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**ADMINISTRATIVE & DIVISIONAL SERVICES STRUCTURE**

**PRINCIPAL** ................................................................. Mr. Steve McWilliams

**SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) DIVISION**

- Mathematics & Computer Science .......... Mr. Christopher Rohde
- Science & Engineering ...................... Ms. Julie Baylor
- Technology/Library .............................. Dr. Ninja Idrizi

**HUMANITIES DIVISION**

Associate Principal for
- Instruction & Assessment ..................... Dr. Ninja Idrizi
- English ........................................ Mr. Mitchell Beck
- Social Studies & Business .................... Mr. John Roncone
- Fine Arts ..................................... Ms. Brigid Tileston
- World Languages ......................... Dr. Kathryn Wolfkiew

**STUDENT WELLNESS DIVISION**

Associate Principal for
- Student Services & Operations .............. Dr. Heath McFaul
- Dean of Students (A-L) .................. Mr. Joe Molloy
- Dean of Students (M-Z) .................. Ms. Jennifer Robinson
- Safety & Security Coordinator .......... Mr. Jim Hawrysko

Health Services
- School Nurse ................................. Ms. Sophie Freuh, RN
- School Nurse ................................. Ms. Kathie McCroary, RN

Director of Special Services ................ Mrs. Sharon Jacobellis
- School Psychologist (A-L) .......... Mr. Sean Higgins
- School Psychologist (M-Z) .......... Ms. Agata Watson

Director of Counseling ...................... Ms. Jill Fearday
- Counselor ................................. Ms. Jill Argall
- Counselor ................................. Ms. Monica Barreiro
- Counselor ................................. Ms. Joan Bell
- Counselor ................................. Ms. Marla Engleman
- Counselor ................................. Ms. Melanie Silvestri
- Counselor ................................. Mr. Tim Martin
- Counselor ................................. Ms. Dana Parenti
- Counselor ................................. Mr. Bryan Tucker
- Counselor ................................. Mrs. Nancy Saldana
- College Counselor ......................... Ms. Jennifer Stroh
- College Counselor ......................... Ms. Kate Moody
- Career Specialist ......................... Ms. Ellen Corcoran

**WELLNESS & LIFE SKILLS DIVISION**

Athletic Director for
- Athletics and Wellness ...................... Mr. Michael Obsuszt
- Athletics ..................................... Mr. Michael Obsuszt

**INTRODUCTION**

The Course Guide is designed to help students plan their course of studies from the variety of offerings at Barrington High School. In planning a Course Guide students should be aware that there are offerings that are designed for specific levels of instruction and/or demand a specific background to perform at an expected level. Each course is described and specific prerequisites are listed so that students will know whether they will qualify to take a given subject.

Students should develop a four-year high school program with the help of parents and counselors. The Course Guide is designed to facilitate this type of planning and to assist students in making appropriate educational decisions.

In addition to the details about the courses that are offered, the Course Guide provides information about graduation requirements, credits, grading systems, ability grouping, career guidance, Advanced Placement and other special programs.

**GRADUATION REQUIREMENTS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (8 semesters)</td>
<td>4 credits</td>
</tr>
<tr>
<td>U.S. History (2 semesters)</td>
<td>1 credit</td>
</tr>
<tr>
<td>Global Studies or AP World History (2 semesters)</td>
<td>1 credit</td>
</tr>
<tr>
<td>Civics</td>
<td>½ credit</td>
</tr>
<tr>
<td>Science (4 semesters)</td>
<td>2 credits</td>
</tr>
<tr>
<td>(Life Sciences - 1 credit; Physical Sciences - 1 credit)</td>
<td></td>
</tr>
<tr>
<td>Mathematics (6 semesters)</td>
<td>3 credits</td>
</tr>
<tr>
<td>Physical Education (6 semesters)</td>
<td>3 credits</td>
</tr>
<tr>
<td>Health (1 semester)</td>
<td>½ credit</td>
</tr>
<tr>
<td>Fine Arts/Applied Arts (2 semesters)</td>
<td>1 credit</td>
</tr>
<tr>
<td>Consumer Education Req.</td>
<td>½ credit</td>
</tr>
<tr>
<td>Driver Education (1 semester)</td>
<td>1/4 credit</td>
</tr>
<tr>
<td>Additional credits</td>
<td>5 credits</td>
</tr>
<tr>
<td>State Testing (if required)</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** .......................................................... 20½ credits

Please refer to the descriptions below for further details.

**NOTE:** Barrington High School can verify only information which is part of a student’s permanent academic record. All graduation requirements must be taken at BHS.

All BHS students are expected to maintain full-time course schedule. (5 classes + P.E.)
NCAA CORE CURRICULUM REQUIREMENTS
For Prospective College Athletes

Any student wishing to play Division I or II sports at a college or university must meet certain core academic requirements. These requirements are regulated by the National Collegiate Athletic Association (NCAA). High school students should contact their counselor early in their high school career regarding requirements for the NCAA Eligibility Center (which evaluates students’ high school transcripts).

For purposes of meeting NCAA’s core curriculum requirement, a “core course” must:

· Be an academic course in one or a combination of these areas: English, math, natural/physical science, social science, foreign language, philosophy, or comparative religion
· Be four year college preparatory
· Be taught at or above BHS’s regular academic level (no remedial courses, those taught at a slower pace, or that cover less content)
· Be completed within four consecutive academic years from the start of 9th grade

NOTE: Not all classes taken to meet BHS graduation requirements are NCAA approved core courses.

· Pass-fail grades may be used to satisfy initial eligibility requirements, but will be given BHS’s lowest passing grade. Please be cautious when you take a class pass-fail as it may not meet NCAA expectations. The eligibility center will calculate the grade point average of your core courses on a 4.0 scale. The best grades from your NCAA core courses will be used. Grades from additional core courses taken will be used only if they improve the grade point average. Sixteen core units are required (1 core unit = 1 full year) for Division I. For those entering a Division I college or university a 2.3 minimum GPA is required.

· 10 core courses must be completed prior to senior year, and 7 of those must be from English, math or science
· 4 years of English
· 3 years of math (Algebra 1 or higher)
· 2 years of natural or physical science (including one year of lab science)
· 1 extra year of English, math, or natural/physical science
· 2 years of social science
· 4 years of extra core courses (from any category above, or world language, comparative religion or philosophy)

Answers to most questions, as well as, more specific details about DI and DII eligibility can be found at the NCAA Eligibility Center website: www.eligibilitycenter.org. Students or parents may also call the NCAA directly at 877-262-1492 (toll free).

CONSUMER EDUCATION
The State requirement for consumer education may be met by taking one of the following courses:

Business Exploration  Business Internship (1 year)
Career Preparation Class  Advanced Business Management
Independent Living  Economics
Marketing for Millenials  Accounting I
Sales - The Global Impact  Financial Accounting Honors
AP Microeconomics  IncubatorEdu
AP Macroeconomics

FINE ARTS OR APPLIED ARTS COURSE REQUIREMENT
The Fine Arts or Applied Arts requirement may be met by completing a full credit in the following list of approved courses:

FINE ARTS COURSES
Actor’s Workshop  Digital Photography
Bella Voce  Ceramics
Chamber Choir  Choralliers Choir
Concert Band  Grace Notes Choir
Dance* Design  Drawing/Painting
Rhythm Machine  Intro to Music Theory
Intermezzo Choir  Jazz Band
Jewelry  Orchestra
Photography  Printmaking
Sr. A Cappella  Symphonic Band
Theatre  Blues and Beyond
Electronic Music Composition  AP Art History
Music Appreciation  Contemporary Sculpture

APPLIED ARTS COURSES
AcceleratorEdu  Accounting
Advanced Business Management  Architectural Interiors
Automotives  Building Construction
Baking and Pastry Arts  Child Development
Culinary Arts  Drafting/CADD
Digital Arts  Fashion Merchandising
Fashion  Foods of the World
Graphic Design  IncubatorEdu
Independent Living  Business Exploration
Intro to Elementary Ed.  Computer Programming
Journalism  AP Computer Science
Marketing for Millenials  Photojournalism
PLTW  Pre-School
Sales - The Global Impact  Studio Television Production
Video Production  Digital Web Design
Woods  Business Internship
Mobile Apps Development  Tech Certifications

*Dance can not be taken for P.E. and Fine Arts simultaneously.
DUAL CREDIT PROGRAM
Selected courses in the curriculum have been designated as “dual” or “articulated credit”. These courses are offered as part of a curriculum collaboration with William Rainey Harper College. Dual credit allows a student to earn both college and high school credit simultaneously. Certain restrictions apply to these courses and interested students should see their counselor for details.

In addition to dual credit opportunities with Harper College, high school students also may earn articulated credit for high school courses from Harper College upon successful completion of specific high school and college course sequences. Information about these programs is available at www.necspartnership.com or through the counseling staff.

PHYSICAL EDUCATION
Physical Education is required for four years. During students' sophomore year they must take Health one semester and Physical Education the other semester. The Board of Education has adopted the following policy in relationship to Senate Bill 730:

Students grades 11 and 12 may be excused from Physical Education for the following reasons:

1. 904539 In-season Athletic Waiver
   a. Any junior/senior athlete on a junior varsity or varsity athletic team roster is excused from their physical education class for the duration of their season. The waiver begins when the head coach of that sport determines his/her team and turns in the list of athletes to the PE Department Chair. All forms are completed by the head coach. There is no student required waiver form. Athletes are expected to return to their PE class at the culmination of their season. If they should quit or be removed prior to the end of the season, immediate return to the PE class is required. Failure to return to PE may result in a grade of F.

2. 904590 Academic PE Waiver
   a. Students must be enrolled in 6 classes during their season to be waived for the semester. An athlete whose season crosses over both semesters and is enrolled in 6 classes per semester will be waived for the year.
   b. This waiver requires an application be picked up in the counseling office. All application deadlines must be met or this privilege will be denied. Applications are due during the course selection process. If an athlete's schedule changes, fall applications will be processed in the first two weeks of the next school year.

3. Interscholastic Band Waiver
   a. Freshman and sophomore students participating in marching band in the FALL semester are waived from 1st semester PE class.

4. Enrollment in academic classes that are required for admission to an institution of higher learning. Verification must be obtained from the university that admission will be denied unless all courses on the students schedule are successfully completed.

5. Enrollment in academic classes that are required for graduation from high school. If students cannot graduate with Physical Education on their schedule, they may also substitute another course for Physical Education.

DRIVER EDUCATION
The Driver Education requirements may be satisfied by (1) the completion of Driver Education at BHS or (2) by completing a course with a state certified commercial driving school. Students must provide the registrar with a letter from the Secretary of State's office when received.

EARLY GRADUATION
Students who wish to graduate early should meet with their counselor to determine eligibility. Once it is determined that the student can meet graduation requirements earlier than the scheduled semester of graduation, the student must complete a request form and submit it for approval. Application forms may be obtained from each student's counselor. APPLICATION FOR MID-YEAR GRADUATION MUST BE SUBMITTED BEFORE THE BEGINNING OF THE FALL SEMESTER.

INDEPENDENT STUDY
Seniors* may apply to take an independent if they have completed at least 2 years of study in a departmental discipline in the area of independent study. The grades earned for all prior work in this area of study must average B or above. Students are limited to one independent study course each semester (.5 credit/semester) and may earn a maximum of 2 credits from independent study that will count toward graduation during their high school experience. All independent studies will be graded on a pass or fail (P/F) basis. Applications must be filled out by the sponsoring teacher and submitted to the respective department head for approval. Interested students are strongly encouraged to pre-register for this option so that they can begin their independent study starting on the first day of a semester.

*In unique circumstances, juniors may apply by petitioning the given department head.

PASS-FAIL
A student may take one elective course each semester on a pass or fail basis. Using this option, the student will receive a P or F on his/her transcript instead of grades from the traditional grading scale A-F. The grade of P is not computed into the G.P.A.; however, a grade of F is included in the G.P.A. The purpose of the pass-fail option is to allow students to have the opportunity to experience a curricular area that is different from the student's primary area of interest without experiencing performance pressure. Courses that are required for graduation may not be taken using the pass-fail option. This includes the first credit a student takes to fulfill the fine and applied arts requirement. Students are discouraged from taking a course on a pass-fail basis if the course is a prerequisite for a subsequent course either in high school or in college. NOTE: Colleges frequently do not look favorably upon courses that are taken on a pass-fail basis.
PROCEDURES
The opportunity to take a course on a pass-fail basis carries with it certain responsibilities for the student and certain expectations for the teacher:

1. The student must apply by the 25th day of school, using the appropriate form which is available in the guidance office.
2. The student is expected to make a positive contribution to class, complete homework assignments, take all quizzes and tests, and complete any other class assignments.
3. The student is expected to work up to his/her potential.
4. In the event the student does not fulfill his/her responsibilities, the teacher can appeal to have the pass-fail option removed and to have the student’s grade determined using the traditional grading scale (A-F). The student’s counselor and the Pass-Fail Review Committee will hear the appeals.

OPEN TRANSCRIPT POLICY
GRADE REPLACEMENT
Students may replace the grade they receive in a course by repeating the course. The course must 1) be completed within 15 months (summer/school year/summer) of the completion of the course they are repeating and 2) be taken prior to or concurrently with the next course in the sequence within the same discipline. When a student retakes a course, only the higher grade will be counted for course credit and GPA purposes. All courses will remain on the transcript. The higher grade will be reflected in the term that the grade was earned. The course in which the lower grade was earned will remain on the transcript with an “R” (repeat).

Students repeating a previously passed course for a higher grade may pre-register for the course, but final registration in mid-August will be made on a space available basis. Students choosing this option should notify their counselor.

EXTERNAL CREDITS
Barrington students may apply for up to four credits, two of which may be correspondence credits, of external study toward the completion of their graduation requirements. These credits may come from 1) an accredited correspondence school, 2) summer school at another high school, 3) study in a foreign country, or 4) other accredited institutions including internet based courses.

Students must obtain PRIOR written approval to receive external credit(s). Students should see their counselor for an External Credit Form.

CORRESPONDENCE SCHOOL
A maximum of two correspondence credits may be taken to meet graduation requirements. This option is limited to students who are enrolled in seven classes at Barrington High School during both semesters of the academic year or are in danger of not graduating. Generally, only elective courses may be taken through correspondence. Courses required for graduation must be attempted on campus before credit from correspondence courses will fulfill those requirements.

Grades earned by students enrolled in correspondence courses will not be included in the grade point average.

If a student is enrolled in a correspondence course, it is the student’s responsibility to have all transcripts and course work completed before the end of the academic year. Transcripts are submitted to the Barrington High School Registrar. Final transcripts for seniors are due by May 1st if the course is going to meet graduation requirements.

SPECIAL CIRCUMSTANCES
An unforeseen situation may arise that requires the consideration of allowing students to obtain external credit.

Guidelines for granting credit or waivers for students taking courses at institutions other than BHS:

1. If a student takes a course from a credit granting institution that provides an official transcript*, course credit will be granted that affects grade-point average (except correspondence courses). If the course is a prerequisite for an Advanced Placement course the student will be required to take a placement test before enrolling in an Advanced Placement course.
2. If a student takes a course from an institution that does not provide an official transcript but demonstrates proficiency in a particular subject, appropriate placement will be determined by the guidance counselor in consultation with the department chair. However no credit will be granted.
3. If a student successfully completes a course(s) from an institution that does not provide an official transcript, the student may include the evaluation of those learning experiences with the official BHS transcript.

If placement or credit for a learning experience is desired, prior approval must be obtained from the Department Chair.

*An official transcript means that the credit earned at that institution is transferrable to other institutions.

HOME SCHOOL CREDIT
Students who transfer to Barrington High School, who were previously home schooled, may transfer the results of that home school experience to Barrington High School. These students will receive credit for that work on their transcripts only on a pass/fail basis.

SUMMER SCHOOL
Summer courses may be taken during any of a student’s years of attendance in high school. (If they attend summer school at Barrington High School, students do not need to complete an external credit form.)

Barrington High School offers a summer session that provides students with opportunities for educational enrichment and opportunities to make up course deficiencies.

The summer program consists of two 3-week sessions starting on a designated date in early June. Summer school registration begins in January and course offerings will differ from summer to summer, depending upon the total registration request.
Summer school credit obtained at a high school other than Barrington High School is considered external credit. Students must complete an External Credit Form prior to enrolling in any course outside of Barrington High School.

Students attending summer school in another district must ask that school to forward a transcript to the Barrington High School Registrar.

**COURSE ADDS, CHANGES, & DROPS**

Students are encouraged to work closely with their counselor during the pre-registration process to select their courses for the following school year. However, it is recognized that unique situations and circumstances arise creating needs for changes in scheduling.

A. COURSE CHANGES AND ADDS

1. Students may add or change a course the week before the first day of school during registration, providing that space for additional students in that course is available.

B. COURSE DROPS

1. Students may drop courses for which they are registered within the first 25 days of the course providing they maintain the required program of six courses.
2. Students who drop a class within the first 10 days, providing the required program of six classes is maintained, shall have nothing recorded on their transcripts. If a student drops a course and as a result drops below the required load of six classes, the grade for that class will be recorded as a WF. Students who drop below 6 classes will be placed in a structured study.
3. Students who drop a course from the 11th through the 25th day of a semester will receive a WP and no credit will be granted.
4. Any course dropped after the 25th day of the semester will be recorded as a WF and calculated in the GPA.

**COURSE CLASSIFICATION**

A numerical scale is used to assist students in the selection of courses. The scale is graduated from 1 through 5 and corresponds to the weighting of classes for the purposes of ability grouping and the computation of cumulative G.P.A.

**Description of academic levels:**

5 - Subjects offered at the 5 level are college level courses and require the approval of the department head.
4 - Subjects offered at the 4 level are advanced courses for able students. Subjects are studied in depth and at a fast pace.
3 - Courses offered at the 3 level are designed for students who can be expected to do good work in subjects moderately paced and of moderate difficulty.
2 - Courses offered at the 2 level are designed for students who can work best at a slower pace and who need particular help in the development of specific skills.
1 - Courses offered at the 1 level are for students who learn best with individual assistance in small groups.
0 or 0 - Subjects that are designated as 0 or 0 are not computed in the student’s GPA (e.g., work study program, physical education, office assistant, math tutorial, etc.).

**GRADE POINT AVERAGES**

Barrington High School weights the value of grades achieved in courses of different levels. These weighted values, however, do not appear on the high school transcript but are designated by the following codes: Advanced Placement (AP) / Accelerated Curriculum (AC), Honors (H), and Average (A). Weighted averages reflect the nature and difficulty of the work required in courses. A weighted system challenges a student to seek levels commensurate with his/her ability.

<table>
<thead>
<tr>
<th></th>
<th>5 (AC)/(AP)</th>
<th>4 (H)</th>
<th>3 (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>5</td>
<td>4.5</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>4</td>
<td>3.5</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>3</td>
<td>2.5</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>P</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Grade point averages are determined by adding the weighted grades and then dividing that sum by the attempted number of semester credits. There are some courses that are not computed into the GPA and are designated as 9’s.

In addition to the weighted GPA, all students will receive an unweighted GPA, in which the following scale is used for all course levels:

- A - 4
- B - 3
- C - 2
- D - 1
- F - 0

Students will receive weighted and unweighted GPA’s on their report cards. Both the cumulative weighted and unweighted GPA’s will be reported when students apply to colleges. By reporting both GPA’s, colleges can choose the GPA that is most advantageous for the student.

BHS does not report individual rank in class. Colleges receive information regarding weighted and unweighted GPA distributions via our school profile. The following data points are listed: highest GPA, lowest GPA and the following percentiles, 95th, 90th, 75th and 50th.

**COMMUNITY SERVICE**

- Students are not required to complete community service in order to graduate. Students who complete community service are able to earn credit on their high school transcript. Students can earn .25 credit hours for each 30 hours of community service earned, with a maximum of 1 credit hour (120 hours = 1 credit)
- To volunteer, check the list of Student Volunteer Opportunities for eligible volunteer opportunities. If you would like to volunteer at an organization that is not posted, please email Mrs. Horcher at lhorcher@barrington220.org, complete a Pre-Approval form, or see me in the GRC, prior to volunteering. To avoid dis appointment, do not assume that any event where you work without pay is eligible for credit. As volunteer hours accrue on your transcript, there are guidelines as to what activities are eligible.
• Sign up for volunteering directly with the organization with information that is posted on the Student Volunteer Opportunities site
• In order to document your volunteer hours you must complete a Volunteer Time Report, have it signed by the adult sponsor, and turn the completed form in to Mrs. Horcher in the CRC (Counseling Resource Center). It is YOUR responsibility to make sure your hours are turned in. Volunteer hours must be turned in each semester. Summer/First Semester hours are due mid-January. Second semester hours are due the second Thursday in July. Please turn in hours as soon as possible upon completion. Hours turned in after the deadline will be accepted, however may jeopardize your participation in the Harper Promise Scholarship or National Honor Society.
• Mrs. Horcher will enter all your volunteer information in your Infinite Campus account. You can view your Community Service Report and your Harper Promise Report in your Infinite Campus account by following these directions:
  • Sign in to your Infinite Campus Account
  • Scroll all the way to the bottom on the left hand side to Portal Reports
  • Click on Portal reports and then select student name
  • Select Community Service Report or Harper Promise Report
  • Generate report

Student Volunteer Program F.A.Q.

COLLEGE ENTRANCE TESTS

College entrance tests are given by two testing agencies. The College Board administers the PSAT/NMSQT (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test), SAT Reasoning, SAT Subject Tests and Advanced Placement (AP) Tests. ACT Incorporated administers the ACT. Detailed information concerning these tests is provided to students as part of the college planning program during junior year.

ADDITIONAL CONSIDERATIONS

In order to take full advantage of the opportunities available throughout their years in high school, students are encouraged to become involved in the co-curricular activities offered by school and community. Many colleges see the depth of commitment to these kinds of experiences as an important factor in making an admission decision.

Other factors involved in the admission process are the rigor of the courses taken, grade point average, special talents (e.g. art, music, debate, theater, athletics), and performance on college entrance tests. In some instances, colleges give additional consideration to legacies, personal recommendations, and the reputation of the high school.

ADVANCED PLACEMENT (AP) PROGRAM

Barrington High School offers the Advanced Placement Program (AP) for highly qualified students. These programs exist in all the major academic disciplines:

- AP Art History
- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Chinese Lang & Culture
- AP Comparative Government & Politics
- AP Computer Science A
- AP Computer Science Principles
- AP English Lang & Comp
- AP English Lit & Comp
- AP Environmental Science
- AP European History
- AP French Language & Culture
- AP German Language & Culture
- AP Human Geography
- AP Latin
- AP Language & Comp
- AP Macroeconomics
- AP Microeconomics
- AP Music Theory
- AP Music Theory

The AP program provides students with opportunities to pursue college level studies while still in high school. Students have the chance to earn college credit and/or advanced placement depending on the results of examinations for advanced standing administered by the College Entrance Examination Board. Advanced Placement tests are offered at Barrington High School each May for the above subjects.

Programs at the freshmen and sophomore level which prepare for AP courses are defined as accelerated or honors classes and are available in all of the academic departments. These accelerated or honors courses lead into the AP program courses. Students that intend to take an AP course must plan in advance to make sure to take the necessary sequence of courses for the appropriate Advanced Placement examination.

IHSA ELIGIBILITY

The Illinois High School Athletic Association (IHSA) has rules and regulations regarding eligibility. Students who participate in athletics and other IHSA activities in high school must meet the eligibility requirements.

NON-DISCRIMINATION STATEMENT

Educational opportunities are available to students regardless of race, color, national origin, gender, or disability. The Asst. Superintendent has been appointed the District Grievance Officer. Mary Dudek has been designated as Title IX Coordinator. Both may be reached at 310 E. James St., Barrington, IL 60010; telephone 847/381-6300.

Persons who discern discrimination are to refer grievances in writing to the building principal of the school in which the alleged discrimination took place. If the person is not in accord with the findings or the remedy provided by the building principal, the written grievance and the response of the building principal shall be reviewed by the District Grievance Officer.
## COLLEGE ADMISSION REQUIREMENTS

The following general guidelines may be helpful to you in your academic planning. Students should check college websites for specific requirements.

### District 220 Graduation Requirements in Academic Areas

<table>
<thead>
<tr>
<th></th>
<th>State Universities In Illinois</th>
<th>Out-of-State Universities, Private Universities and Colleges</th>
<th>Highly Selective Colleges &amp; Universities</th>
<th>Community Colleges &amp; Vocational Schools</th>
<th>District 220</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGLISH</strong></td>
<td>4 years emphasis on written and oral communication and literature</td>
<td>4 years</td>
<td>4 years</td>
<td>4 years</td>
<td>4 years</td>
</tr>
<tr>
<td><strong>MATH</strong></td>
<td>3 years</td>
<td>2-4 years</td>
<td>4 years recommended through Calculus</td>
<td>2-3 years</td>
<td>3 Years</td>
</tr>
<tr>
<td></td>
<td>Algebra I</td>
<td>Algebra I</td>
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<td>Geometry</td>
<td>Geometry</td>
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<td></td>
<td>Algebra II</td>
<td>Algebra II</td>
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<td></td>
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<tr>
<td></td>
<td>(Trigonometry some programs)</td>
<td>Trigonometry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SCIENCE</strong></td>
<td>3 years recommended areas:</td>
<td>2-4 years</td>
<td>4 years recommended through Calculus</td>
<td>2-3 years</td>
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<td><strong>SOCIAL SCIENCE</strong></td>
<td>3 years emphasis on history and government</td>
<td>2-4 years</td>
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<td>2-3 years</td>
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<td>(college prep)</td>
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<td>including Global Studies or AP World History and U.S. History Civics</td>
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<tr>
<td><strong>FINE ARTS</strong></td>
<td>1 year at some schools</td>
<td>1 year</td>
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<td>1 year</td>
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</table>

* University of Illinois requires two years of world language.
* All state universities in Illinois will require two years of world language, art, music, or technology.
CAREER PATHWAYS

PARTNERSHIPS
Secondary and postsecondary education partnerships bring together business and industry employers, labor organizations, community-based organizations, faith-based organizations, parent groups, and others to educate students and address the state’s workforce and economic development. These groups focus on the following:

- Secondary and postsecondary alignment
- Seamless transition
- Reduced remediation
- Non-duplicated courses
- Integrated academic and career-technical education (CTE) curricula
- Dual-credit opportunities
- Standards-based curricula aligned with industry credentials and/or certification
- Career development
- Professional development
- Articulation agreements
- Data-sharing agreements
- Partnerships and collaboration
- Accountability
- Continuous improvement

Critical to this approach is the fact that education and employer partners need to develop and implement pathway curricula that lead to employment, including pathways in existing and emerging STEM.

STEM EDUCATION

STEM EMPLOYMENT
According to NSF.gov, The U.S. Bureau of Labor Statistics projects that, during the period 2010–2020, employment in Science and Engineering occupations will grow by 18.7%, compared to 14.3% for all occupations.

- Approximately 59% of the projected increase is in computer/mathematical scientist occupations. These occupations also have the largest growth rate (23.1%). Biological/agricultural/environmental life scientists and social scientists/psychologists (who account for a much smaller proportion of STEM workers) have the next highest projected growth rates: 20.4% and 18.5%, respectively.
- The projected growth rates for engineers is (10.6%) and physical scientists is(12.7%)
- Health care practitioners and technicians, is projected to grow by 25.9%.

According to the US Department of Commerce’s Economics and Statistics Administration, during the past decade, STEM (Science, Technology, Engineering and Math) jobs grew three times more than non-STEM jobs and STEM workers, on average, earn 26 percent higher wages than their non-STEM counterparts.

A call for STEM education resonates as advances in technology continue to evolve. Focusing on STEM competencies and skill sets is deemed a major strategy for Illinois as well as the United States to support global competitiveness and reach the goal of increasing the proportion of Illinoisans with high-quality degrees and credentials from 44% to 60% by the year 2025 (Illinois Pathways Initiative, 2013).

STEM EDUCATION
STEM education refers to Science, Technology, Engineering and Mathematics education that is offered independently or in an integrated fashion. Typically, STEM applies to instruction across all educational levels—elementary, middle school, high school, adult and postsecondary education—and it is foundational to many college majors and career opportunities. STEM education can be provided through a variety ofinstructional formats, including classrooms and laboratories within schools and colleges, but also through out-of-classroom and work-based learning (WBL) activities.

The Common Core State Standards (CCSS) and the related content and pedagogy supporting STEM programs of study have major implications for student success (Common Core Standards Initiative, 2012). Integrated, project-based and contextualized learning (sometimes seen as a definitional part of STEM education) includes integration of subject matter and a collaborative environment to achieve a solution or multiple solutions to a problem or challenge. Networking with professionals through WBL opportunities and/or mentoring can offer students a fresh and exciting perspective on a career field or occupation.

WHY A CAREER CLUSTERS FRAMEWORK?
The framework of career pathways, career clusters, and programs of study organizes educational preparation and occupational choices into a unified concept. Career clusters provide a focus and path for students to pursue learning experiences that begin in P-12 education and extend through college to careers.

CAREER CLUSTERS
- Are for all students
- Create distinct educational plans of study that students can follow from secondary to postsecondary education to the workplace
- Help create smooth transitions in the educational pipeline and reduce duplication
- Empower students through information and experiences they need to make informed educational choices
- Help counselors, teachers, parents, and students design individual plans of study
- Comprise a key element in enhancing economic development by connecting schools with business and industry
WHO BENEFITS?

- Students benefit when there are links between education and careers. Career pathways provide career guidance and a framework for students to plan their future. Students are more motivated when they can see the relevance of their education and are provided with smooth transitions to college and careers.
- Educators (teachers, counselors, and administrators) benefit when they integrate academic and CTE curricula, partake in professional development, align with other school reform efforts, and receive support. Programs of study also connect educators with local business and industry to ensure that what students learn connects to current and emerging careers.
- Employers benefit when they have the opportunity to partner with educators to prepare future employees by determining necessary skills, certifications, and current knowledge to succeed in the workforce.
- Communities benefit when business and industry partners with education for local economic development and educational planning. Higher levels of educational attainment contribute to a healthier local economy.

THE NATIONAL CAREER CLUSTER INITIATIVE

CAREER CLUSTERS, CAREER PATHWAYS, AND PROGRAMS OF STUDY

The Illinois Community College Board (n.d.) provides the following key concepts and definitions:

Career Clusters are groups of occupations and industries that have in common a set of foundational knowledge and skills. There are 16 nationally recognized clusters within which are multiple career pathways.

Cluster Level Knowledge and Skills: The cluster level knowledge and skills set is built on a common core required for career success in the multiple occupations included in the cluster. This shared core consists of the following elements: academic foundations; communication; problem solving and critical thinking; information technology applications; systems; safety, health, and environment, leadership and teamwork, ethics and legal responsibilities; employability and career development, and technical skills.

Career Pathways are multi-year programs of academic and technical study that prepare high school students for a full range of postsecondary options within each of the 16 clusters. Currently, there are 79 nationally recognized pathways, each with specific pathway level knowledge and skills. These pathways provide a context for exploring career options at all levels of education and a framework for linking learning to the knowledge and skills needed for future education and employment.

Pathway Level Knowledge and Skills: The pathway level knowledge and skills set is built on a common core of knowledge and skills required for career success in all programs of study aligned with the pathway. This core is specific to the pathway and consists of elements selected by secondary and postsecondary educators with input from business and industry and other stakeholders.

Programs of Study (POS) are sequences of courses that incorporate a non-duplicative progression of secondary and postsecondary elements, which include both academic and career and technical education content. Programs of study should start no later than the ninth grade and continue through at least two years of postsecondary education. Programs of study include opportunities to earn college credit (dual credit) in high school, an industry-recognized credential or certificate at the secondary/postsecondary level, and an associate or baccalaureate degree.

AGRICULTURE, FOOD, & NATURAL RESOURCES

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

- Agribusiness Systems
- Animal Systems
- Environmental Service Systems
- Food Products & Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural & Technical Systems

ARCHITECTURE & CONSTRUCTION ARTS

Careers in designing, planning, managing, building and maintaining the built environment.

- Construction
- Design/Pre-Construction
- Maintenance/Operations

A/V TECHNOLOGY & COMMUNICATIONS

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

- A/V Technology & Film
- Journalism & Broadcasting
- Performing Arts
- Printing Technology
- Telecommunications
- Visual Arts

BUSINESS MANAGEMENT & ADMINISTRATION

Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

- Administrative Support
- Business Information Management
- General Management
- Human Resources Management
- Operations Management

EDUCATION & TRAINING

Planning, managing and providing education and training services, and related learning support services.

- Administration & Administrative Support
- Professional Support Services
- Teaching/Training
FINANCE
Planning, services for financial and investment planning, banking, insurance, and business financial management.
- Accounting
- Banking Services
- Business Finance
- Insurance
- Securities & Investments

GOVERNMENT & PUBLIC ADMINISTRATION
Planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.
- Foreign Service
- Governance
- National Security
- Planning
- Public Management & Administration
- Regulation
- Revenue & Taxation

HEALTH SCIENCE
Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
- Biotechnology Research & Development
- Diagnostic Services
- Health Informatics
- Support Services
- Therapeutic Services

HOSPITALITY & TOURISM
The management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.
- Lodging
- Recreation, Amusements & Attractions
- Restaurants & Food/Beverage Services
- Travel & Tourism

HUMAN SERVICES
Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.
- Consumer Services
- Counseling & Mental Health Services
- Early Childhood Development & Services
- Family & Community Services
- Personal Care Services

INFORMATION TECHNOLOGY
Building linkages in IT occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.
- Information Support & Services
- Network Systems
- Programming & Software
- Development Web & Digital
- Communications

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY
Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.
- Correction Services
- Emergency & Fire Management
- Services Law Enforcement Services
- Legal Services
- Security & Protective Services

MANUFACTURING
Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.
- Health, Safety & Environmental Assurance
- Logistics & Inventory Control
- Maintenance, Installation & Repair
- Manufacturing Production Process Dev.
- Production
- Quality Assurance

MARKETING
Planning, managing and performing marketing activities to reach organizational objectives.
- Marketing Communications
- Marketing Management
- Marketing Research
- Merchandising
- Professional Sales

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS
Planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.
- Engineering & Technology
- Science & Mathematics

TRANSPORTATION, DISTRIBUTION & LOGISTICS
Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.
- Facility & Mobile Equipment Maintenance
- Health, Safety & Environmental
- Management
- Logistics Planning & Management Services
- Sales & Service
- Transportation Operations
- Transportation Systems/Infrastructure
- Planning, Management & Regulation
- Warehousing & Distribution Center
- Operations
ILLINOIS' CAREER CLUSTERS, PATHWAYS, AND PROGRAMS OF STUDY GUIDE

1. Law, Public Safety, Corrections & Security
   - Correction Services
   - Emergency & Fire Management Services
   - Security & Protective Services
   - Law Enforcement Services
   - Legal Services

2. Transportation, Distribution & Logistics
   - Transportation Operations
   - Logistics Planning & Management Services
   - Warehousing & Distribution Center Operations
   - Facility & Mobile Equipment Maintenance
   - Transportation Systems/Infrastructure

3. Information Technology
   - Network Systems
   - Information Support & Services
   - Web & Digital Communications
   - Programming & Software Development

4. Marketing
   - Marketing
   - Management
   - Professional Sales
   - Merchandising
   - Marketing
   - Communications
   - Marketing Research

5. Business Management & Administration
   - General Management
   - Business Information Management
   - Human Resources Management
   - Operations Management
   - Administrative Support

   - Engineering & Technology
   - Science & Math

7. Agriculture, Food & Natural Resources
   - Food Products & Processing Systems
   - Plant Systems
   - Animal Systems
   - Power, Structural & Technical Systems
   - Natural Resources Systems
   - Environmental Service Systems
   - Agribusiness Systems

8. Health Science
   - Diagnostic Services
   - Support Services
   - Health Informatics
   - Therapeutic Services
   - Biotechnology Research & Development

9. Education & Training
   - Administration & Administrative Support
   - Professional Support Services
   - Teaching/Training

10. Hospitality & Tourism
    - Restaurants & Food/Beverage Services
    - Lodging
    - Travel & Tourism
    - Recreation, Amusements & Attractions

11. Manufacturing
    - Production
    - Manufacturing Production Process Development
    - Maintenance, Installation & Repair
    - Quality Assurance
    - Logistics & Inventory Control
    - Health, Safety & Environmental Assurance

12. Architecture & Construction
    - Design/Pre-Construction
    - Construction
    - Maintenance/Operations

13. Arts, Audio/Video Technology & Communications
    - Audio and Video Technology & Film
    - Printing Technology
    - Journalism & Broadcasting
    - Telecommunications
    - Performing Arts
    - Visual Arts

14. Human Services
    - Early Childhood Development & Services
    - Counseling & Mental Health Services
    - Family & Community Services
    - Personal Care Services
    - Consumer Services

June 8, 2009
http://www.careerclusters.org

Career Cluster Framework
1. Essential Knowledge and Skills
2. CTE Areas: Secondary (5)
3. Career Clusters (16)
4. Career Pathways (79)
CAREER CLUSTER EXAMPLE

This example of the Illinois Career Cluster Model shows the relationship between one of Illinois’ five secondary CTE areas (Health Sciences Technology), the related career cluster (Health Science), the five pathways within that cluster, and sample programs of study within each pathway. It also illustrates the essential knowledge and skills that are shared by all clusters; the cluster level knowledge and skills shared by all occupations within the pathways in the cluster; the pathway level knowledge and skills specific to each of the five pathways; and the programs of study, which represent courses that are taken at multiple education levels and lead to employment in related pathway occupations. Career exploration and development are infused at all levels of the model. The model also shows an entry point for adults by including bridge programs that infuse cluster level knowledge and skills with adult education and remedial education course content.
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<th>Credit</th>
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### PROGRAM FOR ENGLISH LANGUAGE LEARNERS

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## PROGRAM FOR ENGLISH LANGUAGE LEARNERS

### PAGE 64-65
Applied Arts Courses

General Information

Business
CADD (Computer Aided Drafting & Design)
Project Lead the Way
Digital Communications
Computer Science
Family & Consumer Science
Business Studies
Woods

Applied Arts courses offer students the opportunity to explore interests and develop skills that enable them to participate in future-ready learning with authentic professional experiences.

1. The students will understand that creative thinking generates innovative processes and products.
2. The students will understand that communication and collaboration are essential to support individual learning and the learning of others.
3. Students will understand the value of researching information.
4. Students will understand the processes of critical thinking, problem solving, and decision making.
5. Students will understand the importance of active citizenship in the family, community and workplace.
6. Students will understand the importance of workplace readiness and career development.
7. Students will understand how to manage resources.

*Course fees are subject to change for the 2019-20 school year.

College Credit Details for Courses at BHS

Possible Harper College Credit

After students finish high school, college credit is waiting for them at Harper College if they meet and do the following:
1) complete this course with a grade of A or B,
2) enroll and successfully complete a specific second level course at Harper College within two years of graduation.

Transcribed College Credit

This dual credit course will generate a Harper or CLC (see course description) transcript that will be transferable to many public Illinois colleges and universities.

Credit by Exam

Proficiency credit issued by Harper. A fee will apply to receive Harper Transcript credit. Harper transcript will reflect P/F grade.

Business Courses

Business Exploration (301103) ........................................... 1/2 Credit
Open to freshmen and sophomores
Prerequisite: none
Course classification: 3

Business Exploration is an introductory business course that promotes and understanding of the business concepts, entrepreneurship, and the consumer’s role in a global economy. The course will focus on the concepts, functions and skills needed to operate a business in today’s economy as well as the basic functional areas of business-finance, management, marketing, administration and production. Current events, simulations, and class discussion will be used to present business terminology as well as financial and economic topics that will affect students and the community now and in the future. Emphasis will be placed on the computer while also promoting workplace and communication skills such as thinking, listening, writing, and speaking. The successful completion of this course will fulfill the Consumer Education graduation requirement.

Marketing for Millennials (302103) ............................. 1/2 Credit
Open to sophomores, juniors and seniors
Prerequisite: none
Course classification: 3

Marketing for Millennials focuses on how business in the 21st Century uses the internet, social media, and traditional marketing techniques to reach the information-age generation. This course will teach marketing principles and give students understanding of the flow of goods and services from the producer to the consumer. Simulations of today’s workplace will be featured with several “hands-on” projects involving the significance of networking, teamwork, and cooperative learning. Students will learn about college and career opportunities and how to become an informed and smart consumer with knowledge of markets, market identification, and product planning. Successful completion of the Consumer Education module will fulfill the Consumer Education graduation requirement.

Sales - The Global Impact (302203) .............................. 1/2 Credit
Open to sophomores, juniors and seniors
Prerequisite: none
Course classification: 3

The global job market of the 21st Century will be the focus. This course will equip students to effectively communicate and sell their ideas, products, and services to others in an information age. Students will understand and demonstrate the steps of the sales process and effective sales techniques. The featured textbook is Daniel Pink’s “To Sell is Human, The Surprising Truth About Moving Others.” The course will help students understand that successful sales techniques influence and “move” others to take action. Successful completion of the Consumer Education module will fulfill the Consumer Education graduation requirement.
ACCOUNTING I (302303) ........................................................................... ½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course Classification: 3
This course is designed to give the student a basic understanding of the fundamentals of accounting activities including the interpretation and analysis of records, statements, etc. It illustrates how systematic records form the basis for decisions that businessmen, industrialists, and government are confronted with every day in business. The college-bound business administration major is encouraged to take advantage of this course and consider advanced accounting offered during their junior and senior year. A supplementary unit on income tax for individuals and business is provided by the federal government for additional study. The students also have the opportunity during the course to complete two practice sets which represent the entire set of financial records for two companies. Many of the principles learned can apply toward establishing an efficient system for personal use. Successful completion of this course will fulfill the Consumer Education graduation requirement.

◆ FINANCIAL ACCOUNTING H (303104)............................................. 1 Credit
Open to juniors and seniors
Course Classification: 4
This course presents accounting as an information system that produces summary financial statements primarily for users external to a business. There is an emphasis on the reporting of the effect of transactions and other economic events on the financial condition and operating results of a business. Topics include: basic accounting concepts, financial statements, accrual and cash basis, the accounting cycle, monetary assets, inventories, fixed assets, current and long-term liabilities and owner’s equity. The course assumes a corporate form of organization. Successful completion of this course will fulfill the Consumer Education graduation requirement.

Second Semester
This advanced course presents accounting as a system of producing information for internal management use in a business. There is an emphasis on the identification, accumulation and interpretation of information for planning, controlling and evaluating the performance of the separate components of a business. Topics include: theory and application of product costing, operational control, cost allocation, performance evaluation for manufacturing and service organizations, standard costing, job order and process costing, budgeting, JIT inventory control, decentralized operations, differential analysis, capital investment analysis and financial statement analysis. Semester exams will be taken at Harper College. Successful completion of this course will fulfill the Consumer Education graduation requirement.

◆ ADVANCED BUSINESS MANAGEMENT H (304104)............................... 1 Credit
Open to juniors and seniors
Course Classification: 4
This course is recommended for college-bound students interested in continuing studies in the business field. This course introduces the nature of business and the environment in which it operates. Forms of business ownership, introduction to operative and facilitating facets of business operation, management, marketing, accounting, statistics, business law, finance, investments, insurance and labor-management relations will be studied. Successful completion of this course will fulfill the Consumer Education graduation requirement.
HEALTHCARE COURSES

✓ INTRO TO HEALTHCARE (315104) ........................................ ½ Credit
Open to juniors and seniors
Prerequisite: none
Course classification: 4
Familiarizes student to the health care delivery system including an introduction to the organization, structure, function and issues related to the health care environment. Emphasis placed on the importance of effective communication skills for health care professionals, team building, professionalism and diversity in the health care center. Upon successful completion of this course, students will receive 2 hours of Harper HSC 105 transcripted credit.

✓ MEDICAL TERMINOLOGY (315204) ........................................ ½ Credit
Open to juniors and seniors
Prerequisite: none
Course classification: 4
Emphasizes the origin and the basic structure of medical words, including prefixes, suffixes, word roots, combining forms and plurals. Offers pronunciation, spelling, and definition of medical terms based on the body systems approach. Emphasis on rendering a professional vocabulary required for work in the healthcare field. Upon successful completion of this course, students will receive 2 hours of Harper HSC 112 transcripted credit.

✓ CERTIFIED NURSING ASSISTANT (315404) .......................... 1½ Credits
(½ credit 1st semester, 1 credit 2nd semester)
Open to seniors
Prerequisite: Intro to Healthcare
Course classification: 4
Provides theory and training in the basic skills essential to the practice of health care workers who will assist the nurse in the care of patients in a variety of health care settings. Includes simulated practice and opportunity for clinical application. This course requires clinical hours that will take place on Saturdays or in the evenings. Clinical observations include direct contact with male and female patients under the supervision of hospital personnel including but not limited to bathing, grooming, dressing, feeding, wound care, and incontinence care. Successful completion of 120 hours of class time and laboratory skills is mandated by the state and is required for application for the Nurse Aide Competency Exam. This course is approved by the Illinois Department of Public Health, Office of Health Regulations. A fee is required for healthcare equipment which the student will keep after the course is completed.

NOTE: Students are required to have a valid Social Security number, pass a criminal background check and complete required medical tests, and meet Harper requirements for entry. Upon successful completion of this course, students will receive 6 hours of Harper CNA 101 transcripted credit.

PROJECT LEAD THE WAY: “PATHWAY TO ENGINEERING”

Introduction: Project Lead The Way’s (PLTW) premier high school program, “Pathway to Engineering” is a dynamic four-year course of study that can be integrated into the students’ core curriculum high school program while providing students with real-world learning and hands-on experience. The combination of traditional math and science courses with innovative Pathway to Engineering courses prepares students for college majors in engineering and technology fields. This program is highly recommended for students interested in engineering and technology related career paths.

PLTW COURSE CHART

Possible Harper College Credit
Transcripted College Credit
Credit by Exam
See page 21 for more details
PLTW - DIGITAL ELECTRONICS (316125) ...........................1 Credit
Blended option available
Open to sophomores, juniors and seniors
Prerequisite: PLTW - Introduction to Engineering
Course Classification: 5
This course is based on the principles and laws of traditional electronics and electrical theory. Digital Electronics and embedded micro-computers (a direct application of Digital) are in every product that is either plugged into a wall or operated by batteries, and is therefore a technology that all people are exposed to in their daily lives. Students will begin with a study of basic electrical theory then move on to learn the basic principles and theories of digital circuits. Students will receive both high school and Harper college credit for this course upon successful completion of this class. Instructional Themes: Foundation of Digital Electronics, Combinational Logic, Sequential Logic, and Microcontrollers. Upon successful completion of this course, students will have the opportunity to receive 3 hours of Harper transcripted credit for ELT203.

PLTW - CIVIL ENGINEERING AND ARCHITECTURE (316135) .............1 Credit
Blended option available
Open to juniors and seniors
Prerequisite: PLTW– Introduction to Engineering Design, PLTW - Principles of Engineering Design
Course Classification: 5
This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. Students apply what they learn about various aspects of civil engineering and architecture to the design and development of a property. Working in teams, students explore hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

PLTW - ENGINEERING DESIGN & DEVELOPMENT (316145)..........1 Credit
Blended option available
Open to juniors and seniors with Dept. Head approval
Prerequisite: PLTW-Introduction to Engineering Design, PLTW - Principles of Engineering Design and either PLTW-Digital Electronics or PLTW-Civil Engineering and Architecture
Course Classification: 5
This is the final course in the Project Lead the Way sequence for engineering. This course is the Senior Capstone course requiring the application of the knowledge and skills acquired throughout the PLTW Engineering program. Students in EDD work as a team to identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of professionals using a systematic and logical design process. These problems can include a wide range of fields from architecture to CNC manufacturing. Students apply the professional skills they have developed to document and present their project against high standards. This course allows students to explore what the actual workplace is like and how they can contribute to finding solutions and making a difference within the community.

CADD - COMPUTER AIDED DRAFTING & DESIGN

DRAFTING/CADD I (317013) .........................................................½ credit
DRAFTING/CADD II (317023) .........................................................½ Credit
DRAFTING/CADD III (317033) .........................................................½ Credit
DRAFTING/CADD IV (317043) .........................................................½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
CADD courses provide students the fundamental skills necessary to produce and interpret basic blueprints and mechanical and technical drawings for industry and design. Students will explore the technical designs and design process for various career fields to include engineering, manufacturing and architectural design. Students will develop problem-solving and analytical thinking skills. In CADD I & II, most work will be accomplished using Autodesk AutoCAD software through the introduction of two and three-dimensional problems. Some manual sketching skills will be also introduced during the drawing process. In the advanced courses, CADD III & IV, students will focus primarily on 3D concept modeling using Autodesk Inventor software to solve engineering and manufacturing problems. Students will have an opportunity to design and manufacture parts on the 3D printer, develop complex assembly drawings, and create working animations. Students will engage in capstone projects to demonstrate and apply their design skills learned throughout these sequential courses for engineering and design-related careers.

ARCHITECTURAL DRAFTING I (317113) .........................½ Credit
ARCHITECTURAL DRAFTING II (317213) .......................½ Credit
ARCHITECTURAL DRAFTING III (317313) .......................½ Credit
ARCHITECTURAL DRAFTING IV (317413) .......................½ Credit
Open to sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3
Architectural Drafting provides the fundamentals in the principles of architectural drafting using computer aided design and drafting (CADD). These courses build on material learned in CADD I & II or Architectural Interiors. Topics include fundamentals of residential design and construction, foundations & floor plan design, roof design, proper architectural dimensioning techniques, blueprint reading, and the preparation of presentation drawings including floor plans, elevations, and walk-throughs. Students will have completed sets of architectural working drawings for a residential and commercial structure using AutoCAD, AutoCAD Architecture, Revit Architecture, and 3DS Max software. Students interested in architectural related careers are encouraged to enroll in this sequential Architectural Drafting course.

POSSIBLE HARPER COLLEGE CREDIT
TRANSCRIPTED COLLEGE CREDIT
CREDIT BY EXAM
SEE PAGE 21 FOR MORE DETAILS
ARCHITECTURAL INTERIORS (317003) ................................. 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
This year-long course is an introductory study of CADD and Interior Design. It provides an introduction to the use of computer-aided drafting & design software for use in interior design. It also introduces the student to the elements & principles of design, such as line, shape, space, balance, rhythm, proportions, and variety through a series of projects using CADD. This course will familiarize students with interior design uses of architectural and CADD software, 3D modeling, and CADD rendering techniques for presentations. The student will learn to use the computer as a design and technical tool to create functional details & analysis. The software covered in this year-long course are Autodesk AutoCAD (2D & 3D), Revit, and 3DS Max. Content will include learning to draw basic 2D and 3D designs, basic architectural dimensioning techniques, spatial planning, building codes, architectural rendering, animation, presentations, home furnishings equipment & accessories, creating a personal interior design portfolio, and future career opportunities. This course is highly recommended for students with an interest in architecture and/or interior design.

DIGITAL COMMUNICATIONS

STUDIO TV I (313103) ................................................. 1 Credit
STUDIO TV II (313203) .............................................. 1 Credit
STUDIO TV III (313303) (III H 313304) .................. 1 Credit
STUDIO TV IV (313403) (IV H 313404) .................. 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: consent of the instructor and application process
Course classification: 3 (III and IV 4 by petition)
From pre-production to post production Studio TV students produce a bi-weekly national award-winning newscast called “BHS-TV.” The informative, professional quality and entertaining show is broadcast to the entire campus. During the class students utilize state-of-the-art equipment to gain experience with public speaking, teamwork, news writing, graphic design, lighting, staging, filming, editing, directing and much more. BHS-TV continues to be recognized for more Student Excellence Awards through the National Academy of Television than any other high school in the country.

VIDEO PRODUCTION I (313013) .................................... ½ Credit
VIDEO PRODUCTION II (313023) ............................... ½ Credit
VIDEO PRODUCTION III (313033) .............................. ½ Credit
VIDEO PRODUCTION IV (313043) .............................. ½ Credit
ADVANCED VIDEO PRODUCTION PORTFOLIO I (313053)
HONORS (313054) ......................................................... ½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3
This course offers an engaging and professional learning experience through a hands-on learning approach as students acquire the fundamentals of video production. Students will begin to build visual literacy skills that will help them communicate their ideas utilizing the Final Cut Pro editing software. Students will learn to work as a team, as well as independently, while learning relevant industry skills necessary to be productive members of a video crew. Students are empowered to utilize their creative abilities through numerous opportunities, write their own original scripts, create their own storyboards, and film and edit their own video projects. Students enrolled will create a variety of video projects including music videos, public service announcements, documentaries and more while having the opportunity to compete with other high schools resulting in national recognition and scholarships.

DIGITAL ARTS I (312013) ............................................. ½ Credit
DIGITAL ARTS II (312023) ......................................... ½ Credit
DIGITAL ARTS III (312033) ........................................ ½ Credit
DIGITAL ARTS IV (312043) ......................................... ½ Credit
ADV. DIGITAL ARTS PORTFOLIO (312053)
HONORS (312054) ......................................................... ½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3
This course introduces students to contemporary media as an extension of the creative experience. Covered in this survey of visual communications are aesthetics, art criticism, art-history, art-making, and self-expression. Students analyze and compare traditional art with contemporary art and use technology methods in the art experience. The course includes exploring different cultural influences, historical periods and movements in art. Through lecture, research, reading materials and assigned projects, the course emphasizes the elements and principles of art in a manner that engages students. The course concludes with relative links between the visual arts and professional career possibilities. Students may retake the course at higher levels to build upon skills and learn new techniques in digital art.

DIGITAL WEB DESIGN (312503) ................................. 1 Credit
Open to freshmen, sophomores, juniors, and seniors
Prerequisite: none
Course Classification: 3
Students will work in a project-based environment to create a portfolio and working websites. Course topics include web design standards, accessibility, search engine optimization, HTML and CSS. Students will also learn to create still and animated graphics and to optimize graphics for the Web. Software used includes Dreamweaver, Flash, Fireworks, Photoshop and Illustrator. Certification exams are given during class on an individual basis when students are ready. Discover employment opportunities in world of webpage design and prepare for ACA certification. (Adobe Certified Associate).
GRAPHIC DESIGN I (311013) .......................................................½ Credit
GRAPHIC DESIGN II (311023) .......................................................½ Credit
GRAPHIC DESIGN III (311033) .......................................................½ Credit
GRAPHIC DESIGN IV (311043) .......................................................½ Credit
ADV. GRAPHIC DESIGN PRODUCTION (311053) Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3 (OR 4)
Graphic Design courses at Barrington High School familiarize students to Graphic Design theory, application, and the visual communication of ideas. Students will use the elements & principles of design along with critical thinking and creative problem solving skills, to discuss, collaborate, and physically MAKE innovative and alluring projects. Both Adobe Creative Cloud (Photoshop, Illustrator, Indesign) and traditional making methods will be utilized to explore students’ ideas and interesting design possibilities, both digitally and physically. Students will become proficient in Adobe CC through the creative development of self-interest projects. Projects will range from skill and task based digital challenges – to using different materials, tools, tech, and industry standard “specialty equipment” to physically output and make their ideas and designs a reality. In graphic design, we make cool things. Follow @wemakeBHS on Instagram to see more.
TECH CERTIFICATIONS I (314063) .......................................................½ Credit
TECH CERTIFICATIONS II (314073) .......................................................½ Credit
TECH CERTIFICATIONS III (314083) .......................................................½ Credit
TECH CERTIFICATIONS IV (314093) .......................................................½ Credit
Blended option available
Open to freshmen, sophomores, juniors and seniors
Prerequisite: None
Course classification: 3
Tech Certifications is a self-paced course that trains students for several industry certifications. Students start with Key Applications Certification, which provides a strong foundation in the entire MS Office suite (Excel, Word, PowerPoint, and Access). Next, students follow customized lessons to prepare for Microsoft Office Specialist, IC3 and Google Basics certifications. It’s the ideal setting because faster students may work ahead, and all students have a live teacher to answer their questions. Certification exams are given in our Certiport Authorized Testing Center. Tech Certifications includes an extensive career unit where students research careers and colleges, prepare a professional resume, and participate in Mock Interview Day. As the course progresses, students build an online portfolio to organize samples of their work. Sophomores, Juniors, and Seniors earning a B or higher in Tech Certifications II will earn dual credit at Harper College for CAS 160.

COMPUTER SCIENCE
MOBILE APPS DEVELOPMENT (314304) .............................................1 Credit
Open to sophomores, juniors and seniors
Course classification: 4
“There’s an app for that.” Not only have Apple iOS apps become a natural and essential part of our daily lives, but software development careers are some of the most highly paid in a fast growing job market. Over the course of a year, students will learn professional software design using the Swift programming language. Beginning with the fundamentals, students will be guided through the development of a variety of apps of growing complexity, culminating in the development of a custom app of their own design. While geared towards the beginning programmer, this course requires a high level of personal dedication in order to successfully master the challenging concepts that are covered.
ADVANCED MOBILE APPS DEVELOPMENT (314314) ...............1 Credit
Blended option available
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Completion of Mobile Apps Development
Course classification: 4
Advanced Mobile Apps Development continues where Mobile Apps Development left off. This course is designed for the proficient iOS/Swift developer who is ready to tackle more advanced concepts, and to begin to work independently in a true dev shop environment. The first part of this course deals with complex user interfaces and the access and storage of cloud data (JSON, Parse, etc.). The second part of this course involves working in teams to develop and bring to market new apps, particularly in conjunction with concepts identified with the Business Incubator Start-Up. This course provides opportunities to incorporate new and evolving specialized APIs including ResearchKit, HomeKit, HealthKit, CloudKit, Apple Watch, and Apple TV. Particular attention is paid to the creation of an agile development environment that focuses on the quality of the user experience and the maximization of user value.
COMPUTER PROGRAMMING I (314103) .............................................½ Credit
ANIMATION AND GAME DESIGN
Open to freshmen, sophomores, juniors and seniors
Prerequisite: None
Course classification: 3
This introductory course in computer programming begins by exploring the concepts of how computers work, how information is processed, and how programs allow the user to define and control a process. Starting with the animation of 3-D objects, and later by developing sophisticated computer games, students will learn higher level algorithmic thinking in a structured programming environment. Students will utilize easy to understand computer interfaces (ie ‘drag and drop’) without having to learn a specific computer programming language syntax. No prior programming experience is necessary.
COMPUTER PROGRAMMING II (314203)........................................ ½ Credit

ROBOTICS
Open to freshmen, sophomores, juniors and seniors
Prerequisite: None
Course classification: 3
This introductory course in language specific computer programming begins with programming the movement of robots on a computer screen, followed by learning to program free standing robots. In this class students will learn to write their own computer programs from an object-oriented perspective. Number systems key to computer programming, flowcharting, algorithm development, structured programming, and step-wise refinement will follow. Students will study and learn to write programs in the Java programming language, with an emphasis on problem solving techniques. This class provides a solid programming foundation that students will find beneficial for AP Computer Science the following year. No prior programming experience is necessary.

AP COMPUTER SCIENCE PRINCIPLES (314025).............................. 1 Credit

Open to freshmen, sophomores, juniors and seniors
Prerequisite: completion of Algebra I
Course classification: 5
This course is designed for the student that is curious about the impact of computers on their daily lives, the world, and the future. The course utilizes a Project-Based Learning approach. This course develops computational thinking through six practices as required by the College Board’s curriculum framework. These are: Connecting Computing, Collaborating, Abstracting, Analyzing Problems and Artifacts, Communicating, & Creating Computational Artifacts. The course also addresses the seven “Big Ideas” of computer science: Creativity, Abstraction, Data and Information, Algorithms, Programming, The Internet, & Global Impact.

AP COMPUTER SCIENCE (314005).............................................. 1 Credit

Open to sophomores, juniors and seniors
Prerequisite: None
Course classification: 5
AP® Computer Science A is designed to be comparable to a first year college-level computer science class, and the only prerequisite is a sincere desire to learn how to read and write code. This course introduces students to the formal concepts of object-oriented computer programming, including program design, control structures, data structures and algorithms using the Java programming language. They also will gain a familiarity with Java classes, objects, and data types; basic Java syntax; constructor, accessor, and mutator methods; decision and looping statements; and logical operators, among others. In addition, AP® Computer Science A is a course that is designed to enhance students’ logical problem solving abilities. Not only does it provide a basic understanding of computer programming, but it also builds analytical skills that are valuable in the field of computer science, in other academic courses, and in life in general. Throughout this course, students are encouraged to work individually and collectively to solve problems, share solutions, and make important discoveries. Students enrolled in this course are encouraged to take the Advanced Placement test administered in May.

COMPUTER SCIENCE DATA STRUCTURES (314315) ............................. 1 Credit

Blended option available
Open to juniors and seniors
Prerequisite: AP Computer Science A
Course Classification: 5
This course extends the concepts of AP Computer Science A by providing a survey of data structures and introduces and develops methods for designing and implementing abstract data types using the Java programming language. The main focus is on how to build and encapsulate data objects and their associated operations. In particular, the emphasis of this course is on the organization of information; the implementation of common data structures such as lists, stacks, queues, trees, and graphs, including linked structures, hash tables, and heaps, as well as elementary methods of complexity analysis applied to algorithms that manipulate dynamic and static data structures. This course uses a blended format for release time as needed to allow for small group and individualized instruction. Students who are released participate in independent and small group work in supervised but less structured environments such as the library or commons.

COMPUTER SCIENCE ADV. TOPICS (314325)..................................... 1 Credit

Blended option available
Open to juniors or seniors or approval of Dept. Chair
Prerequisite: Computer Science Data Structures
Course classification: 5
This course is designed for the student who wants to independently pursue the further study of advanced computer science topics. Students will work directly with the instructor to design an approved individualized project of the student’s choosing, and will then perform their own research, analysis, design, development, implementation, testing, and evaluation of their project. Students who take this course must be self-motivated to be able to consistently work independently on a significantly challenging project that is of interest to them. This course uses a blended format for release time as needed to allow for small group and individualized instruction. Students who are released participate in independent and small group work in supervised but less structured environments such as the library or commons.
FAMILY & CONSUMER SCIENCE COURSE CHART

**FAMILY & CONSUMER SCIENCE**

*Course fees are subject to change for the 2019-20 school year.

**CHILD DEVELOPMENT (402003)** ................................................................. ½ Credit
Open to sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
This course is an introduction into the study of children from conception through age four. Developmental areas studied will include the physical, emotional, social, intellectual and moral. In addition, the course will include child development theories, parenting, prenatal development, nutrition, child abuse and an awareness of careers involving children. The skills and creative techniques learned will serve as a basic foundation for working with children in a preschool setting.

**PRE-SCHOOL I (402103)** ................................................................. ½ Credit
Open to sophomores, juniors and seniors
Prerequisite: Must have a C or better in Child Development and subject to teacher review.
Course classification: 3
This course actively involves the student in planning and teaching a preschool for three and four year olds, using their background experience from the Child Development course as a foundation. Students will be introduced to the different forms of formal observations and produce a portfolio. Students interested in early childhood or elementary education, psychology, social work or parenting will find the course useful and interesting.

**PRE-SCHOOL II (402203)** ................................................................. ½ Credit
Open to juniors and seniors
Prerequisite: Must have a B or better in Preschool I and subject to teacher review.
Course classification: 3
This course is a continuation of Preschool I. Students will use their background experience and knowledge from Preschool I to develop and teach in-depth lesson plans incorporating a variety of methods. Formal observations, a case study and continued portfolio production will be covered.

**ADVANCED PRE-SCHOOL HONORS (402304)** ......................................... ½ Credit
Open to juniors and seniors
Prerequisite: Must have a B or better in PRESCHOOL II and subject to teacher review.
Course classification: 4
This course is an application of background knowledge and experiences from Child Development and Preschool I and II. Students will integrate their knowledge and experience to develop advanced lesson planning and teaching; scheduling; room environment; assessing kindergarten readiness of preschoolers; and designing their own preschool.

**INTRODUCTION TO ELEMENTARY ED (402403)** ..................................... ½ Credit
Open to juniors and seniors
Prerequisite: Must have a B or better in Child Development and Preschool I and subject to teacher review.
Course classification: 3
This course is designed to give students an opportunity to participate directly with professionals who work in the elementary school setting. Through observation and active classroom participation, students will experience first hand what teachers do on a daily basis. Internship duties include: small group facilitation, creating and teaching mini lesson plans, designing bulletin boards, performing some clerical duties and completing a course portfolio. This course is highly recommended for students wishing to pursue careers in education. Students must provide their own transportation.
and explore the process of comparison-shopping. Students will be introduced to the stock market, manage a personal budget, buying a house and what it takes to balance all of those choices. Students will gain experience through project based learning on designing investing, credit, transportation, housing, insurance, careers and taxes. This allows them to make better use of their consumer dollars. Topics covered require a graduation. This course gives students information that is required.

INDEPENDENT LIVING (404003) ..........................................................½ Credit
Open to juniors and seniors
Prerequisite: none
Course classification: 3
Independent Living does fulfill the Consumer Education credit, which is a requirement for graduation. This course gives students information that allows them to make better use of their consumer dollars. Topics covered in this course include economic systems, advertising, budgets, banking, investing, credit, transportation, housing, insurance, careers and taxes. Students will gain experience through project based learning on designing a budget, buying a house and what it takes to balance all of those choices. Students will be introduced to the stock market, manage a personal checking/savings account, complete state and federal income tax forms and explore the process of comparison-shopping.

CULINARY ARTS 1 (401013) .........................................................½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisites: None
Course classification: 3
This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompass: food service and preparation management; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs. A fee of $35 per semester is required.

CULINARY ARTS 2 (401113) .........................................................½ Credit
Blended option available
Open to freshmen, sophomores, juniors and seniors
Prerequisites: Culinary Arts 1
Course classification: 3
Culinary Arts II provides principles of application into the hospitality industry, including nutrition and culinary opportunities. Course content includes the following: safety and sanitation, selection, purchase, preparation, and conservation of foods including eggs, meat, and poultry, dietary needs and trends, and careers in food service industries. All of these concepts can be interpreted through laboratory experiences. A fee of $35 per semester is required.

FOODS OF THE WORLD (401213) .........................................................½ Credit
Open to sophomores, juniors and seniors
Prerequisites: Culinary Arts 1 & 2
Course classification: 3
In Foods of the World students will learn how to prepare international cuisine as well as have practical experiences needed for the development of culinary competencies and workplace skills. Culinary terminology and culinary math will be included. Safety and sanitation instruction and classroom application will prepare students for an industry recognized sanitation exam. Students will produce a portfolio displaying their products. Students will also construct a garment with emphasis placed on style, fabric choice and sewing skills. Students will model their garments in a student-produced fashion show. The majority of the equipment is supplied; however, students will be responsible for fabric, notions and pattern expenses.

BAKING AND PASTRY ARTS (401223) ..............................................½ Credit
Open to sophomores, juniors and seniors
Prerequisites: Culinary Arts 1 and 2
Course classification: 3
In Baking and Pastry Arts, students will build upon the baking skills learned in Culinary Arts I and II and practice the preparation of different types of yeast and quick breads, cookies, cakes, pastries, and key culinary techniques such as cake decorating and tempering chocolate. This course provides culinary math, culinary terminology, and practical experiences needed for the development of culinary competencies and workplace skills. Students will practice plating eye catching desserts and designing and decorating their own custom cakes for a special occasion. This class is recommended for students planning to pursue a degree in the culinary or pastry arts as well as culinary enthusiasts. Safety and sanitation instruction and classroom application will prepare students for an industry recognized sanitation exam. Students will be provided opportunity for training experiences on commercial equipment. Additional content may include: event planning, customer service and relations, as well as front of house, back of house, and work station operation. A fee of $35 per semester is required.

FASHION I (403103) ..........................................................½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
This course is designed to meet the needs of students interested in fashion and clothing construction. Basic sewing skills will be taught and students will produce a portfolio displaying their products. Students will also construct a garment with emphasis placed on style, fabric choice and sewing skills. Students will model their garments in a student-produced fashion show. The majority of the equipment is supplied; however, students will be responsible for fabric, notions and pattern expenses.

FASHION II (403203) ..........................................................½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3
This course is designed to meet the needs of experienced students interested in fashion and clothing construction. Students will add to their fashion portfolio and construct a garment with a collar, buttonholes, and set-in sleeves. Emphasis will be on creativity and more advanced sewing skills. Students will model their garments in a student-produced fashion show. Students will be responsible for fabric, notions and pattern expenses.

FASHION III (403303) ..........................................................½ Credit
Open to sophomores, juniors and seniors
Prerequisites: sequential w/ a grade of B or higher and subject to teacher review.
Course classification: 3
This course is designed to further skills and meet the needs of experienced and extremely motivated students who have completed Fashion I and II. Students will learn flat-pattern making and construct a garment from that pattern. The design and pattern-making process will be documented and included in the student's portfolio. Students will participate in a student-produced fashion show. Students will be responsible for fabric, notions and pattern expenses.

POSSIBLE HARPER COLLEGE CREDIT
☑ TRANSCRIPTED COLLEGE CREDIT
◆ CREDIT BY EXAM
SEE PAGE 21 FOR MORE DETAILS
FOCUS COURSES

FASHION IV (403403) .................................................................½ Credit
Open to sophomores, juniors and seniors
Prerequisites: sequential w/ a grade of B or higher and subject to teacher review.
Course classification: 3
This course is designed to meet the needs of extremely skilled and motivated fashion students. Students will design an original garment and then use draping and sewing techniques to construct the garment. Students will also make and embellish another garment. The design and construction process will be documented and included in the student's portfolio. Students will also participate in a student-produced fashion show. Students will be responsible for all material expenses needed to construct their garments.

FASHION DESIGN & MERCHANDISING (403003) ..................½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisites: none
Course classification: 3
This course is designed to meet the needs of students interested in designing and merchandising fashions. Curriculum includes the foundations of apparel, the creative processes and design, fashion illustration, the manufacturing process identifying and dressing different body types, wardrobe planning and purchasing, coordinating an image, marketing apparel products, and personal and corporate decision making. Careers in the fashion industry will be explored. Students will also be involved in the planning, preparation, and operation of a fashion show.

ADVANCED FASHION HONORS (403504) .........................½ Credit
Open to juniors and seniors
Prerequisites: sequential w/ a grade of B or higher and subject to teacher review.
Course classification: 4
This course is intended for highly motivated students, committed to serious study of fashion design and construction. Advanced Placement curriculum involves a significant amount of work, done independently. Students will make a pants sloper, design and construct a pair of pants. Students will also learn computer pattern-making, produce an original pattern and construct a garment from that pattern. The design and construction process will be documented and included in the student's portfolio. Students will have a significant role in the production of and participation in a fashion show. Students will be responsible for all material expenses needed to construct their garments.

WOODWORKING COURSES

*Course fees are subject to change for the 2019-20 school year.

WOODWORKING I (318103) ...........................................½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
These sequential woods courses are designed to teach students skills that include safety around tools and equipment, use and construction of wood joints, wood lathe spindle turning, project construction and wood finishing. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. All students will be responsible for the cost of the materials used to build their individual projects. A selection of materials will be provided for students to choose from. A $25.00 fee is required for each semester.

WOODWORKING II (318203) ...........................................½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3
These sequential woods courses are designed to teach students skills that include safety around tools and equipment, use and construction of wood joints, wood lathe spindle turning, project construction and wood finishing. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. All students will be responsible for the cost of the materials used to build their individual projects. A selection of materials will be provided for students to choose from. A $25.00 fee is required for each semester.

WOODWORKING III (318303) ...........................................½ Credit
Open to sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3
These sequential woods courses are designed to teach students skills that include safety around tools and equipment, use and construction of wood joints, wood lathe spindle turning, project construction and wood finishing. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. All students will be responsible for the cost of the materials used to build their individual projects. A selection of materials will be provided for students to choose from. A $25.00 fee is required for each semester.

WOODWORKING IV (318403) ...........................................½ Credit
Open to sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3
These sequential woods courses are designed to teach students skills that include safety around tools and equipment, use and construction of wood joints, wood lathe spindle turning, project construction and wood finishing. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. All students will be responsible for the cost of the materials used to build their individual projects. A selection of materials will be provided for students to choose from. A $25.00 fee is required for each semester.

ADVANCED WOODS (318503) ...........................................½ Credit
Open to juniors and seniors
Prerequisite: sequential
Course classification: 3
These sequential woods courses are designed to continue to teach students skills that include safety around tools and equipment, project construction using special jigs and fixtures, and more advanced setups. An emphasis will be placed on organization of materials, work time productivity, planning of projects and working with others in the lab. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. All students will be responsible for the cost of the materials used to build their individual projects. A selection of materials will be provided for students to choose from. A $25.00 fee is required for each semester.

ADVANCED WOODS HONORS (318504) ...........................................½ Credit
Open to juniors and seniors
Prerequisite: sequential
Course classification: 3 (4 by petition)
These sequential woods courses are designed to continue to teach students skills that include safety around tools and equipment, project construction using special jigs and fixtures, and more advanced setups. An emphasis will be placed on organization of materials, work time productivity, planning of projects and working with others in the lab. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. A $25.00 fee is required for each semester.
WOODS DESIGN/SCULPTURE (318603) .................................................. ½ Credit
Open to juniors and seniors
Prerequisite: Woods IV, Design IV, or instructor and dept. chair approval
Course classification: 3
Woods Design/Sculpture will introduce the elements and principles of design to wood as a medium for sculpture. Students within this section will plan and build projects that focus on three dimensional designs. Projects may include functional and non-functional pieces as well as large scale collaborative sculptures. Other project components may include metal, glass, plastic, and textiles. Woods Design/ Sculpture is a semester course open to students with two previous semesters of woods or design. A $25.00 fee is required for each semester.

OFF-CAMPUS PROGRAMS

EARN HIGH SCHOOL CREDIT
STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION.

COSMETOLOGY (491403-class, 491409-work) .... 1 Credit per semester
Open to seniors
Must meet Beauty School's entry requirements (Tech Campus of DuPage, Addison)
Course classification: 3
This is the first year course of a two year course sequence. (The student is responsible for enrolling for the second year course after completion of high school. Second year course costs are the student's responsibility). There is a mandatory meeting required by the beauty school prior to enrollment. Students will be responsible for all supplies and additional costs for the first year course. See your counselor for further information.

BUILDING CONSTRUCTION I (497103), (II-497203) ..... 1 Credit per sem
Open to juniors and seniors
Prerequisite: Woods I and II
Course classification: 3
Students will be involved in the building of a house and will get experience in different facets of the building trade. Class is held at a District 211 high school and at a construction site location.

AUTOMOTIVES I (496103), (II-496203), (III-496303), (IV-496403) .................................................. ½ Credit per semester
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
This course, offered at a district 211 high school, covers theory, operation and care of basic components of modern automobiles, engines and engine systems, drive trains, brakes, and suspensions. Students develop skills and understanding while applying theory to the practical application of working on autos. Bus Transportation is provided for transportation to a District 211 high school for this course.

DUAL CREDIT CLASSES - HARPER COLLEGE

EARN HIGH SCHOOL CREDIT & HARPER COLLEGE CREDIT
(ONE CLASS - BHS CREDIT & HARPER COLLEGE CREDIT)
STUDENTS ARE REQUIRED TO PROVIDE THEIR OWN TRANSPORTATION

This is an opportunity for high school students to get a jump-start on their college education. Students can take these courses at Harper College and earn both high school and Harper College semester hour credit. Students must meet Harper College program requirements. Students who enroll in Harper classes should be self-motivated and have good attendance records.

ALL COURSES MEET AT HARPER COLLEGE

INTRODUCTORY ELECTRONICS (497404) ........................................ 1 Credit
Open to juniors and seniors
Prerequisite: math and reading assessment
Course classification: 4
This course, provides an opportunity to explore the area of electronics as it relates to the growing field of electronic maintenance. The course introduces laboratory instruments, circuit components, basic measuring techniques and basic circuits used as building blocks in any electronic system. This course meets at Harper College.

ELECTRONICS I (497414) ............................................................ 1 Credit
Open to juniors and seniors
Prerequisite: Introductory Electronics (497404)
Course classification: 4
This course, provides the second in a series of courses designed to allow students to enter the work force with a knowledge of electronic devices and maintenance. It examines industrial pneumatic and hydraulic controls and introduces fractional horsepower motors and programmable logic controllers, includes robotics. This course meets at Harper College. Class may meet in the evening.

HEATING PRINCIPLES (497314) ................................................... 1 Credit /sem
Open to juniors and seniors
Prerequisite: none
Course classification: 4
This course describes sources and methods of producing heat for residential, commercial and industrial systems. The student will develop skills in testing, adjusting and replacing heating system components. Students enrolling should have mechanical aptitude and interest in the industry. This course requires classroom meeting time and approximately 10 HVAC open lab hours per week. This course meets at Harper College.

REFRIGERATION FUNDAMENTALS (497324) .................................. 1 Credit /sem
Open to juniors and seniors
Prerequisite: Heating Principles (497314)
Course classification: 4
This course offers career exploration along with development of job entry skills. Students will be introduced to vocabulary, concepts and scientific principles used in the refrigeration industry. They will develop skills in pipe fitting, use of hand tools and operation of instruments used in the refrigeration trade. Completion of this course will allow students to enter Harper's program in this field at a higher level. Students enrolling should have mechanical aptitude and interest in the industry. This course requires classroom meeting time and approximately 10 HVAC open lab hours per week. This course meets at Harper College.
INTRO TO CRIMINAL JUSTICE (498104) ...........................................½ Credit/sem
Open to seniors
Prerequisite: B average or better
Course classification: 4
Offered in the fall. Studies the history, role, development, and constitutional aspects of law enforcement and public safety. Review of agencies and functions involved in the processes of administration of criminal justice. The next sequence of this course is Forensics offered in the spring. This course meets at Harper College.

FORENSICS (498204)...........................................................................½ Credit/sem
Open to seniors
Prerequisite: B average or better; Intro to Criminal Justice (498104)
Course classification: 4
Offered in the spring. Introduces the student to the use of scientific disciplines in crime investigation (forensics). Identifies a variety of sources of evidence and the means by which comparative analysis can be made. Develops skills in crime scene technology, fingerprinting, photography, and recording. This course meets at Harper College.

FIRE SCIENCE (498304) .....................................................................½ Credit/sem
Open to juniors and seniors
Prerequisite: none
Course classification: 4
Fall: Fundamentals of Fire Protection. Provides an introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; fire protection systems; introduction to fire strategy and tactics. This course is held at Harper College.

Spring: Fire Behavior and Combustion. Prerequisite: Fundamentals of Fire Protection Explores the theories and principles of how and why fires start, spread, and are brought under control. Students will be able to relate the principles by which fires spread with the appropriate methods of control. This course is held at Harper College.

FASHION CAREER PRACTICUM (491304) ...........................................½ Credit
Open to seniors
Prerequisite: none
Course classification: 4
This course provides an overview of the fashion industry. Students will attend a one-hour theory class each week at Harper College in the early evening and participate in a 10-hour internship per week at a local business. This course meets at Harper College.

HEALTH CAREER OBSERVATION (494304) ........................................½ Credit
Open to juniors and seniors
Prerequisite: C or better or concurrent enrollment in (315104)
Course classification: 4
This course provides students an opportunity to observe selected occupations within a healthcare setting. The student will attend sixteen, two-hour sessions under the supervision of the instructor and departmental specific mentors. This course meets at Harper College and selected sessions at a local hospital.

SIGN LANGUAGE I (493104).................................................................½ Credit
Offered only Fall semester
Open to seniors only
Prerequisite: B or better in English
Course classification: 4
This course introduces the student to American Sign Language with emphasis on receptive and expressive vocabulary skill development and appropriate use of grammatical structures. Information about the deaf community and its culture is also presented. Designed for students with no previous experience in American Sign Language. This course meets at Harper College.

SIGN LANGUAGE II (493204)...............................................................½ Credit
Offered only Spring semester
Open to seniors only
Prerequisite: completion of Sign Language 1 (493104) with a grade of B or better
Course classification: 4
This course reviews American Sign Language vocabulary and grammar essentials presented in Sign Language 101 and continues receptive and expressive American Sign Language skill development and application of increasingly complex grammatical structures. This course meets at Harper College.

INTRODUCTION TO EDUCATION (493304) .......................................½ Credit
Open to seniors
Prerequisite: B average or better
Course classification: 4
This course, offered in the fall, provides an overview of the American education system. Social, historical, and philosophical foundations give perspective to an examination of current issues, policies, and includes organization structure, government responsibilities, finance, and curriculum. This class meets at Harper College in the evening. Requires 15 hours of clinical and 20 hours observation.
Courses with an asterisk (*) are semester long courses. Courses with (**) are semester long and dual credit courses.
GENERAL INFORMATION

The English Department includes the academic areas of English language, literacy, and composition, as well as journalism and photojournalism. It offers courses on three levels: college preparatory, honors, and Advanced Placement. It is the department’s goal to assist students in becoming critical and analytical readers, logical and insightful thinkers, and skilled users of written, visual, and oral communication. Students are required to take four years/credits of English courses in order to fulfill graduation requirements.

*Course fees are subject to change for the 2019-20 school year.

ADVANCED PLACEMENT PROGRAM

The Advanced Placement program in English is a comprehensive college level program available to all students as part of their English education at Barrington High School. This program offers a rigorous and demanding curriculum and prepares students for college-level experiences while also preparing them to take and pass the Advanced Placement exam in Language or Literature. Students are encouraged to check with their counselor and investigate their college choices before deciding to take an Advanced Placement course. Advanced Placement classes are offered in Language and Composition and Literature and Composition. All students are eligible to take Advanced Placement classes in English with Department Chair approval needed in certain situations.

BLENDED LEARNING

The English Department is proud to offer several courses in a blended format. Blended learning is an instructional strategy that gives students shared ownership in the time, pace, path, or place of their learning. This initiative combines in-class student-centered learning strategies with occasional release from the classroom environment. Most courses offered in the blended format use release time as needed to allow for small group and individualized instruction. Students who are released participate in independent and small group work in supervised but less structured environments such as the library or commons. Blended offerings for younger students are more structured and have less release time than those offered to upper level students who are preparing for the rigorous and independence of college. Check individual course offerings and talk to your counselor to find the blended offerings best suited for you.

COURSES

FR ENGLISH H (201204) ................................................................. 1 Credit
Open to freshmen
Prerequisite: teacher recommendation, an A in 8th grade English, and high marks on tests used for placement.
Course classification: 4

FR ENGLISH COLLEGE PREP (201203) ......................................... 1 Credit
Open to freshmen
Prerequisite: none
Course classification: 3

Freshman English is a year-long course for incoming 9th graders where students develop skills in reading, writing, and research. The curriculum explores the coming of age through short stories, essays, articles, novels, poetry, drama, and other texts. Through their reading of model texts, students are introduced to various stylistic techniques and write in multiple formats throughout the year, including narrative and argument. Authentic class discussion also plays a vital role in enhancing literacy skills. Course selection is determined through the careful consideration of a number of testing and teacher recommendation factors. Freshman English College Prep serves students who will benefit from continued reinforcement of the foundational skills noted above, while Freshman English Honors is best suited for students who are prepared for a greater challenge. Both classes are outstanding preparation for college.

SO ENGLISH H (202204) ................................................................. 1 Credit
Blended option available
Open to sophomores
Prerequisite: Successful completion of Freshman English Honors and teacher recommendation, or an A in Freshman English College Prep course with teacher recommendation
Course classification: 4

SO ENGLISH COLLEGE PREP (202203) ........................................... 1 Credit
Open to sophomores
Prerequisite: Successful completion of Freshman English
Course classification: 3

Sophomore English is a year-long course for incoming 10th graders where students continue to develop skills in reading, analysis, writing, grammar, oral communication, and research. The curriculum explores the concept of culture through short stories, essays, articles, novels, poetry, drama, and other texts. Through their reading of model texts, students build upon the various stylistic techniques and multiple writing formats introduced in Freshman English, with a focus on persuasion and an introduction to rhetorical analysis. Authentic class discussion also plays a vital role in enhancing literary skills. Course selection is determined through the careful consideration of a number of testing and teacher recommendation factors. Sophomore English College Prep serves students who will benefit from continued reinforcement of the foundational skills noted above, while Sophomore English Honors is best suited for students who are prepared for a greater challenge. Both classes are outstanding preparation for college.

AP ENGLISH LANGUAGE/IA (203225) ............................................. 1 Credit
Open to juniors
Prerequisite: Teacher recommendation
Course classification: 5

Interrelated Arts is a year-long AP Language course that offers a challenging, interdisciplinary curriculum centered in the American literary heritage. In this AP Language course that explores the concepts underlying great movements in the fields of American literature, art, music, and architecture. Students engage in a wide variety of readings and media that develop their ability to understand and rhetorically interpret texts of a non-fiction, fiction, visual, and musical nature. Students will probe the distinguishing characteristics of American literature and the American experience that it reflects. Particular attention will be focused on the tension between idealism and realism and on twentieth century modernism. Additionally, students will reflect on these elements in the visual arts, music, and architecture. For understanding the background of these American movements in the arts, 19th and 20th century European movements in art and music will be examined. An important dimension of this program is its field trips that provide live experiences with the various arts. Those include visits to the Art Institute of Chicago, the Museum of Contemporary Art, the Chicago Symphony, the Lyric Opera, and an extensive tour of Chicago architecture. Students write several formal analytical essays about art and literature, defining the individual voices of literary artists and individual perspectives of visual artists, and comparing and contrasting those individual voices and perspectives. Students also compose informal essays. All students will be instructed in how to formulate a research topic, refine that topic in the research process, evaluate on-line and print resources, and synthesize the thinking drawn from multiple sources. There will be a thorough review of grammar, usage, and rhetoric in preparation for both the ACT and the Advanced Placement English Language and Composition Examination. A fee off $150 is assessed with the course at registration.
AP ENGLISH LANGUAGE/RA (203235) ............................................. 1 Credit
Open to juniors
Prerequisite: Teacher recommendation
Course classification: 5
Rhetorical Analysis is a year-long AP Language course that examines the issues of rhetoric and argumentation. Considerable attention is paid to the rhetorical features and rhetorical strategies of a variety of texts. The course centers on American literature, with an emphasis on nonfiction, and includes oral, visual, and graphic texts. Students will explore a variety of philosophical issues, the relationship of language and thought, and the processes of making meaning through close reading. The rhetorical analysis of literature and other media will require the student to reach beyond the fundamental questions of most literary studies and examine, in-depth, the significance of structure and strategy. When the tools and strategies of rhetoric are applied to imaginative, dramatic, poetic, and expository texts, students begin to see, in very practical terms, how language is manipulated in order to make meaning. As an extension of their reading, students will write personal, analytical, persuasive, and research-based essays. All students will prepare a research topic, refine that topic through the research process, evaluate online and print resources, and synthesize the thinking drawn from multiple sources. A thorough analysis of writing, language, and grammar strategies reinforces the core curriculum of the course and prepares students for the Advanced Placement English Language and Composition Examination and other college entrance examinations, such as the ACT.

AP SEMINAR/ENGLISH (206205) ............................................... 1 Credit
Open to juniors
Prerequisite: Teacher recommendation
Course classification: 5
AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary and philosophical texts; listening to and viewing speeches, broadcasts and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. This course is a prerequisite to AP Research/English that can be taken senior year.

AP ENGLISH LITERATURE AND COMPOSITION (204625).............................. 1 Credit
Open to seniors
Prerequisite: teacher recommendation
Course classification: 5
AP English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature at a collegiate level. As they read, students consider a work’s structure, style, and themes, as well as specific elements such as the use of figurative language, imagery, symbolism, and tone. Such reading is accompanied by thoughtful discussion and writing about those texts in the company of one’s fellow students. This course prepares students for the Advanced Placement Exam in Literature and Composition.

ENG 101 (204704) ........................................................................ ½ Credit
Open to seniors
Prerequisite: teacher recommendation with Harper requirements listed below
Course classification: 4
Composition emphasizes the writing of expository prose and introduction to the critical reading of nonfiction prose. For a student to be enrolled in this course they must meet ONE of the following Harper requirements: SAT of 510 in Reading & Writing; OR an ACT Reading score of 20 or better AND an ACT English score of 19 or better. A student may also qualify for this course by completing the Harper Diagnostic Essay and earning a score of 4 or 5. Upon successful completion of this course, students will receive 3 hours of Harper transcripted ENG 101 credit.

SPEECH 101 (206504) ............................................................... ½ Credit
Open to juniors and seniors
Prerequisite: teacher recommendation
Course classification: 4
Fundamentals of Speech Communication includes the theory and practice of oral communications, development of poise, confidence and skill in speech organization and delivery, emphasis on frequent speaking, development of standards of criticism and selection and organization of material. Upon successful completion of this course, students will receive 3 hours of Harper transcripted SPE 101 credit.
Language and Composition (204203) .................................................. ½ Credit
Open to juniors
Prerequisite: Junior English
Course classification: 3

Writing for College & Career is a one semester course intended for upperclassmen who are working toward further development of writing skills as they look toward college and/or career post-graduation. It focuses on the three main areas of writing -- narrative, explanatory, and argument -- as well as the writing process (brainstorming, multiple drafts, revision based on feedback). Students are exposed to multiple Mentor Texts in each area of writing and develop pieces based on teacher and peer feedback to ultimately create Best Drafts. These Best Drafts are to be used in preparation for college and career readiness as well as in the application process. Students are also immersed in reading their own books independently and discussing content and craft in all types of literature through collaborative discussion. By the end of the semester, students have worked to develop their skills in the four areas of English (reading, writing, speaking/listening, and language) in preparation for future college and/or career goals.
GENERAL INFORMATION

THE FINE, VISUAL AND PERFORMING ARTS DEPARTMENT
Creative involvement in the visual and performing arts gives balance to the broad pattern of learning. The College Board recognizes the unique contribution of the arts by identifying them as one of the six core areas of a school curriculum. One develops imagination and the disciplined use of emotion – important factors in learning to live well regardless of one’s life goals. Our visual and performing arts curriculum challenges students to think creatively, encourages risk-taking, and enables students to apply their problem-solving skills beyond the classroom.

*Course fees are subject to change for the 2019-20 school year.

Barrington Fine, Visual & Performing Arts Video

INTRODUCTION, VISUAL ARTS
Visual art students progress through studio courses of their choice, among which are Ceramics, Design/Sculpture, Drawing/Painting, Metal and Jewelry Arts, Darkroom Photography, Digital Photography and Printmaking. Students will be eligible to apply for honors credit after completing four semesters in ceramics, design, jewelry, drawing/painting, photography or printmaking. Independent study may be requested by seniors who have successfully completed the fourth level of a given studio, and wish to study intensely in that medium.

ADVANCED PLACEMENT PROGRAM, VISUAL ARTS
Students are welcome to apply to any AP Art class they are interested in during the winter of their Sophomore or Junior year for admission in the following school year. There is no set path students are required to follow; students may take the same class multiple times (progressing through levels of difficulty) or sample many different course offerings during their high school career.

AP Music Theory is a rigorous course that is intended to provide experienced music students with a curriculum comparable to a first-year college music theory class. The course is designed to develop both written and aural rudimentary skills of music based primarily on, but not limited to Western Art Music. These skills include: notation, analysis, sight-singing, and composition.

VISUAL ARTS 2D COURSE CHART

→ Students are welcome to apply to any AP art class they are interested in during the winter of their Sophomore or Junior year for admission in the following school year.

→ There is no set path students are required to follow; students may take the same class multiple times (progressing through levels of difficulty) or sample many different course offerings during their high school career.
FINE ARTS COURSES

AP ART DRAWING (112005) .........................................................1 Credit
AP ART 3-D DESIGN (113005) ....................................................1 Credit
AP ART 2-D PHOTOGRAPHY (116005) ........................................1 Credit
Open to juniors and seniors
Prerequisite: 1 year in art, portfolio review, and teacher and department head approval.
Course classification: 5
Junior and Senior art students wishing to do college-level work in studio art may apply for this class by submitting a portfolio for review in the month of February of the preceding year. The program is intended for highly motivated students committed to serious study in art. Work may be done in any of the eight studio areas: drawing, painting, printmaking, photography, design, sculpture, ceramics and jewelry. Advanced placement work involves significantly more time and work than most high school level courses; senior students must enroll in one other art studio class concurrently. (2nd year AP students may substitute AP Art History as a second Visual Art class). Fee is $80 per semester/class.

AP ART HISTORY (118005).............................................................1 Credit
Open to juniors and seniors
Prerequisite: None, Inter-related Arts is recommended
Course classification: 5
AP Art History, a year-long course, is a critical study and understanding of architecture, sculpture, painting, and other art forms within historical and cultural contexts. The aim of the course is to introduce students to the rich traditions of western and non-western art through factual knowledge and the skillful use of principles of aesthetics and comparative criticism, and through continuous reference to the essentially related fields of religion, history, and geography.

While no prerequisite coursework for this course is required, students who have done well in other courses in the humanities, such as history, literature, and Interrelated Arts, or in any of the advanced levels of the studio art, should be encouraged to enroll. While the course does not seek primarily to identify students who will major in art history in college, it will require a high degree of commitment to academic work and to the purposes of a program designed to meet college standards.

CONTEMPORARY SCULPTURE I (113103) ...........................................½ Credit
CONTEMPORARY SCULPTURE II (113203) .......................................½ Credit
CONTEMPORARY SCULPTURE III (113303) .....................................½ Credit
CONTEMPORARY SCULPTURE IV (113403) .....................................½ Credit
ADVANCED CONTEMPORARY SCULPTURE (113503) .......................½ Credit
ADVANCED HONORS (113504) ......................................................½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3 (4 or 5 by petition for Adv. Honors)
The focus of this studio course is to explore traditional and contemporary sculpture materials and processes. Materials may include plaster, stone, wood, metal, plasticine, wire, papier maché, fabric/fibers, and found materials. Goals include acquiring technical skills, understanding the physical and expressive possibilities of diverse materials, and learning safe, appropriate use of tools and materials. Students wanting further involvement with advanced technique and concepts may take Contemporary Sculpture II, III, and IV. Evaluation is based on effort and progress. Fee is $30 per semester.
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<td>This course is designed to familiarize students with both the process and aesthetic considerations of the medium. Students learn how to throw on the potter's wheel and the unusual firing technique of Raku. Evaluation is based on effort and progress. Fee is $35 per semester. Blended option available.</td>
<td>In Digital Photography, students learn to apply traditional photography principles to a digital medium. Through lectures, demonstrations, shooting assignments, and critiques, students are introduced to a basic aesthetic grammar of photography, addressing the historical, cultural, commercial and artistic significance of photography as a medium, and are provided with an historical and critical context for looking at and making photographs. Students learn the fundamentals of digital capture and use industry standard software, Adobe Lightroom and Photoshop, for file processing, management, and output, using their own digital cameras with manually adjustable focus and exposure (a limited number of loaners are available for one-night use). Fee is $75, includes one pack of paper, access to a pro-quality photo printer, and software license for the Adobe Creative Suite.</td>
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<td>This class is designed to give students fundamental knowledge of the creative and artistic process of acting for the theatre. Such knowledge is best learned through experience, participation, and performance. During this course students will learn to adopt the rituals and routines of the actor, develop skills and techniques of the actor, and engage in ensemble building behaviors of the actor. Fee is $16 per semester.</td>
<td>This class is designed to build on and further student knowledge of the creative and artistic process of acting for the theatre obtained in Theatre I and Theatre II with an increase in rigor. This course will cover rotating topics in multiple theatrical disciplines and will require students to reflect on their learning goals and their impact on the class as an ensemble. Students may have input on learning topics and materials. Students will continue to adopt the rituals and routines of the actor, develop skills and techniques of the actor, and engage in ensemble building behaviors of the actor. This knowledge is best learned through experience, participation, and performance. Fee is $16 per semester.</td>
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<td>Prerequisite: Theatre I and II</td>
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<td>In Darkroom Photography, creative camera work with light-sensitive emulsions is at the core of this semester-long course. Students become familiar with the process and aesthetic considerations of the medium, beginning with basic technical instruction and problem-solving methods for black-and-white film photography. Camera operation, film processing, printmaking, and presentation are the main areas of concentration. (Students must provide their own film cameras.). Essays and reviews deal with contemporary issues as well as the history of the medium, in addition to work in the darkroom. In successive semesters, students investigate the concept of fine print, experiment with a variety of materials, and employ more extensive manipulation of images. Evaluation is based on effort and progress. Continuing study assumes mastery of tools, materials and processes. Fee is $75 per semester (includes two packs of paper and two rolls of film); additional expenses for film, papers and field trips.</td>
<td>This class is designed to build on and further student knowledge of the creative and artistic process of acting for the theatre obtained in Theatre I and Theatre II with an increase in rigor. This course will cover rotating topics in multiple theatrical disciplines and will require students to reflect on their learning goals and their impact on the class as an ensemble. Students may have input on learning topics and materials. Students will continue to adopt the rituals and routines of the actor, develop skills and techniques of the actor, and engage in ensemble building behaviors of the actor. This knowledge is best learned through experience, participation, and performance. Fee is $15 per semester.</td>
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<td>Prerequisite: Theatre I and II</td>
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CONCERT BAND (102103) ............................................................... 1 Credit
CONCERT BAND H (102104) ............................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: previous band experience
Course classification: 3 (4 by petition)
The major activity for Concert Band is the rehearsal and performance of standard high school band literature at appropriate grade levels. Students from this class join Symphonic Band members to form the BHS Bronco Marching Band during first semester from August through October. The Bronco Marching Band performs at all the BHS home football games and local parades as a co-curricular course requirement. Additionally, concert band students will have the opportunity to elect to travel with the band on bi-annual band tours throughout the United States and abroad. Students enrolled in concert band will be exempt from PE class first semester because of marching requirements. Fee is $25 per semester.

SYMPHONIC BAND (102203) ............................................................... 1 Credit
SYMPHONIC BAND H (102204) ............................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: audition
Course classification: 3 (4 by petition)
The major activities are the rehearsal and performance of more serious music and compositional forms. Membership in this group is open to freshmen through seniors who have successfully met the audition requirements through their performance during their previous years of band experience, and approval of the instructor. From August through October, this group combines with members of the Concert Band to form the BHS Bronco Marching Band. The Bronco Marching Band performs at all the BHS home football games and local parades, as a co-curricular course requirement. Additionally, concert band students will have the opportunity to elect to travel with the band on bi-annual band tours throughout the United States and abroad. Students enrolled in concert band will be exempt from PE class first semester because of marching requirements. Fee is $25 per semester.

VARSITY ORCHESTRA (102313) ............................................................... 1 Credit
Open to freshmen
Prerequisite: none
Course classification: 3
Students playing violin, viola, cello, bass, or harp will develop foundational skills for playing in high school orchestra. Students will perform 3-4 evening concerts each year that are required for participation. Ninth grade students may also participate in the ILMEA Honors Orchestra, solo/ensemble festival, Fine Arts Musical Pit Orchestra, and performances in the community. All incoming 9th graders are enrolled in the Varsity Orchestra unless they successfully audition into the chamber orchestra. Fee is $25 per semester.

STRING ORCHESTRA (102303) ............................................................... 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: consent of instructor
Course classification: 3
The String Orchestra is open to any student, grade 10-12, who has experience playing a stringed instrument. The focus of this ensemble is to develop and refine students' musical experiences and technique through performance of music written for string orchestra. While focusing on traditional orchestra music, it is the intent of this class to expose students to a wide variety of music from the past and present and from many cultures. The String Orchestra performs several evening concerts each year that are required for participation. In addition to regular performances at BHS, performance opportunities include ILMEA Honors orchestra, solo/ensemble festival, Fine Arts Musical Pit Orchestra, and performances in the community. Fee is $25 per semester.

CHAMBER ORCHESTRA (102403) ............................................................... 1 Credit
CHAMBER ORCHESTRA H (102404) ............................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
(Chamber Orchestra H is not available to freshmen)
Prerequisite: audition
Course classification: 3 (4 by petition)
The Chamber Orchestra is open to students who play a stringed instrument and have successfully auditioned into the orchestra. Wind and percussion students wishing to perform with the orchestra must be enrolled in a band and are placed in the orchestra as needed by audition. The focus of this ensemble is to develop and refine students' musical experiences and technique through performance of masterworks written for string and symphonic orchestra. While focusing on traditional orchestra music, it is the intent of this class to expose students to a wide variety of music from the past and present and from many cultures. Once per week the orchestra is joined by select members of the Symphonic Band for a full orchestra rehearsal. The Chamber Orchestra performs several evening concerts each year that are required for participation. In addition to regular performances at BHS, performance opportunities include ILMEA Honors orchestra, solo/ensemble festival, Fine Arts Musical Pit Orchestra, and performances in the community. Fee is $25 per semester.

SYMPHONIC BAND (102203) ............................................................... 1 Credit
SYMPHONIC BAND H (102204) ............................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: audition
Course classification: 3 (4 by petition)
The major activity for Concert Band is the rehearsal and performance of standard high school band literature at appropriate grade levels. Students from this class join Symphonic Band members to form the BHS Bronco Marching Band during first semester from August through October. The Bronco Marching Band performs at all the BHS home football games and local parades as a co-curricular course requirement. Additionally, concert band students will have the opportunity to elect to travel with the band on bi-annual band tours throughout the United States and abroad. Students enrolled in concert band will be exempt from PE class first semester because of marching requirements. Fee is $25 per semester.

JAZZ ENSEMBLE (102703) ............................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: audition
Course classification: 3
This course consists of group study and experience in contemporary jazz styles including Latin, swing, ballads, and funk/rock. Students will perform scales and patterns as they relate to the music and will gain at least a working knowledge of MIDI and computer music skills in improvisation, composing, and jazz music theory. Performance will include learning to improvise blues through “rhythm” changes. Much time in and out of class will be spent in critical listening to jazz recordings. Students wishing to enroll for spring semester may not register without permission of the instructor, unless they have already taken fall semester. Fee is $25 per semester.

RHYTHM MACHINE HONORS (102504) ............................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: audition
Course classification: 4
“Rithum” Machine is a jazz big band which rehearses and performs all genres of jazz, including swing, Latin, rock, funk, contemporary, and many other styles. This class is open to Freshman through Senior students, but is primarily Freshman and Sophomores. Transcriptions and live performance attendance is required each semester. Jazz Ensemble performances include local concerts as well as jazz festivals. Participation is by audition in the previous spring. Co-curricular performances are a mandatory requirement of this class. Fee is $25 per year.

BLUES AND BEYOND (102613) ............................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
This course consists of group study and experience in contemporary jazz styles including Latin, swing, ballads, and funk/rock. Students will perform scales and patterns as they relate to the music and will gain at least a working knowledge of MIDI and computer music skills in improvisation, composing, and jazz music theory. Performance will include learning to improvise blues through “rhythm” changes. Much time in and out of class will be spent in critical listening to jazz recordings. Students wishing to enroll for spring semester may not register without permission of the instructor, unless they have already taken fall semester. Fee is $25 per semester.
$15 per year.

**GRACE NOTES CHOIR (103113)** ....................................................... 1 Credit
Open to freshmen
Prerequisite: none
Course Classification: 3
Freshman Grace Notes Choir is a beginning class for students interested in learning how to sing, read music, and become part of the BHS choral program. Students in this ensemble sing in the soprano and alto registers. Fundamental singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts is mandatory. Fee is $15 per year.

**CHORALIERS CHOIR (103513)** ....................................................... 1 Credit
Open to freshmen, sophomores, juniors, and seniors.
(Choraliers H is not available to freshmen)
Prerequisite: none
Course Classification: 3 (4 by petition)
Choraliers Choir is a class for students who sing in the tenor and bass registers. Fundamental singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts is mandatory. Fee is $15 per year.

**SENIOR A' CAPPELLA (103503)** ................................................. 1 Credit
Open to juniors and seniors
Prerequisite: none
Course Classification: 3 (4 by petition)
Senior A'Capella is a mixed ensemble for students interested in learning how to sing and read music. Fundamental singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts is mandatory. Fee is $15 per year.

**INTERMEZZO CHOIR (103223)** ................................................... 1 Credit
Open to sophomores, juniors, seniors
Prerequisite: none
Course Classification: 3 (4 by petition)
Intermezzo Choir is an intermediate ensemble for students interested in developing advanced choir skills and deepening their understanding of singing and reading music. Intermediate singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts is mandatory. Fee is $15 per year.

**CHAMBER CHOIR (103403)** ....................................................... 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: audition and at least one year of BHS Choir
Course Classification: 3 (4 by petition)
Chamber Choir is an advanced mixed ensemble including soprano, alto, tenor, and bass registers. Placement in this ensemble is by audition. Advanced singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts is mandatory. Fee is $15 per year.

**BELLA VOCE (103313)** .............................................................. 1 Credit
Open to sophomores, juniors, and seniors.
Prerequisite: audition and at least one year of choir.
Course Classification: 3 (4 by petition)
Select Women's Ensemble is an advanced treble ensemble. Placement in this ensemble is by audition. Advanced singing techniques and musicianship will be emphasized through a wide variety of choral literature. This choir will perform 3 or 4 mandatory concerts (fall, holiday, mid winter, and spring) each year as well as various other opportunities to perform. Performance in the evening concerts is mandatory. Fee is $15 per year.

**ELECTRONIC MUSIC COMPOSITION (102803)** ................. ½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course Classification: 3
This course will give students experience creating music of their own, from movie trailer soundtracks to commercial jingles, from pop tunes to classical music. While no previous musical experience is necessary, students will be introduced to musical notation and basic principles of melody, harmony and rhythm. The focus is individual personal expression through the process of music composition.

**MUSIC APPRECIATION (102113)** ............................................. ½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course Classification: 3
This class is intended for the student who is interested in learning about all types of music and will include music reading, creative listening, composition, and use of current music technology. Students would not need to be musicians to enroll in this course. A fee of $15 is assessed with this course at registration.

**INTRO TO MUSIC THEORY (102003)** ..................................... ½ Credit
Open to freshmen, sophomores, juniors, seniors
Prerequisite: none
Course Classification: 3
Students who are curious about how music works, and why it sounds the way it does should take this class. The purpose of this class is to learn how to read, write, and understand written music. The emphasis will be on musical notation and beginning composition. This will include writing down music that you hear, arranging music for a different instrument, and writing original songs. Students who are interested in improving their notereading skills should take this class. Students who may consider taking AP Music Theory will find this class very helpful. While the emphasis will be on music technology and computer-based music notation, traditional music manuscript will also be used. This is a one-semester class.

**AP MUSIC THEORY (102005)** .................................................. 1 Credit
Open to juniors and seniors
Prerequisite: at least 2 years of high school performing ensemble (band, choir, orchestra, jazz) or either creative jazz or music appreciation.
Course Classification: 5
This rigorous course is intended to provide students with the experience comparable of a first-year college music theory class. The course is designed to develop both written and aural rudimentary skills of music based primarily on, but not limited to Western Art Music. These skills include: notation, analysis, sight-singing, and composition. The workbook fee is $50.
MATHEMATICS COURSES

DEPARTMENT OF MATHEMATICS & COMPUTER SCIENCE

COURSE FLOWCHART - Class of 2022, 2023

ALL level changes ( ) require a teacher recommendation, department chair approval, and additional summer work may be required.

FR

Algebra 1

SO

Geometry

JR

Algebra II

Pre-Calculus Honors

SR

Applied Math

Pre-Calculus

Geometry Honors

Algebra II/Trig

Geometry

Algebra II/Trig Honors

Algebra II/Trig

Data Modeling

Math 101

*AP Statistics

**Accelerated Pre-Calculus

Pre-Calculus

Extended Math 9 Honors

Applied Math

Pre-Calculus

SEM COURSES: Prob/Stats, Finite Math, College Algebra or Trigonometry

*AP STATISTICS may be taken after successful completion of Algebra II/Trig (grades of B or better)

**The contents of this course can potentially be fulfilled through completion of (MTH 140 and MTH200) pre-approved coursework at Harper College.

Applied Arts Computer Science Courses

Introductory Courses

Advanced Courses

Computer Programming I Animation & Game Design (One Sem)

AP Computer Science Principles

Mobile Apps Development

AP Computer Science A

Computer Programming II Robotics (One Sem)

Advanced Mobile Apps

Comp Sci Data Structures

Adv. Topics in Comp Sci
DEPARTMENT OF MATHEMATICS & COMPUTER SCIENCE FLOWCHART

Class of 2021, 2020

ALL level changes (require a teacher recommendation and department chair approval)

AP STATISTICS may be taken after successful completion of Algebra II (grades of B or better) or after completion of Algebra IIA.

AP STATISTICS can potentially be fulfilled through completion of (MTH 140 and MTH 200) pre-approved coursework at Harper College.

AP STATISTICS may be taken after successful completion of Algebra IIB (grades of B or better) or after completion of Algebra IIA.

AP STATISTICS may be taken in summer school – consult summer school catalog. Additionally, Trigonometry B can only be taken in summer school for advancement into Pre-Calculus, if Algebra IIB grades are B or better. If Algebra IIB and Trigonometry B grades are good and a student wishes to take AP Calculus AB as a senior, it is HIGHLY recommended that the student take Pre-Calculus A as a junior. Registration into Pre-Calculus A from Trigonometry B requires a teacher recommendation.
GENERAL INFORMATION

The Barrington High School Department of Mathematics & Computer Science is dedicated to developing skilled, knowledgeable, and persistent learners and risk-takers that utilize skills and technology appropriately to address meaningful problems and situations.

Upon completion of the District 220 mathematics curriculum, students should understand that:

1. Mathematics is ever-present in society and when used appropriately, along with logical reasoning and critical thinking, can help enhance the understanding of real world applications, problem solving, and life-skills.
2. The development of mathematical skills and knowledge allows us to discover the connection between different areas of mathematics and appreciate the natural sequence/progression inherent within.
3. The relevant use of appropriate technology can assist in simplifying, understanding, and making meaning of abstract concepts.
4. The teaching and learning of mathematics not only develops the tools to assist in problem solving, but the ability to decide when to work independently and when to work collaboratively, which can be instrumental in cultivating knowledge and skills.

*Course fees are subject to change for the 2019-20 school year.

***Graphing Calculator Recommendation***

We believe that students should utilize technology appropriately to help them see mathematics, data, and their world in new ways. Graphing calculators are powerful at solving problems quickly that would take a long time by hand. Barrington high school recommends that all students purchase a graphing calculator (TI-84 or similar) in order to visualize mathematics in different ways. There is a year-long rental process for students in financial need. Currently, standardized tests and AP tests only allow handheld calculators, but future digital versions of these assessments may use online calculators such as the one at DESMOS.COM that can be downloaded onto any smartphone or tablet. We recommend downloading this app as well. We will provide exposure to these different types of technology so that students can flexibly learn multiple tools to aid in their mathematics learning.

MATH COURSES

EXTENDED MATH 9 HONORS (601224) ................................................. 1 Credit
Open to freshmen
Prerequisite: successful completion of 8th grade extended math program
Course classification: 4

This class is a continuation of the mathematics developed in the Barrington Middle School extended math program. Topics to be covered in this class include logic, sets, geometry, intermediate algebra, trigonometry, vector spaces, linear transformations, groups, and fields. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

ALGEBRA I (603113) ................................................................. 1 Credit
Open to juniors and seniors
Prerequisite: Strong performance in Geometry and teacher recommendation
Course classification: 3

A full year course covering linear, exponential, and quadratic functions. Additional topics will include systems of equations, functions, graphing the number line and coordinate plane, and various application problems. Students will work collaboratively to make sense of problems and persevere in solving them.

ALGEBRA II (603113) ................................................................. 1 Credit
Open to juniors and seniors
Prerequisite: Strong performance in Geometry and teacher recommendation
Course classification: 3

The purpose of this course is to extend students’ understanding of functions and the real numbers, and to increase the tools students have for modeling the real world. They extend their notion of number to include complex numbers and see how the introduction of this set of numbers yields the solutions of polynomial equations and the Fundamental Theorem of Algebra. Students deepen their understanding of the concept of function, and apply equation-solving and function concepts to many different types of functions. The system of polynomial functions, analogous to the integers, is extended to the field of rational functions, which is analogous to the rational numbers. Students explore the relationship between exponential functions and their inverses, the logarithmic functions. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

ALGEBRA II/TRIG (603213) .......................................................... 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Strong performance in Geometry and teacher recommendation
Course classification: 3

The purpose of this course is to extend students’ understanding of functions and the real numbers, and to increase the tools students have for modeling the real world. They extend their notion of number to include complex numbers and see how the introduction of this set of numbers yields the solutions of polynomial equations and the Fundamental Theorem of Algebra. Students deepen their understanding of the concept of function, and apply equation-solving and function concepts to many different types of functions. The system of polynomial functions, analogous to the integers, is extended to the field of rational functions, which is analogous to the rational numbers. Students explore the relationship between exponential functions and their inverses, the logarithmic functions. Trigonometric functions are extended to all real numbers, and their graphs and properties are studied. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

GEOMETRY HONORS (602214) ..................................................... 1 Credit
Open to freshmen and sophomores
Prerequisite: Strong Performance in Algebra I and teacher recommendation
Course classification: 4

This is a rigorous approach to Euclidean geometry, emphasizing the logical structure of geometry, proofs and critical thinking. Multi-step problem solving is woven throughout the course. Excellence in the quality of work is expected. Algebraic aspects of coordinate geometry are included. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

GEOMETRY (602213 (FR)/602213 (SO, JR, SR)) ......................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Successful Completion of Algebra I
Course classification: 3

This course is designed to give students the skills needed to develop and promote the ability to think in multiple dimensions geometrically. This type of thinking will allow students to become better problem solvers as it enhances their ability to model situations with diagrams, reason logically, and solve problems using mathematics. The content of the course is an integration of geometry concepts, modeling, algebraic functions and solving, and using to logical thinking skills to prove and justify conjectures and conclusions. Algebraic competency is expected. In addition, the ability to apply arithmetic and algebraic skills to geometric problems will be emphasized. Freshmen will be placed in course code 602213 and Sophomores or above on course code 602113.
ALGEBRA II/TRIG HONORS (603214) ......................................................... 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Strong performance in Geometry Honors and teacher recommendation
Course classification: 4
This course includes the study of relations, algebraic manipulations, and the following function families: polynomial, rational, exponential, logarithmic, and trigonometric (their inverses and graphs, solution of right and oblique triangles, trigonometric identities and equations). Students are required to bring a TI-84 graphing calculator to class on a daily basis.

TRANSITION TO COLLEGE MATH (604113) ........................................... 1 Credit
Open to juniors or seniors
Prerequisite: Geometry, Algebra II, and teacher recommendation.
Course classification: 3
This is a course designed for juniors and seniors whose intention is to improve their math skills and their understanding of concepts in order to place into credited college math courses. The primary emphasis of the course is to strengthen, review, and extend algebraic topics. This course will also include the study of trigonometric concepts and their applications (right triangle trigonometry, equations, graphs, etc.). Students are required to bring a TI-84 graphing calculator to class on a daily basis.

APPLIED MATHEMATICS (604103) ....................................................... 1 Credit
Open to seniors
Prerequisite: Algebra I, Geometry, Algebra II, and teacher recommendation
Course classification: 3
This course is designed for college bound students that are not intending to major in mathematics in college. This course builds upon the foundations of Algebra I and Geometry and refines Algebra II topics, with specific emphasis on finance, mathematical logic, banking, savings, investments, credit, map skills, and problem solving. This course emphasizes problem solving skills and provides students with the mathematical knowledge necessary to apply Algebra I, Geometry, and Algebra II concepts to problem solving.

DATA MODELING (604123) ................................................................. 1 Credit
Open to seniors
Prerequisite: Algebra II or equivalent
Course classification: 3
The amount of data available and impacting our world continues to grow at an accelerating pace. This course explores how mathematics can be used to describe and analyze data in contextual situations and introduces ideas from the fields of probability and statistics. Students will further develop their quantitative literacy skills. Successful completion of this course will allow students to enroll in credit-bearing college mathematics courses at certain Illinois colleges and universities. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

TRIGONOMETRY B (604233) ................................................................. ½ Credit
Open to juniors and seniors
Prerequisite: Geometry, Algebra II-B, and teacher recommendation
Course classification: 3
This class is for students who have completed both Geometry and Algebra II. Topics included in this course are trigonometric functions, graphing, solutions of right and oblique triangles, trigonometric identities and equations, and applications. Students are required to bring a TI-84 graphing calculator to class on a daily basis. Students that earned grades of B or better in Algebra II-B are eligible to take Trigonometry in summer school for advancement.

COLLEGE ALGEBRA (604223) ............................................................. ½ Credit
Open to juniors and seniors
Prerequisite: Algebra II-B or Transition to College Math
Course classification: 3
This course is designed for students wishing to refine their Algebra II skills. It is both a review and a refinement of intermediate algebra competencies and includes coverage of ACT/SAT topics. Topics covered are essentially extensions and applications of earlier topics. Higher degree equations, basic probability, advanced graphing, sequences, series and binomial expansion are discussed. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

PROBABILITY AND STATISTICS (604243) ........................................ ½ Credit
Open to juniors and seniors
Prerequisite: Algebra II-B or Transition to College Math
Course classification: 3
This course includes a study of statistical analysis (measures of central tendency, variance, and standard deviation), sampling procedures, analysis and interpretation of data, and decision making on the basis of statistics. Some elementary probability will also be discussed. In many fields of study a college course in statistics is required. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

FINITE MATH (604213) ...................................................................... ½ Credit
Open to seniors
Prerequisite: Open to seniors having completed Trigonometry or Transition to College Math with grades of C or better and/or teacher recommendation.
Course classification: 3
This course is a one semester course, open to seniors, intended to expose students to topics not necessarily covered in other college preparatory math courses (i.e. Algebra, Geometry, and Trigonometry). Topics include election theory, fair division, graph theory, applications of matrices, historical problems in mathematics, and discovery-based problem solving techniques. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

AP STATISTICS (604305) ................................................................. 1 Credit
Open to juniors and seniors
Prerequisite: Algebra II-B (with grades of B or better) or Algebra II/Trig Honors, and teacher recommendation
Course classification: 5
This course will emphasize exploring data, planning a study, anticipating patterns, and statistical inference. The focus of the course is to interpret data and draw conclusions from the data. This is a hands on course rather than a theory course. The syllabus suggested by Advanced Placement will be followed. Students completing this course are expected to take the Advanced Placement Statistics Exam. Students are required to bring a TI-84 graphing calculator to class on a daily basis.

PRE-CALCULUS HONORS (604304) ................................................... 1 Credit
Open to students intending to take AP Calculus AB in the future
Prerequisite: Algebra II/Trig Honors, and teacher recommendation or Algebra II-B and Trigonometry-B, grades of A/B.
Course classification: 4
This course is strongly recommended as a prerequisite for AP Calculus AB. Students registering for this course should have an excellent command of skills and concepts of Algebra II-A and Trigonometry A with little need for review. This rigorous, honors level course, is intended for students that can handle a fast-paced and in-depth approach to mathematics. This course is intended to prepare students who wish to take AP Calculus AB the following year. Topics include functions and their graphs (sets, linear, absolute value, greatest integer, quadratic, trigonometric, polynomial, rational, exponential, and logarithmic), inverses and other relationships, mathematical modeling (data analysis), polynomials (operations, composition, binomial expansion and factoring), conic sections, polar and parametric coordinate systems, review and extension of trigonometry, and advanced algebra topics. Students are required to bring a TI-84 or TI-Nspire graphing calculator to class on a daily basis.
**PRE-CALCULUS (604303)** ................................................................. 1 Credit
Open seniors
Students having completed Algebra II/Trig Honors should refer to
Pre-Calculus Honors and Accelerated Pre-Calculus for course descriptions.
Prerequisite: Trigonometry B and Algebra II-B Semester 2 grade of C or better
Course classification: 3

Students intending to take AP Calculus AB should refer to Pre-Calculus A.

This course is recommended for students who are in need of a year-
long pre-calculus course in order to be properly prepared for future
mathematics courses. Topics include functions and their graphs (sets, linear,
absolute value, greatest integer, quadratic, trigonometric, polynomial,
rational, exponential, and logarithmic), inverses and other relationships,
mathematical modeling (data analysis), polynomials (operations,
composition, and factoring), conic sections, polar and parametric coordinate
systems, review and extension of trigonometry, and advanced algebra
topics. Students are required to bring a TI-84 graphing calculator to
class on a daily basis.

**ACCELERATED PRE-CALCULUS (604315)** ................................. 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Extended Math 9 Honors, or Geometry Honors & Algebra II/
Trig Honors, and teacher recommendation
Course classification: 5

Students registering for this course should have an excellent command
of the skills and concepts of Algebra II/Trigonometry with little need
for review. Topics will include conics, rational functions, higher degree
polynomials, trigonometry, exponents and logarithms, and advanced
graphing techniques. This course begins the sequence of study for the
Advanced Placement Examination. Students will complete their preparation
for the Advanced Placement BC Calculus Examination by taking AP Calculus
BC the following year. Students are required to bring a TI-84 graphing
calculator to class on a daily basis.
The second semester of this course begins the first of an intensive three semester college level sequence in
the calculus of functions of a single variable. Topics include the theory
of limits and of differential and integral calculus and their applications.
This course begins the sequence of study for the Advanced Placement
Examination. Students will complete coursework for preparation for the
Advanced Placement BC Calculus Examination by taking AP Calculus
BC. Students are required to bring a TI-84 or TI-Nspire graphing calculator
to class on a daily basis. The second semester of this course covers some
of the first semester curriculum of AP Calculus AB.

**AP CALCULUS AB (604405)** ...................................................... 1 Credit
Open to seniors
Prerequisite: Pre-Calculus A-H or Pre-Calculus B (with PRIOR departmental
approval and teacher recommendation)
Course classification: 5

It is highly recommended that students taking this course have completed
Pre-Calculus Honors. Students having completed Pre-Calculus might be
considered for AP Calculus AB with a teacher recommendation. This is a
college level mathematics course for students with a strong background in
prior math courses. It includes the study of limits, differential and integral
calculus with applications. It is designed to prepare students for the AP
Calculus AB exam in order to earn advanced placement credit in calculus.
Students are required to bring a TI NSpire CX CAS graphing calculator
to class on a daily basis. The first semester of this course includes some
of the curriculum from second semester Accelerated Pre-Calculus Honors.
Students who successfully complete this course are expected to take the
Advanced Placement AB Calculus exam in order to earn college credit.

**AP CALCULUS BC (604415)** ...................................................... 1 Credit
Open to juniors and seniors
Prerequisite: Accelerated Pre-Calculus A
Course classification: 5

This two semester course continues the study of Calculus that began in
Accelerated Pre-Calculus. It will cover more advanced topics such as
advanced integration, vectors and parametric equations, slope fields,
infinite and power series and elementary differential equations. Students
are required to bring a TI-84 or TI-Nspire CXCAS graphing calculator to
class on a daily basis. Students who successfully complete this course are
expected to take the Advanced Placement BC Calculus exam in order
to earn college credit.

**LINEAR ALGEBRA/**
**MULTIVARIABLE CALCULUS (6045251/6045252)** .......................... 1 Credit
Open to seniors
Prerequisite: Completion of AP Calculus BC
Course classification: 5

Students will study the major concepts from multivariable calculus and
linear algebra. The intention is to give students a strong grounding in
higher-level mathematics courses that they may take in their future college
studies. Students will be able to select future college mathematics courses
with more understanding about content and applications. Students are
required to bring a graphing calculator and will complete a teacher-
approved senior project. This course was previously titled Advanced
Senior Math Topics.

**MATH 101 (604704)** ................................................................. 1 Credit
Open to seniors
Prerequisite: Transition to College Math (C or Better) or ACT Math score of
22 or SAT Math score of 530 or Teacher Recommendation
Course Classification: 4

Quantitative Literacy develops conceptual understanding, problem-
solving, decision-making and analytic skills dealing with quantities and
their magnitudes and interrelationships, using calculators and personal
computers as tools. Includes: computing statistical measures such as
central tendency and dispersion; computing correlation coefficients and
regression equations; using normal distributions to test hypotheses; using
logical statements and arguments in a real-world context; solving systems
of equations and inequalities and modeling data; solving mathematical
finance problems; and selecting and using appropriate approaches and
tools in formulating and solving real-world problems. (Aligns to Harper
College MTH 101 - 4 credit hour; additional prerequisites may apply
to be eligible for dual credit at Harper)
**LIFE SKILLS**

**PHYSICAL EDUCATION**

**DRIVER EDUCATION**

**HEALTH EDUCATION**

**GENERAL INFORMATION**
The physical education curriculum is designed to contribute to the physical, social, emotional and mental development of students. The program is organized to put an emphasis on fitness, wellness, and the participation in lifelong activities through a healthy lifestyle. Students will be exposed to the basic components of fitness, the basic rules and strategies of team and individual sports, the components of CPR and the necessary tools to create and execute an individualized fitness plan. Classes will participate in sports activity three days a week and two days a week will be set aside to address and improve personal fitness levels for each student. Students will also be educated and certified in CPR.

*Course fees are subject to change for the 2019-20 school year.

**BLENDED LEARNING**

The Life Skills Department is proud to offer several courses in a blended format. Blended learning is an instructional strategy that gives students shared ownership in the time, pace, path, or place of their learning. This initiative combines in-class student-centered learning strategies with occasional release from the classroom environment. Most courses offered in the blended format use release time as needed to allow for small group and individualized instruction. Students who are released participate in independent and small group work in supervised but less structured environments such as the library or commons. Blended offerings make the benefit each student's personal health and well-being will be emphasized, along with their relationship to an individual's everyday life. Students will also be trained and have the opportunity to earn their CPR certification. The students will be trained in AHA CPR.

**INTRODUCTION TO WEIGHT TRAINING (902119) ...................... 1/4 credit**
Open to sophomores
Prerequisite: None
Course Classification: 3
This course is designed for students who want an introduction to strength and conditioning. Students will be trained in a variety of methods including free weights, machine weights, plyometric, proper technique, spotting, and proper etiquette. Students will learn general weight training concepts and programs focused on the 5 components of fitness. The students will be trained and certified in CPR. The students will be trained in AHA CPR.

**INTRODUCTION TO DANCE (901209) ............................................. 1/4 credit**
Open to sophomores
Prerequisite: None
Course Classification: 3
This course is designed for students who want an introduction to dance that will give them the opportunity to experience a wide variety of genres. Students will be trained in the basics of ballet, modern and jazz dance. Emphasis will be placed on proper alignment to ensure efficient and anatomically correct movement. Students will also experience established movement and fitness trends such as Pilates and yoga, along with guest artist experiences appropriate to their level. Emphasis on how dance will the benefit each student's personal health and well-being will be emphasized, along with their relationship to an individual's everyday life. Students will also be trained and have the opportunity to earn their CPR certification. The students will be trained in AHA CPR.

**FRESHMEN CO-ED PE (901109) ......................... 1/4 credit**
Open to freshmen (901109)
Prerequisite: None
Course Classification: 3
This course is designed for freshmen students. Freshmen physical education is designed to introduce students to various team and individual sports offered at Barrington High School. Students will be trained in such sports as volleyball, basketball, football, soccer, track, cross country, softball, baseball, swimming and lacrosse. Classes will emphasize the students participation in these sports as well as student understanding of basic definitions, skill related components, rules, strategies and concepts. Students will be assessed both on physical participation and written tests. Students will also improve their own levels of cardiovascular fitness, muscular strength, muscular endurance, flexibility and body composition through fitness assessment and training ongoing throughout the semester.

**SOPHOMORE PHYSICAL EDUCATION (902109) ....................... 1/4 credit**
Open to sophomores
Prerequisite: None
Course Classification: 3
This course is designed to expose sophomore students to team and individual sports not covered freshmen year. Instruction will focus on strategies, concepts, rules definitions and skill related components as they pertain to each sport. The central focus of sophomore PE will be for students to design and implement an IFP (individual fitness plan) and assess their progress during the semester. The students will be trained and certified in AHA CPR. Students will be assessed both on physical participation and written tests. Finally, students will also improve their own levels of cardiovascular fitness, muscular strength, muscular endurance, flexibility and body composition through fitness assessment and training ongoing throughout the semester. Students choosing to take the blended option with Sophomore PE will be required to pay a fee of $120.00. Those students will be given a brand new Fitbit HR3. This will be their watch to maintain and keep. It is necessary for the curriculum taught and for enrollment in Blended Sophomore PE.

**SENIOR LEADERS H (904104) .................................................. ½ Credit**
Open to seniors
Prerequisite: Junior Leadership (903104)
Course Classification: 4
This is a year long honors level course for juniors in physical education. Students will spend the year in training developing leadership skills, learning team initiatives, rules and regulations for individual sports, team sports, and fitness components. They will be sent out twice a year to shadow senior leaders teaching in the P.E. classes to prepare them for the Senior Leadership course where they will be actually involved in a teaching practicum.

**JUNIOR LEADERS H (903104) .................................................. ½ Credit**
Open to juniors
Prerequisite: student application and department recommendation
Course Classification: 4
This is a year long honors level course for juniors in physical education. Students will spend the year in training developing leadership skills, learning team initiatives, rules and regulations for individual sports, team sports, and fitness components. They will be sent out twice a year to shadow senior leaders teaching in the P.E. classes to prepare them for the Senior Leadership course where they will be actually involved in a teaching practicum.

**WWW.BARRINGTON220.ORG/BHS Revised 12/2018**
Students will monitor their progress by the evaluation of their fitness plans on the five components of fitness and general weight training concepts. Students will create and maintain an individualized fitness plan centered on circuit training, core fit exercises, resistance and cardiovascular training.

This course is designed for students who want to improve their own levels of cardiovascular fitness, muscular strength, muscular endurance, flexibility and body composition through fitness assessment and training ongoing throughout the semester.

**ADVENTURE P.E. (904109) ......................................................... 1/4 Credit**

Open to juniors and seniors
Prerequisite: None
Course classification: 3

Adventure P.E. is offered as a semester course for students interested in a unique Physical Education program that is both physically and mentally challenging. Techniques are taught in class to prepare students for field trips to indoor climbing walls, outdoor high ropes courses, as well as canoeing trips. Students may only take one semester of this course. A $60 field trip fee is required.

**DANCE I AND MOVEMENT STUDIES (903209) ........................................ 1/4 Credit**

Open to juniors and seniors, Coed
Prerequisite: None
Course classification: 3

This yearlong course introduces students to elements of choreography, performance, composition, anatomy, movement studies (yoga, Pilates, wellness themes), guest artist experiences, dance history and criticism. This course emphasizes increased flexibility, concentration, coordination and musicality through the study of ballet, modern, jazz and other dance forms. Athletes and actors are encouraged to enroll. A variety of performance and creative assessments are required. This course will fulfill a PE requirement and may be repeated for PE credit.

**DANCE II AND MOVEMENT STUDIES (904209) ........................................ 1/4 Credit**

Open to juniors and seniors, Coed
Prerequisite: Sequential and consent of instructor
Course classification: 3

This yearlong course is designed for students who have completed Beginning Dance & Movement Studies. Students are guided and challenged to develop greater proficiency regarding elements of choreography, performance, composition, anatomy, movement studies (yoga, Pilates, wellness themes), guest artist experiences, dance history and criticism. This course emphasizes increased flexibility, concentration, coordination and musicality through the study of ballet, modern, jazz and other dance forms. Athletes and actors are encouraged to enroll. A variety of performance and creative assessments are required. This course will fulfill a PE requirement and may be repeated for PE credit.

**DANCE III AND MOVEMENT STUDIES (905209) ........................................ 1/4 Credit**

Open to juniors and seniors, Coed
Prerequisite: Sequential and consent of instructor
Course classification: 3

Orchesis members are encouraged to enroll in this class. This yearlong course is a highly challenging culmination of all facets of the art form. Students are guided and challenged to develop greater proficiency regarding elements of choreography, performance, composition, anatomy, movement studies (yoga, Pilates, wellness themes), guest artist experiences, dance history and criticism at an accelerated pace. This course emphasizes increased flexibility, concentration, coordination and musicality through the study of ballet, modern, jazz and other dance forms. A variety of performance and creative assessments are required. This course will fulfill a PE requirement and may be repeated for PE credit.

**DRIVER EDUCATION (902209) ......................................................... 1/4 Credit**

Open to freshmen, sophomores, juniors and seniors
Course classification: 3

Thirty clock hours of classroom instruction, six clock hours of behind the wheel instruction and fifty hours of parental supervised driving are required by state law. Students may sign up for Driver Education at the age of 15 and are enrolled in the course on an age priority basis. This course takes place during the regular school day. A $350 driving fee is required. Paying the fee does not guarantee placement in the class.
SCIENCE COURSES

GENERAL INFORMATION

The Barrington High School Science Department offers a broad, comprehensive selection of courses in the physical, biological, earth sciences, and domains that are designed to meet the academic and career needs and interests of the high school students of this community. The main goals of the BHS science program are to prepare our students for future activities in a technologically sophisticated work force, nurture positive attitudes in students toward science, and prepare a scientifically informed citizenry for the challenges of tomorrow. We feel that these goals are best met by providing an encouraging environment rich in opportunities to discover and experience the order of our universe.

*Course fees are subject to change for the 2019-20 school year.

All students are required to earn at least 1 credit in a life science course and 1 credit in a physical science course for graduation from Barrington High School. Science coursework completed prior to the beginning of high school may not be applied towards the fulfillment of this requirement. This booklet lists course descriptions and classifications, prerequisites, and other pertinent information useful to students planning their high school science experiences. Any questions regarding course sequencing, content, or college entrance requirements should be addressed to the school counselor, science teacher or the science department head.

ADVANCED PLACEMENT COURSES

The Advanced Placement program in science is designed to provide students with the equivalent of first-year college level science courses. Qualified students may select from the following courses: AP Biology, AP Environmental Science, AP Chemistry, AP Physics-C, AP Physics-1, or AP Physics-2. With the exception of AP Environmental Science, AP Physics-1 and AP Physics-2, the above classes will meet two (2) consecutive periods per day and upon satisfactory completion of the course, students will earn two AP credits. AP Environmental Science, AP Physics-1 and AP Physics-2 will meet only one period per day and earn one AP credit. It is the prerogative of the student’s college of choice to determine the advanced placement credit, if any, that the student will receive on the basis of their test score.

BLENDED LEARNING

The science department is proud to offer several courses in a blended format. Blended learning is an instructional strategy that gives students shared ownership in the time, pace, path, or place of their learning. This initiative combines in-class student-centered learning strategies with occasional release from the classroom environment. Most course offered in the blended format use release time as needed to allow for small group and individualized instruction. Students who are released participate in independent and small group work in supervised but less structured environments such as the library or commons. Blended offerings for younger students are more structured and have less release time than those offered to upper level students who are preparing for the rigors and independence of college. Check individual course offerings and talk to your counselor to find the blended offerings best suited for you.
**COURSES**

**AP BIOLOGY (804405)** ............................................................... 2 Credits
Open to juniors and seniors or department head approval
Prerequisite: Completion of Chemistry-H with grades of B or better for both semesters or department head approval.
Course classification: 5

The course covers topics similar to those presented in a first year college biology course. The first semester concentrates on such molecular topics as organic chemistry, biochemistry, cell structure and function, molecular transport processes, enzymes, bioenergetics, protein synthesis, and heredity. The second semester concentrates on methods of scientific investigation in the context of such topics as plant structure and function, animal nutrition and digestion, gas exchange and transport, defense mechanisms, coordination and control in animals, and the ecology of organisms and populations. The course is recommended for those with an interest in biology and planning further study in biology and related health sciences. Sophomores enrolled in the District’s Extended Science Program may take this course with department head approval. Dissection is part of this elective course and those students not wishing to participate in dissection should refrain from enrolling in this elective class.

**ENVIRONMENTAL SCIENCE HONORS (804324)** ....................1 Credit
Open to juniors and seniors
Prerequisite: Completion of Biology and Chemistry with grades of B or better for all semesters or department head approval.
Course classification: 4

Environmental Science examines the delicate interrelationships comprising our natural world. Using interdisciplinary models drawn from ecology, biology, geology, geography and earth science, this course will introduce students to the scientific principles, concepts and methodologies used to identify and analyze environmental issues. Students will be asked to work cooperatively and collaboratively to pose thoughtful solutions to potential problems. Students will use the problem based format, case studies, class discussion, and research to critically think about the world we live in. This course can be used to fulfill science graduation requirements for life science. Upon successful completion of this course, students will have the opportunity to receive 3 hours of Harper transcripted credit for BIO103.

*Movement from Standard Curriculum to AP Curriculum is possible as long as the prerequisite math requirements are met. Please see course guide for further information.*
AP ENVIRONMENTAL SCIENCE (804525) ....................................................... 1 Credit
Open to juniors and seniors
Prerequisite: completion of Chemistry-H with grades of B or better for both semesters or department head approval.
Course Classification: 5
The goal of AP Environmental Science course is to provide students with an understanding of scientific principles and methodologies required to understand interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing these problems. In addition to the level and the pace, this course will differ from Honors Environmental Science with the inclusion of a lab/field component of the course. This course can be used to fulfill science graduation requirements for life science.

HUMAN BIOLOGY HONORS (804404) ......................................................... 1 Credit
Blended option available
Open to sophomores, juniors and seniors
Prerequisite: completion of Biology and Chemistry with grades of B or better for all semesters or department head approval.
Course Classification: 4
Honors Human Biology is a year-long science course for students interested in learning about the anatomy and physiology of the human body. Students in this course are interested in pursuing health-related careers and this is potentially their first experience with the content needed for success in these fields. The course emphasizes how the body demonstrates complementarity, interconnectedness and maintains homeostasis within the 11 different body systems. Students are expected to learn through laboratory investigations, class discussion, individual projects, and reading assignments. This course can be used to fulfill science graduation requirements for life science. Dissection is part of this elective course and those students not wishing to participate in dissection should refrain from enrolling in this elective course. All sections of this course feature the blended learning model which includes occasional self-structured release time.

BIOLOGY (801203) .................................................................................. 1 Credit
Blended option available
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course Classification: 3
This course meets the life science requirement for graduation. This is an introductory course which introduces the student to the major concepts in biology. Ecology, cell biology, heredity, evolution, diversity of plants and animals, animal behavior and human values in science are the major concepts examined. The course uses laboratory investigations, discussions, lectures, reading, special assignments and homework, both on the individual and cooperative levels, as ways to learn these concepts.

HORTICULTURE SCIENCE (804203) ......................................................... 1 Credit
Open to juniors and seniors (sophomores with department head approval)
Prerequisite: completion of Biology
Course Classification: 3 or 4
Introduction to Horticulture Science orient the student to the various areas of applied biology, especially horticulture, agricultural or natural resources. The student learns by actually working in the greenhouse, classroom and community. Areas that will be investigated include botany, plant growth, soils and fertilizers, plant propagation, the use of plants at the holiday seasons, and the naming, planting and caring for trees and shrubs. This course cannot be used to fulfill science graduation requirements. Fee is $30 per semester. Upon successful completion of this course, students will have the opportunity to receive 3 hours of College of Lake County transcripted credit in science.

AP CHEMISTRY (802205) ................................................................. 2 Credits
Open to sophomores, juniors and seniors.
Prerequisite: completion of Chemistry-H with grades of B or better for both semesters and a grade of B or better for both semesters in an HONORS math class or department head approval
Course Classification: 5
The content of this course is based on the syllabus suggested by the committee of the Advanced Placement Program. The course content includes structures of solids, states of matter, reactions and descriptive chemistry, including organic chemistry and chemical calculations. Much of this course is devoted to laboratory exercises. This experience familiarizes the student with lab techniques as well as discovery of chemical properties. This course is recommended for students continuing in a science-related field. A workbook fee of $14 is assessed with this course at registration.

AP ENVIRONMENTAL SCIENCE (804525) ....................................................... 1 Credit
Open to juniors and seniors
Prerequisite: Chemistry-H, Physics-H and Algebra II/Trig with grades of B or better for both semesters or department head approval.
Course Classification: 5
The goal of AP Environmental Science course is to provide students with an understanding of scientific principles and methodologies required to understand interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing these problems. In addition to the level and the pace, this course will differ from Honors Environmental Science with the inclusion of a lab/field component of the course. This course can be used to fulfill science graduation requirements for life science.

HUMAN BIOLOGY HONORS (804404) ......................................................... 1 Credit
Blended option available
Open to sophomores, juniors and seniors
Prerequisite: completion of Biology and Chemistry with grades of B or better for all semesters or department head approval.
Course Classification: 4
Honors Human Biology is a year-long science course for students interested in learning about the anatomy and physiology of the human body. Students in this course are interested in pursuing health-related careers and this is potentially their first experience with the content needed for success in these fields. The course emphasizes how the body demonstrates complementarity, interconnectedness and maintains homeostasis within the 11 different body systems. Students are expected to learn through laboratory investigations, class discussion, individual projects, and reading assignments. This course can be used to fulfill science graduation requirements for life science. Dissection is part of this elective course and those students not wishing to participate in dissection should refrain from enrolling in this elective course. All sections of this course feature the blended learning model which includes occasional self-structured release time.

BIOLOGY (801203) .................................................................................. 1 Credit
Blended option available
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course Classification: 3
This course meets the life science requirement for graduation. This is an introductory course which introduces the student to the major concepts in biology. Ecology, cell biology, heredity, evolution, diversity of plants and animals, animal behavior and human values in science are the major concepts examined. The course uses laboratory investigations, discussions, lectures, reading, special assignments and homework, both on the individual and cooperative levels, as ways to learn these concepts.

HORTICULTURE SCIENCE (804203) ......................................................... 1 Credit
Open to juniors and seniors (sophomores with department head approval)
Prerequisite: completion of Biology
Course Classification: 3 or 4
Introduction to Horticulture Science orient the student to the various areas of applied biology, especially horticulture, agricultural or natural resources. The student learns by actually working in the greenhouse, classroom and community. Areas that will be investigated include botany, plant growth, soils and fertilizers, plant propagation, the use of plants at the holiday seasons, and the naming, planting and caring for trees and shrubs. This course cannot be used to fulfill science graduation requirements. Fee is $30 per semester. Upon successful completion of this course, students will have the opportunity to receive 3 hours of College of Lake County transcripted credit in science.

AP CHEMISTRY (802205) ................................................................. 2 Credits
Open to sophomores, juniors and seniors.
Prerequisite: completion of Chemistry-H with grades of B or better for both semesters and a grade of B or better for both semesters in an HONORS math class or department head approval
Course Classification: 5
The content of this course is based on the syllabus suggested by the committee of the Advanced Placement Program. The course content includes structures of solids, states of matter, reactions and descriptive chemistry, including organic chemistry and chemical calculations. Much of this course is devoted to laboratory exercises. This experience familiarizes the student with lab techniques as well as discovery of chemical properties. This course is recommended for students continuing in a science-related field. A workbook fee of $14 is assessed with this course at registration.

CHEMISTRY HONORS (802204) ................................................................. 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: earned a grade of A in a Mathematics course (grade of B if HONORS) for both semesters or department head approval
Course Classification: 4
This honors level course provides the basics of chemistry and is recommended for any student who is planning to enter science or a science related field. Using an experimental approach, students will learn to interpret laboratory data and arrive at logical conclusions. During the first semester, a sequential foundation is presented that will be used for the remainder of the course. Topics include the nature and properties of matter, atomic theory, the mole concept, and chemical periodicity. During the second semester, these principles are applied to energy, bonding, and the characteristics of chemical reactions. An examination of qualitative chemistry is also included. It is highly recommended that the student have the equivalent of second year math or be enrolled in such. Freshmen enrolled in the District’s Extended Science Program may take this course with department head approval.

CHEMISTRY (802203) ........................................................................... 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: one year of science and one year of math, strong algebra skills recommended
Course Classification: 3
This course is designed to help students realize the important roles that chemistry plays in their personal lives, use chemistry knowledge to think through and make informed decisions about issues involving science and technology, and develop a lifelong awareness of the potential and limitations of science and technology. Areas of study include atomic theory, periodicity, bonding, nomenclature, the mole concept, balancing equations, acids and bases, redox, organic chemistry, descriptive chemistry along with associated lab activities.

AP PHYSICS - C (804515) ................................................................. 2 Credits
Open to seniors
Prerequisite: Completion or concurrent enrollment in AP Calculus BC
Course Classification: 5
This course is comparable to any first year college physics course. A thorough study of mechanics and electromagnetic phenomenon is undertaken following a review of basic principles. Most concepts are studied through experimentation and demonstration. AP Physics-C will meet 2 consecutive class periods per day. It is highly recommended for students intending to pursue a career in engineering or a physics-related field. Students who enroll in this full-year course will be prepared to take both the AP Physics C Mechanics and the AP Physics C Electricity and Magnetism exams in May.
**AP PHYSICS 1: ALGEBRA-BASED (803505)** .................................1 Credit
Open to sophomores, juniors and seniors
Prerequisites: B or better in Algebra II/Trig Honors for both semesters or A in Algebra II/Trig or department head approval
Course classification: 5
This course is the equivalent of a first-semester college course in algebra-based physics, but designed to be taught over a full academic year to enable AP students to develop deep understanding of the content and to focus on applying their knowledge through inquiry labs. The full year also allows time for inclusion of physics content specified by state standards. The course covers Newtonian mechanics (including rational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It also introduces electric circuits. An essential component of the course is the inclusion of science practices that will allow students to develop and apply their physics knowledge through scientific inquiry and reasoning.

**AP PHYSICS 2: ALGEBRA-BASED (803515)** .................................1 Credit
Open to juniors and seniors
Prerequisites: B or better in AP Physics-1 for both semesters or Department Head approval
Course classification: 5
This course is the equivalent of a second-semester college course in algebra-based physics, but designed to be taught over a full academic year to enable AP students to develop deep understanding of the content and to focus on applying their knowledge through inquiry labs. The full year also allows time for inclusion of physics content specified by state standards. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. An essential component of the course is the inclusion of science practices that will allow students to develop and apply their physics knowledge through scientific inquiry and reasoning.

**PHYSICS (803203)** ........................................................................1 Credit
Open to sophomores, juniors and seniors
Prerequisite: C or better in Geometry for both semesters
Course classification: 3
Physics is a basic natural science that attempts to describe, and provide an understanding of our universe. This course introduces the liberal arts student to the concepts and principles of physics through experimentation, demonstrations, and problem solving. The topics covered include measurement, thermodynamics, wave phenomena, light, sound, motion, energy, and electricity and magnetism.

**PHYSICS HONORS (803204)** .........................................................1 Credit
Open to sophomores, juniors and seniors
Prerequisite: B or better in Chemistry and Algebra II for both semesters or department head approval
Course classification: 4
This is an honors level course that provides students an opportunity to analyze and experiment with the laws of physics that we experience every day. Students will apply their understanding of algebra and trigonometry to complex problems in physics to investigate Newton’s Laws, light and sound, energy and momentum, work, power and electrical circuits. An essential component of the course is the focus on scientific inquiry and requires students to challenge their ability to develop scientific understanding through experimentation and data analysis.

**ADVANCED EARTH SCIENCE (803603)**
**ADVANCED EARTH SCIENCE H (803604)** .......................................1 Credit
Blended option available
Open to juniors and seniors
Prerequisite: Completion of Biology and Chemistry or Physics with grades of C or better for all semesters
Course Classification: 3 or 4
This course meets a physical science requirement for graduation. It is an all encompassing course that would include topics about the Earth and its place in the universe. Students will use an investigative approach to discover the processes regarding the formation, evolution, and workings of the Earth, the solar system and the universe. Analytical skills will be used to explore the history of the Earth and the processes that continue to shape the planet today. This course will also examine the interdependencies between humans and the earth systems, allowing them to apply this knowledge to solve industrial and societal problems. Students will be expected to demonstrate proficiency in developing and interpreting data, using mathematical and computational thinking, constructing detailed explanations, engaging in arguments, developing models and designing solutions.
Department of Social Studies

Grade 9
- Global Studies
- Global Studies H
- AP World History

Grade 10
- AP US History
- US History
- AP Human Geography
- World Geopolitics
- Living Law*
- 21st Cent. Issues*

Grades 11/12
- AP US History (11)
- AP Psychology
- AP European History
- AP US Government and Politics *
- Latin American Studies *
- Civics *
- AP Micro Economics *
- Gender Studies *
- Psychology *
- 21st Century Issues *
- AP Comparative Politics *
- Advanced Topics in US History *
- Economics *
- AP Macro Economics *
- Living Law *
- Sociology *

Courses with an asterisk (*) are semester long courses.
GENERAL INFORMATION
The Barrington High School Social Studies Department offers a broad, comprehensive, selection of courses in the social sciences. It is our goal to develop skilled, knowledgeable, and concerned citizens of the community, nation, and world. We want our students to ask questions, gain content understanding, conduct research, and take action. Our curriculum provides students with the knowledge, skills and understanding to become a better student, a better leader and a better citizen. The courses offered and the course sequence allow and encourage students to explore multiple areas within social studies with the hope that they will uncover areas of interest and aptitude. Courses in social studies are offered at multiple levels to challenge students of varying interest and ability. Students are required to take a minimum of 2 ½ credits of social studies for graduation. Of these credits, one must be in Global Studies at the freshman level, one must be in U.S. History, which can be taken during sophomore or junior year, and one-half credit must be earned in Civics, which can be taken during either junior or senior year. Guidelines for selections are listed below. College bound students are recommended to earn at least three credits in social studies. Those wishing to fulfill the Civics requirement can complete the Advanced Placement Government course.

*Course fees are subject to change for the 2019-20 school year.

ADVANCED PLACEMENT PROGRAM
The Advanced Placement program in social studies is a comprehensive college level program available to all students at any part of their social studies education at Barrington High School. This program offers a rigorous and demanding curriculum and prepares students for college-level experiences while also preparing them to take and pass the Advanced Placement exam in several areas of social studies. Prospective students are encouraged to check with their counselor and investigate their college choices before deciding to take an Advanced Placement course. Advanced Placement classes are offered in: World History, Human Geography, European History, Economics, U.S. History, Psychology, and Government. All students are eligible to take Advanced Placement classes in social studies with Department Chair approval needed in certain situations.

BLENDED LEARNING
The social studies department is proud to offer several courses in a blended format. Blended learning is an instructional strategy that gives students shared ownership in the time, pace, path, or place of their learning. This initiative combines in-class student-centered learning strategies with occasional release from the classroom environment. Most course offered in the blended format use release time as needed to allow for small group and individualized instruction. Students who are released participate in independent and small group work in supervised but less structured environments such as the library or commons. Blended offerings for younger students are more structured and have less release time than those offered to upper level students who are preparing for the rigors and independence of college. Check individual course offerings and talk to your counselor to find the blended offerings best suited for you.

SOCIAL STUDIES COURSES

GLOBAL STUDIES HONORS (701204).....................................................1 Credit
Open to freshmen
Prerequisite: A or B in 8th grade History and teacher recommendation
Course classification: 4
Global Studies, a required two-semester course, encompasses the study of World History from prehistory to the 21st Century, including economics, geography and government. This course will provide background for further in-depth study in the social studies disciplines. This course will provide a stimulating educational environment in which students do extensive reading, writing and research. It is open to strongly motivated, serious students.

GLOBAL STUDIES (701203)..................................................................... 1 Credit
Blended option available
Open to freshmen
Prerequisite: none
Course classification: 3
Global Studies, a required two-semester course, encompasses the study of World History from prehistory to the 21st Century, including economics, geography and government. This course will emphasize reading, writing and reasoning skills utilizing primary and secondary sources. The course will provide background for further in-depth study in the social studies disciplines.

AP WORLD HISTORY (701105)..........................................................1 Credit
Open to freshmen
Prerequisite: Teacher recommendation
Course Classification: 5
AP World History meets the graduation requirement for global studies. The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. This course will provide a stimulating educational environment in which students do extensive reading, writing and research. It is open to strongly motivated, serious students.

TWENTY-FIRST CENTURY ISSUES (702203)
TWENTY-FIRST CENTURY ISSUES H (702204).................................1½ Credit
Blended option available
Open to sophomores, juniors, and seniors
Prerequisite: Global Studies
Course Classification: 3 or 4
This is a one semester course where students analyze current issues from a historical, political, economic and geographical perspective. Emphasis will be on the regions of Africa, Middle East, Asia and Latin America. The course is offered both semesters. Students may sign up for first or second semester. May be taken for average or honors credit.

THE LIVING LAW (702403).................................................................... 1 Credit
THE LIVING LAW H (702404).............................................................. ½ Credit
Blended option available
Open to sophomores, juniors and seniors
Prerequisite: none
Course Classification: 3 or 4
Welcome to law school. Living Law is an introductory law course set up to understand law and its effects on our personal lives. Students will study our judicial system, crimes, criminal procedure, and the corrections system. Students will learn trial procedure and the steps in how to prepare for trial. Students will bring everything together with trial advocacy and a mock trial that will be conducted in class. Students may take this course for average or honors credit.

WORLD GEOPOLITICS (702603)..........................................................1 Credit
Open to sophomores
Prerequisite: None
Course Classification: 3
This is a sophomore level course designed to enhance students' understanding of the relationship between politics and territory. Students will strengthen their reading and writing skills through the use of thematic concepts from a modern historical perspective. Students will focus on the underdeveloped and developing regions of the world, what factors separate the two, and how the emergence of new countries on the global stage is impacting the United States. Additional areas of study include a.
thematic approach that exposes students to introductory political theory, and how countries exert their power and influence throughout the world. Students will apply these concepts and demonstrate their understanding through a series of discussions, essays, and summative course projects.

AP EUROPEAN HISTORY (704605) ........................................... 1 Credit
Open to juniors and seniors
Prerequisite: Successful completion of a previous social studies course
Course Classification 5
Advanced Placement European History is an Advanced Placement elective course for those students who are well motivated and capable of achieving success in a rigorous academic environment. The approach in the class is generally based on the seminar and the Socratic discussion. Students read extensively from standard college texts, as well as primary historical sources and documents. The principle means of evaluation is the history essay and quarterly portfolios. Interest in history, motivation to succeed, as well as strong reading and writing skills are the chief requirements for success in AP European History. The goals of AP European History are 1) to survey the development of European History and Western Civilization from approximately 1350 to Present; 2) to develop skills in critical thinking, research, and expository essay writing; 3) to prepare for the Advanced Placement examination in European History, which is offered annually in May.

AP U.S. HISTORY (703105) ....................................................... 1 Credit
Open to sophomores and juniors
Prerequisite: Successful completion of a previous AP social studies course, an A or B in a social studies honors course, or an A in an average level course with Dept. Chair recommendation.
Course Classification 5
This course is intended to provide students with a rigorous survey of American History from colonization through contemporary America with a focus on the themes and concepts that have defined our way of life. Students will study the constitution with a required test. Completion of both semesters of this course fulfills the one year requirement in U.S. History. Because students have the opportunity to take the Advanced Placement examination in May, this course will closely follow Advanced Placement Curriculum. Due to the volume of content and the rapid pace, reading from the first unit will be offered in the summer. Students are strongly encouraged to complete this reading prior to the start of school.

U.S. HISTORY (703203) .............................................................. 1 Credit
Blended option available
Open to sophomores and juniors
Prerequisite: none
Course classification: 3
This one year course is intended to provide students with a survey of American History from colonization through contemporary America and how countries exert their power and influence throughout the world. Students will apply these concepts and demonstrate their understanding through a series of discussions, essays, and summative course projects.

ADVANCED TOPICS IN US HISTORY (703303)
ADVANCED TOPICS IN US HISTORY H (703304) ..................... ½ Credit
Blended option available
Open to juniors and seniors
Prerequisite: Completion of U.S. History
Course Classification: 3 or 4
This course offers students a deeper view of selected topics across the spectrum of American history from 1776 to the present. Students will focus on important themes in the development of the American society and also look closely at prominent institutions, movements and people of those eras. The thorough review will allow for students to make connections to the present day and learn about the impact on the U.S. in the modern day. The class will also focus on cultural aspects of the American society from literature, music, art, political thought, etc.

ECONOMICS (704503) .......................................................... ½ Credit
Open to juniors and seniors
Prerequisite: none
Course classification: 3
Economics includes consideration of the following topics: attempts to reconcile unlimited wants with limited resources, the factors of production, the roles of competition, business and government in society, supply and demand, study of the stock market, production, comparative economic systems, and the role of the consumer in the U.S. economy. This course lays a foundation in economic terminology and thought which gives students a good base for further study while providing a basic understanding for those not so inclined. This course satisfies the consumer education requirement.

AP MICROECONOMICS (704515) ............................................. ½ Credit
Blended option available
Open to juniors and seniors
Prerequisite: Successful completion of a previous social studies course
Course Classification 5
The study of AP Microeconomics requires students to understand that, in any economy, the existence of limited resources along with unlimited wants results in the need to make choices. The course begins by introducing the concepts of opportunity costs and trade-offs, and illustrates these concepts by using the production possibilities curve or other analytical examples. The course can then proceed to a consideration of how different types of economics determine which goods and services to produce, how to produce them, and to whom to distribute them. It is also important that students understand why and how specialization and exchange increase the total output of goods and services. Students need to be able to differentiate between absolute and comparative advantage, to identify comparative advantage from differences in opportunity costs, and to apply the concept of comparative advantage, in order to determine the basis under which mutually advantageous trade can take place between countries. Specific examples from actual economic situations can be used to illustrate and reinforce the principles involved. The importance of property rights, the role of incentives in the functioning of free markets, and the principle of marginal analysis should be highlighted.

AP MACROECONOMICS (704525) ............................................. ½ Credit
Blended option available
Open to juniors and seniors
Prerequisite: Successful completion of a previous social studies course
Course Classification 5
The AP Microeconomics course introduces students to fundamental economic concepts such as scarcity and opportunity costs. Students will understand the distinction between absolute and comparative advantage, and apply the principle of comparative advantage to determine the basis on which mutually advantageous trade can take place between individuals and/or countries, and to identify comparative advantage from differences in opportunity costs. Other basic concepts that are explored include the functions performed by an economic system, and the way the tools of supply and demand are used to analyze the workings of a free market economy. The course will also introduce the concept of the dynamics of unemployment, inflation, and economic growth. Coverage of these concepts provides students with the foundation for a thorough understanding of macroeconomic concepts and issues.

CIVICS (706003) ................................................................. ½ Credit
Open to juniors and seniors
Prerequisite: Successful completion of Global Studies or AP World History
Course Classification 3
Through the activities in this course, students will develop stronger civic awareness and a more complete social understanding as they become contributing members in society. Students will study the structures of American government, discuss current and controversial issues, engage in government-related simulations, and participate in service learning.
Content areas include the Constitution, service learning, voting, law making, and participation in a representative democracy. Students must successfully complete the U.S. Constitution Test as part of the Civics curriculum. This course satisfies the Illinois civics requirement of one semester of government.

AP U.S. GOVERNMENT & POLITICS (704315) ...........................................½ Credit
Open to juniors and seniors
Prerequisite: Successful completion of a previous social studies course
Course Classification 5
AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. Students must successfully complete the U.S. Constitution Test as part of the AP U.S. Government curriculum. In addition, they will complete political science research and engage in service learning activities. Completion of this one-semester course fulfills the Civics requirement at BHS.

AP COMPARATIVE GOVERNMENT & POLITICS (704325) .......½ Credit
Open to juniors and seniors
Prerequisite: Successful completion of either Civics or AP U.S. Government and Politics
Course Classification 5
AP Comparative Government and Politics introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures; policies; and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues. In addition, they will complete political science research and engage in service learning activities.

PSYCHOLOGY I (704103) .................................................................½ Credit
Blended option available
Open to juniors and seniors
Prerequisite: none
Course classification: 3
This one semester elective in Psychology introduces the student to the basic concepts in the study of modern psychology. Topics covered include current trends in psychology as a science, extra-sensory perception, how behavior is conditioned in man and animals, how man learns, important influences on the development of children, theories of personality, mental health and illness. The course emphasizes classroom discussions of current research in the above topics through textbook material and outside readings. Demonstrations, experiments and projects are available, in and out of class, throughout the semester. A student completing Psychology I will be prepared for the material presented in most Introductory Psychology courses at the college level.

AP PSYCHOLOGY (704215) .................................................................1 Credit
Blended option available
Open to juniors and seniors
Prerequisite: Successful completion of previous social studies course.
Course classification: 5
The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Students will develop their analytical skills through use of readings, writing of essays, and independent research. Topics covered will include biological bases of behavior, motivation and emotion, developmental psychology, personality, and abnormal psychology. This course will prepare students for the Advanced Placement Examination of the College Board.

SOCIOLOGY (704403) ...............................................................½ Credit
SOCIOLOGY H (704404) 
Blended option available
Open to juniors and seniors
Prerequisite: none
Course classification: 3 or 4
This is a semester course which focuses on the study of human inter-relationships, analysis of culture and social problems. Topics would include the early theories, the scientific method, culture socialization social stratification, deviance, social institutions, social change and problems.

AP HUMAN GEOGRAPHY (702505) ..................................................1 Credit
Blended option available
Open to sophomores, juniors, and seniors
Prerequisite: Successful completion of a previous social studies course
Course Classification 5
The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The students will be prepared to take the Advanced Placement test in Human Geography. Students should be able to read the required college level text and write at an advanced placement level.

LATIN AMERICAN STUDIES (704703)
LATIN AMERICAN STUDIES H (704704) ...........................................½ Credit
Blended option available
Open to juniors and seniors
Prerequisite: None
Course classification: 3 or 4
This course looks at the diverse regions of Mexico, Central America, South America and the Caribbean through the lens of history, politics and culture of those people. Students taking this course would receive a more complete idea of the diverse identities of the area through a regional study of political systems, art, economics and culture that has developed over time and continues to the modern day.

GENDER STUDIES (704803)
GENDER STUDIES H (704804) ......................................................½ Credit
Blended option available
Open to juniors and seniors
Prerequisite: None
Course classification: 3 or 4
Gender Studies is to help students develop historical, theoretical and cross-cultural frameworks for the comparative study of women and gender. Questions to be addressed during class include: What does it mean to study “women” as a group? When is it useful to focus on commonalities among women? When is it necessary to stress differences? In what ways do gender differences and organize the social world and shape people’s experiences and self-perceptions? This course will aim to sharpen students’ critical awareness of how gender operates in institutional and cultural contexts and in their own lives, and to give them an opportunity to imagine participating in social change.
WORLD LANGUAGE

GENERAL INFORMATION
The World Language Department offers a five-year sequence of study in Mandarin Chinese, French, German, Latin, and Spanish. Beginning in Level II, students may choose the honors level sequence of instruction, based on their performance and teacher recommendation. Honors level courses will typically move more quickly and in greater depth than other courses. Highly-motivated students may elect to enroll in any of our AP classes. Successful completion of the AP exam offers the potential for college credit. Study of a second world language is strongly encouraged for those students who have already been successful in the study of one language.

In world language courses, students develop speaking, reading, writing, and listening skills within a cultural context, using the target language as the primary means of communication. Evaluation is based primarily on performance assessments in the three modes of communication: Interpretive, Interpersonal, and Presentational. Barrington High School is proud to offer all world language students the possibility of receiving the Illinois State Seal of Biliteracy or a Commendation toward the Seal of Biliteracy as a culminating part of our program. Student test scores determine eligibility in the junior and senior years. Recognition appears on student diplomas and transcripts upon graduation.

*BLENDED LEARNING
The World Language Department is proud to offer several courses in a blended format. Blended learning is an instructional strategy that gives students shared ownership in the time, pace, path, or place of their learning. This initiative combines in-class student-centered learning strategies with occasional release from the classroom environment. Most courses offered in the blended format use release time as needed to allow for small group and individualized instruction. Students who are released participate in independent and small group work in supervised but less structured environments such as the library or commons. Blended offerings for younger students are more structured and have less release time than those offered to upper level students who are preparing for the rigors and independence of college. Check individual course offerings and talk to your counselor to find the blended offerings best suited for you.

WORLD LANGUAGE COURSES

CHINESE I (MANDARIN) (501103) .............................................................1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
The study of Mandarin Chinese will open the doors to a new language and the culture of one of the world’s significant countries and economic partners. Students will be introduced to the foundations of Mandarin Chinese through listening, speaking, writing and reading of this significantly different sound and writing system. Students will learn the tones of Mandarin Chinese, its characters and correct stroke order as they learn to communicate. Students will explore the various cultures that constitute the Chinese speaking world. Students will learn basic structures and develop comprehension skills. This course will be conducted in Mandarin Chinese.

CHINESE II (MANDARIN) (501203) .............................................................1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Chinese I and teacher recommendation
Course classification: 3
Building on the skills that they began in Chinese I, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. A significant focus of the course includes appropriate cultural topics. This course will be conducted in Mandarin Chinese.

CHINESE II HONORS (MANDARIN) (501204) .............................................1 Credit
Open to freshmen and sophomores. Juniors and seniors will be admitted based on availability.
Prerequisite: Chinese I and teacher recommendation
Course classification: 4
Building on the skills that they began in Chinese I, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. A significant focus of the course includes appropriate cultural topics. This course will be conducted in Mandarin Chinese.

CHINESE III (MANDARIN) (501303) .......................................................1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Chinese II and teacher recommendation
Course classification: 4
Building on the skills that they began in Chinese II, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. Cultural topics are imbedded throughout the course. This course will be conducted in Mandarin Chinese.

CHINESE III HONORS (MANDARIN) (501304) .............................................1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Chinese II Honors and teacher recommendation
Course classification: 4
Building on the skills that they began in Chinese II, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. Cultural topics are imbedded throughout the course. This course will be conducted in Mandarin Chinese.

*Course fees are subject to change for the 2019-20 school year.

BLENDED LEARNING
The World Language Department is proud to offer several courses in a blended format. Blended learning is an instructional strategy that gives students shared ownership in the time, pace, path, or place of their learning. This initiative combines in-class student-centered learning strategies with occasional release from the classroom environment. Most courses offered in the blended format use release time as needed to allow for small group and individualized instruction. Students who are released participate in independent and small group work in supervised but less structured environments such as the library or commons. Blended offerings for younger students are more structured and have less release time than those offered to upper level students who are preparing for the rigors and independence of college. Check individual course offerings and talk to your counselor to find the blended offerings best suited for you.

CHINESE III (MANDARIN) (501303) .......................................................1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Chinese II and teacher recommendation
Course classification: 4
Building on the skills that they began in Chinese II, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. Cultural topics are imbedded throughout the course. This course will be conducted in Mandarin Chinese.

CHINESE III HONORS (MANDARIN) (501304) .............................................1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Chinese II Honors and teacher recommendation
Course classification: 4
Building on the skills that they began in Chinese II, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. Cultural topics are imbedded throughout the course. This course will be conducted in Mandarin Chinese.

*Course fees are subject to change for the 2019-20 school year.
Building on the skills that they developed in Chinese III, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. Chinese IV students will use previously-acquired skills and vocabulary to write compositions, read a variety of literature pieces and communicate. This course will be conducted primarily in Mandarin Chinese.

**Chinese IV Honors (Mandarin) (501404)..................................................1 Credit**
Open to juniors and seniors
Prerequisite: Chinese III and teacher recommendation
Course classification: 4
Building on the skills that they developed in Chinese III, students will continue learning the foundations of Mandarin Chinese through listening, speaking, writing and reading. Through the immersion model of teaching, students will continuously learn new characters, functions and improve their comprehension and speaking skills. Chinese IV students will use previously-acquired skills and vocabulary to write compositions, read a variety of literature pieces and communicate. This course will be conducted in Mandarin Chinese. Chinese IV Honors will follow the same general curriculum as Chinese IV with additional projects, differentiation of some assignments and a higher standard for assessment. This course continues the sequence of preparation for the Chinese Advanced Placement Examination.

**Chinese V Honors (501514).................................................................1 Credit**
Open to juniors and seniors
Prerequisite: Chinese IV or Chinese IV Honors and teacher recommendation
Course classification: 4
Building on the skills developed in Chinese IV or Chinese IV Honors, students will continue learning the foundations of Mandarin Chinese through activities based on the interpretive, interpersonal, and presentational modes of communication. Appropriate candidates are expected to possess a good command of both written and spoken Chinese and will work toward further refining their communication skills. Class will be conducted entirely in Chinese, and students should expect to interact in Chinese with each other and with the teacher.

**AP Chinese Language and Culture (501505).................................1 Credit**
Open to seniors
Prerequisite: Chinese IV or teacher recommendation
Course classification: 5
Advanced Placement Chinese V is a college-level course for students, which culminates in the Advanced Placement Language and Culture Examination. Students have the potential to receive college credit. Students are expected to possess a strong command of Chinese in the three modes of communication. Emphasis is placed on refining oral and written communication skills. This class will be conducted entirely in Mandarin Chinese.

**Mandarin Chinese Immersion I H (507104).................................1 Credit**
Open to freshmen
Prerequisite: Chinese Immersion program
Course classification: 4
This course is a continuation of the Mandarin Chinese Immersion classes at the middle school level. Students will focus on improving and refining their communication skills in Mandarin and increasing their understanding of Chinese culture. Immersive learning experiences are designed to increase fluency in speaking and writing, while concurrently providing listening and reading opportunities from contemporary media resources across an increasingly extensive range of subject matter. The class will be conducted entirely in Mandarin.

**French I (502103).................................................................1 Credit**
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
This is a beginning course which introduces students to the French language and lays the foundation for future study. The emphasis is on developing interpersonal and interpretive skills with a gradual introduction of presentational speaking and writing experiences. Emphasis will be on learning to communicate in the target language on topics of daily life, with frequent use of paired practice, small group work, and role plays. Conversational functions include expressing feelings, preference and opinions; describing people, things and places; and making requests. Students will read basic texts about countries where the target language is spoken and be introduced to various examples of authentic text found in the culture, including signs and advertisements.

**French II (502203).................................................................1 Credit**
Open to freshmen, sophomores, juniors and seniors
Prerequisite: French I and teacher recommendation
Course classification: 3
French II is designed for students who can function in French at a very basic level and who wish to further develop listening, speaking, reading and writing skills in interpersonal, interpretive, and presentational situations. Previously-learned material will be reinforced, and students will learn to use language for new purposes. Students will increase their range of expression and vocabulary will be expanded to include topics such as travel, health, and fashion. Students are expected to speak primarily French in class.

**French II Honors (502204).................................................................1 Credit**
Open to freshmen, sophomores, juniors and seniors
Prerequisite: French I and teacher recommendation
Course classification: 4
French II Honors begins the sequence of preparation for the Advanced Placement French Language and Culture Examination. It is designed for students who can function with ease in the target language at a basic level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students will expand their range of expression to include such topics as travel, health and fashion. They also need to apply critical thinking skills in the target language. Emphasis will be on learning to communicate in French using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Classes will be conducted entirely in French and are taught at a rapid pace to prepare students for the French III Honors curriculum.

**French III (502303).................................................................1 Credit**
Open to sophomores, juniors and seniors
Prerequisite: French II and teacher recommendation
Course classification: 3
French III is designed for students who can function with ease in the target language and who wish to develop their skills in understanding, speaking, reading and writing in French. There is a continued emphasis on oral communication with further development of interpersonal, interpretive, and presentational skills. Students acquire additional vocabulary and structures which allow them to become more creative in expressing themselves when discussing topics of daily life. Students continue to become acquainted with Francophone cultures by examining various audio and video sources. This course is conducted in French, and students are expected to interact primarily in French.
FRENCH III HONORS (502304) ................................................................. 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: French II Honors or equivalent and teacher recommendation
Course classification: 4
This course continues the sequence of study which culminates in the Advanced Placement French Language and Culture Examination. It is designed for students who can function exclusively in French and who wish to improve and expand their skills in understanding, speaking, reading, and writing in French. Students will increase their range of expression, learning to use language for many different purposes. Students need to be able to successfully connect previously-learned material with new material. Emphasis will be on learning to communicate about topics of daily life using the three modes of communication (interpersonal, interpretive and presentational). This class is conducted entirely in French, and students are expected to interact with the teacher and their peers using French.

FRENCH IV (502403) ........................................................................... 1 Credit
Open to juniors and seniors
Prerequisite: French III and teacher recommendation
Course classification: 3
This course is designed for students who can function entirely in the target language and who wish to improve and expand their skills in understanding, speaking, reading and writing in French. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts to allow them to communicate more freely. Students will be introduced to a variety of French and Francophone folk tales, short stories, history and regional studies and will continue to reinforce vocabulary and grammar previously taught. This course is conducted entirely in French and students are expected to interact with their peers in French.

FRENCH IV HONORS (502404) ............................................................ 1 Credit
Blended option available
Open to juniors and seniors
Prerequisite: French III Honors and teacher recommendation
Course classification: 4
This course is a continuation of the sequence to prepare students for the Advanced Placement French Language and Culture Examination. It is designed for students who can function exclusively in the target language at an intermediate level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students are required to use more sophisticated vocabulary and grammatical structures in a variety of contexts to allow them to communicate more freely and creatively than in previous levels. This course is organized around the AP themes: Global Challenges, Public and Personal Identities, Science and Technology, Contemporary Life, Beauty and Aesthetics, Families and Communities. In addition to further developing language skills, students will gain a deeper awareness and understanding of the cultural diversity of the Francophone world.

AP FRENCH LANGUAGE AND CULTURE (502505) ............................ 1 Credit
Open to seniors
Prerequisite: French IV and/or teacher recommendation
Course classification: 5
This course is the final course to prepare students for the Advanced Placement French Language and Culture Examination and provides the potential for college credit. It is organized around the AP themes: global challenges, personal and public identities, science and technology, contemporary life, beauty and aesthetics, and families and communities. The course is designed for highly-motivated students willing to do college-level work. Students must be able to function at an advanced level in French, using sophisticated vocabulary and grammatical structures in a variety of communication tasks within the three modes of communication (interpersonal, interpretive and presentational). Students need to be able to apply critical thinking skills by comparing, contrasting, summarizing and synthesizing information in the target language. Students will develop a deeper awareness and understanding of the cultural diversity of the French-speaking world and draw comparisons to their own. The course is conducted exclusively in French, and students are expected to speak exclusively in French.

FRENCH V HONORS (502524) ............................................................. 1 Credit
Blended option available
Open to juniors and seniors
Prerequisite: French III or IV and teacher recommendation
Course classification: 4
This is a dynamic course in which students will be able to improve their fluency in an informal atmosphere. A variety of materials, including audio recordings, films, texts and other print materials, will be used to stimulate discussion. Periodic assignments will help students maintain their written skills. This course is a full year course. The course is conducted exclusively in French, and students are expected to speak exclusively in French. Upon successful completion of this course, students will have the opportunity to receive 3 hours of Harper transcripted credit for French 205.

GERMAN I (503103) ........................................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
This course is designed for students with no background knowledge in the target language who wish to develop skills in understanding, speaking, reading, and writing in German. Emphasis will be on learning to communicate on topics of daily life, with frequent use of paired practice, small group work, and role plays. Students will be introduced to using German for many different purposes, such as the following: expressing feelings, preference, and opinions; describing people, things, and places; and making requests. Students will read basic descriptions of life in countries where the target language is spoken and be introduced to various examples of authentic text found in the culture such as signs, advertisements and letters. A great variety of up-to-date materials will be used in class.

GERMAN II (503203) ........................................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: German I and teacher recommendation
Course classification: 3
This course is designed for students who can function in the target language at a very basic level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in German. Emphasis will be on learning to communicate on topics of daily life, using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: travel, health, fashion and home design as well expressing feelings, preference, and opinions. Students will use authentic resources and technology to create a portfolio.

GERMAN II HONORS (503204) ........................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: German I and teacher recommendation
Course classification: 4
This course begins the sequence of preparation for the Advanced Placement German Language and Culture exam. It is designed for students who can function with ease in German at a basic level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in German. Students need to be able to connect previously-learned material to newly learned material. Emphasis will be on learning to communicate in the target language on topics of daily life, using the three modes of
GERMAN III (503303) ................................................................. 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: German II and teacher recommendation
Course classification: 3
This course is designed for students who can function in the target language at an intermediate level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in German. Students are guided to further expand and improve their communication skills in German so that they can understand and converse more freely and creatively than at previous levels. Emphasis will be on learning to communicate on topics of daily life, using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: globalization, contemporary life, personal identity, school & career and history. Students will use authentic resources and technology to create a portfolio. The course is conducted in German, and students are expected to speak in German.

GERMAN III HONORS (503304) ................................................................. 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: German II and teacher recommendation
Course classification: 4
This course is the second course to prepare students for the Advanced Placement German Language and Culture exam. It is designed for students who can function with ease in the target language at an intermediate level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students are guided to further expand and improve their communication skills in German so that they can understand and converse more freely and creatively than at previous levels. Students need to be able to connect previously-learned material to newly-learned material. Emphasis will be on learning to communicate on topics of daily life, using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: globalization, contemporary life, personal identity, school & career and history. Students will use authentic resources and technology to create a portfolio. The course is conducted in German and students are expected to speak exclusively in German.

GERMAN IV HONORS (503404) ................................................................. 1 Credit
Open to juniors and seniors
Prerequisite: German III Honors and teacher recommendation
Course classification: 4
This course is the third course to prepare students for the Advanced Placement German Language and Culture exam. It is designed for students who can function exclusively in the target language at an intermediate level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students will begin to use increasingly sophisticated vocabulary and grammatical structures in a variety of contexts, so that they can understand and converse more freely and creatively than at previous levels in listening, speaking, reading and writing tasks. Students need to be able to connect previously-learned material to newly-learned material in unknown situations. This course is organized around themes based on contemporary social, political and cultural issues of German-speaking societies, such as: globalization, public and personal identities, science and technology, contemporary life, beauty and aesthetics, families and communities. Students in German IV Honors will have a deeper awareness and understanding of the cultural diversity of the German-speaking world and draw comparisons to their own. Students will use authentic resources and technology to create a portfolio. Students need to be able to apply critical thinking skills in the target language. In addition, students will practice their speaking, reading, listening and writing skills outside of class. The course is conducted in German and students are expected to speak exclusively in German.

GERMAN V HONORS (503514) ................................................................. 1 Credit
Open to seniors
Prerequisite: German IV or IV Honors and teacher recommendation
Course classification: 4
In this dynamic course, students will be able to improve their fluency in an informal atmosphere. A variety of materials, including films, texts, audio recordings and other print material, will be used to stimulate discussions, which enhance verbal and cultural learning. This course will also continue to explore the culture of German-speaking countries. The course is conducted in German and students are expected to speak exclusively in German.

AP GERMAN LANGUAGE AND CULTURE (503505) ................................................................. 1 Credit
Open to seniors
Prerequisite: German IV and/or teacher recommendation
Course classification: 5
This course is the final course to prepare students for the Advanced Placement German Language and Culture exam and also provides the potential for college credit. It is designed for students who can function exclusively in the target language at an advanced level and who wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students are required to use sophisticated vocabulary and grammatical structures in a variety of contexts, so that they can understand and converse more freely and creatively than at previous levels in listening, speaking, reading and writing tasks. Students must connect previously-learned material with newly-learned material in unknown situations. This course is organized around the AP themes:
Globalization, Public and Personal Identities, Science and Technology, Contemporary Life, Beauty and Aesthetics, Families and Communities. Students will have a deeper awareness and understanding of the cultural diversity of the German-speaking world and draw comparisons to their own. Students need to be able to apply critical thinking skills in the target language. In addition, students will complete an independent project outside of class to challenge their three modes of communication. The course is conducted exclusively in German and students are expected to speak exclusively in German.

LATIN I (504103) ........................................................................................................... 1 Credit
Blended option available
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
Basic grammar is introduced through drills, readings and conversations. Noun cases in three declensions, six tenses of verbs in four conjugations in both voices, as well as most adjectives and adverbs are presented. Much vocabulary work is done to prepare students for reading stories of increasing complexity. A working knowledge of English grammar is acquired throughout both semesters, as well as etymology, Roman History, and Classical Mythology.

LATIN II (504203) ........................................................................................................... 1 Credit
Blended option available
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Latin I and teacher recommendation
Course classification: 3
First semester begins with a rigorous review of Latin I vocabulary and grammar. Grammar study then progresses with pronouns, and comparison of adjectives. Second semester focuses on on the formation of infinitives and participles with an introduction to the subjunctive mood. Written translations, sentence work and outside readings are assigned frequently.

LATIN II HONORS (504204) .......................................................................................... 1 Credit
Blended option available
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Latin I and teacher recommendation
Course classification: 4
First semester begins with a rigorous review of Latin I vocabulary and grammar. Grammar study then progresses with comparison of adjectives, formation of infinitives and participles. Second semester focuses on the subjunctive mood and reading strategies. Written translations, sentence work, and derivative work are assigned frequently, including some outside reading assignments.

LATIN III (504303) ........................................................................................................... 1 Credit
Blended option available
Open to sophomores, juniors and seniors
Prerequisite: Latin II and teacher recommendation
Course classification: 3
First semester begins with a thorough review of all previously learned grammar. Subjunctive mood is presented, while developing Latin reading skills. Readings in Latin vary from year to year, but may include Caesar and Livy.

LATIN III HONORS (504304) .......................................................................................... 1 Credit
Blended option available
Open to sophomores, juniors and seniors
Prerequisite: Latin II and teacher recommendation
Course classification: 4
First semester begins with a rigorous review of all Latin grammar with emphasis on the subjunctive. Rhetorical devices, structure of prose and the divisions of oration are introduced. Readings in Latin include Pliny’s letters, Cicero’s Speeches, and Ovid’s Metamorphoses. Readings in English include Ovid’s Metamorphoses.

LATIN IV (504403) ........................................................................................................... 1 Credit
Blended option available
Open to juniors and seniors
Prerequisite: Latin III and teacher recommendation
Course classification: 3
This course focuses on the poetry of Catullus, Horace and Ovid. Other authors may be added such as Plautus or Cicero. Emphasis is on the understanding of grammar, meaning and literary qualities of these works. This class may be combined with other upper Latin classes.

LATIN IV HONORS (504404) .......................................................................................... 1 Credit
Blended option available
Open to juniors and seniors
Prerequisite: Latin III Honors and teacher recommendation
Course classification: 4
This course focuses on the poetry of Catullus, Horace and Ovid. Other authors may be added such as Plautus or Cicero. Emphasis is on the understanding of grammar, meaning and literary qualities of these works. This class may be combined with Latin IV, V Honors and/or AP Topics.

LATIN V HONORS (504504) .......................................................................................... 1 Credit
Blended option available
Course classification: 4
Prerequisite: Latin IV and teacher recommendation
Open to juniors and seniors

AP LATIN (504505) ........................................................................................................... 1 Credit
Blended option available
Open to seniors
Prerequisite: Latin IV Honors and teacher recommendation
Course classification: 5
This course focuses on the works of Vergil’s Aeneid and Caesar’s De Bello Gallico. Various selections will be read with a focus on the context and literary merit of each work. This class may be combined with other upper Latin classes.

SPANISH I (506103) ........................................................................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
Spanish I is a beginning level course to introduce students to the Spanish language and its cultures. In addition to a basic introduction, students will be required to memorize and retain vocabulary and be able to use it in its appropriate context. Students will also study the grammatical fundamentals of the Spanish language. Students will need to listen, read, write and speak in the target language throughout the year.

SPANISH II (506203) ........................................................................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Spanish I
Course classification: 3
This course builds on the speaking, listening, reading, and writing skills developed in Spanish I or in the middle school program. Students are expected to speak as much Spanish as possible in class. Previously learned materials are reviewed and reinforced, new structures and tenses are learned, and vocabulary is expanded. This course will be primarily conducted in Spanish.
SPANISH II HONORS (506204) ............................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Spanish I and teacher recommendation
Course classification: 4
This course begins the sequence of preparation for Advanced Placement Spanish Language and Culture exam. It is designed for students who can function with ease in the target language at a basic level and wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students need to be able to connect previously learned material and successfully apply it to newly learned material. Emphasis will be on learning to communicate in the target language on topics of daily life, using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: travel, health, fashion and home design as well expressing feelings, preference, and opinions. Students will use authentic resources and technology to create a portfolio. Students need to be able to apply critical thinking skills in the target language. In addition, students will practice their speaking, reading, listening and writing skills outside of class. The course is conducted in Spanish, with the expectation that Spanish be spoken with both instructor and peers.

SPANISH III (506303) ........................................................................ 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Spanish II or II Honors (C or better) and teacher recommendation
Course classification: 3
Spanish III continues the in-depth exploration of all four skills in the Spanish language. Students continue to learn vocabulary and are expected use it in context throughout the course. Students continue to develop their grammatical skills and their accurate use on a regular basis in speaking, reading and writing. The class is conducted almost entirely in the target language. Students are also expected to speak Spanish on a daily basis.

SPANISH III HONORS (506304) .......................................................... 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Spanish II Honors and teacher recommendation
Course classification: 4
This course is the second course to prepare students for the Advanced Placement Spanish Language and Culture exam. It is designed for students who can function with ease and think critically in the target language at an intermediate level, and wish to improve and expand their skills in understanding, speaking, reading, and writing in the target language. Students are guided to further expand and improve their communication skills in Spanish so that they can understand and converse more freely and creatively than at previous levels. Students need to be able to connect previously learned material and successfully apply newly learned material. Emphasis will be on learning to communicate in the target language on topics of daily life, using the three modes of communication: interpretive (reading and listening), interpersonal (speaking and writing) and presentational (speaking and writing). Students will increase their range of expression, learning to use language for many different purposes, such as: contemporary life, social interactions and customs, life skills, and passages of life. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish.

SPANISH IV (506403)........................................................................... 1 Credit
Open to juniors and seniors
Prerequisite: Spanish III or III Honors and teacher recommendation
Course classification: 3
This course will provide a continuing sequence of language for those students who would like to refine their communication skills in Spanish. Students will study the history and cultures of various Hispanic countries. They will read a variety of short stories from various Spanish-speaking countries in addition to learning new vocabulary and reviewing grammatical structures. This course is conducted entirely in Spanish and students are expected to interact with their peers in Spanish.

SPANISH IV HONORS (506404) .............................................................. 1 Credit
Open to juniors and seniors
Prerequisite: Spanish III Honors and teacher recommendation
Course classification: 4
Spanish IV Honors is a course which follows in sequence with the Honors curriculum in order to build upon reading, writing, listening, and speaking skills in accordance with the six AP themes. Students will be expected to communicate orally in interpersonal conversation and presentational reports, write compositions, process aural and written language for comprehension of facts. The course features a variety of readings of different genres, pop culture and media pieces from Spanish-speaking countries, and art samples from Hispanic artists. This course continues preparation for the AP Spanish Language and Culture course/exam.

SPANISH V HONORS (506514) .............................................................. 1 Credit
Open to seniors
Prerequisite: Spanish IV or IV Honors and teacher recommendation
Course classification: 4
This course begins the sequence of preparation for the AP Spanish Language and Culture course/exam. This course is only for students who have taken Spanish IV or Spanish IV Honors. Students currently enrolled in the Spanish for Spanish Speakers sequence should take course number 505425.
Open to juniors and seniors
Prerequisite: Spanish IV and/or teacher recommendation
Course classification: 5
This course is the final course to prepare students for the Advanced Placement Spanish Language and Culture exam and also provides the potential for college credit. It is organized around the AP themes: Global Challenges, Personal and Public Identities, Science and Technology, Contemporary Life, Beauty and Aesthetics, and Families and Communities. The course is designed for highly motivated students willing to do college level work and geared toward students who can function exclusively in the target language at an advanced level and wish to improve, expand, and refine their skills in understanding, speaking, reading, and writing in the target language. Students are required to use sophisticated vocabulary and grammatical structures in a variety of contexts using the three modes of communication (interpretive, interpersonal and presentational), so that they can understand and converse more freely and creatively than at previous levels. Students must connect previously learned material and successfully apply it with newly learned material in different situations. Students will have a deeper awareness and understanding of the cultural diversity of the Spanish-speaking world and draw comparisons to their own. Students need to be able to apply critical thinking skills by comparing, contrasting, summarizing, and synthesizing in the target language. In addition, students will complete independent projects outside the classroom to challenge themselves in the three modes of communication. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish.
AP SPANISH LITERATURE AND CULTURE (505505) ......................... 1 Credit
Open to juniors and seniors
Prerequisite: AP Spanish Language and Culture
Course classification: 5
The AP® Spanish Literature and Culture course is designed to provide students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) outlined in the Standards for Foreign Language Learning in the 21st Century. The overarching aims of the course are to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills — with special attention to critical reading and analytical writing — and to encourage them to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish. A key objective of the course is to encourage students not only to understand and retell the content of the texts they read but also to relate that content to literary, historical, sociocultural, and geopolitical contexts in Spanish.

SPANISH FOR SPANISH SPEAKERS II HONORS (505214) ....................... 1 Credit
Open to sophomores, juniors or seniors
Prerequisite: Spanish for Spanish Speakers II and teacher recommendation
Course classification: 3
This course will focus on a greater mastery of both written and oral Spanish communication skills through reading various readings, presentations and projects. Students in this course will be required to demonstrate their mastery of skills by producing various written works and oral presentations in an academic environment. To receive honors credit, students will complete an additional oral presentation, read and analyze additional works, complete supplemental written work and be prepared to be leaders in the classroom. Students will begin preparing for the AP Spanish exam. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish. Upon successful completion of this course, students will have the opportunity to receive 3 hours of Harper transcripted credit for Spanish 112 and 113.

SPANISH FOR SPANISH SPEAKERS III (505323) ...................................... 1 Credit
Open to sophomores, juniors or seniors
Prerequisite: Spanish for Spanish Speakers II and teacher recommendation
Course classification: 3
This course will focus on refining and mastering advanced communication skills of both written and oral Spanish through reading various readings, advanced grammatical concepts, presentations and projects. Students in this course will be required to demonstrate their mastery of skills by producing various written works and oral presentations in an academic environment. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish. Upon successful completion of this course, students will have the opportunity to receive 3 hours of Harper transcripted credit for Spanish 112 and 113.

SPANISH FOR SPANISH SPEAKERS III HONORS (505324) ...................... 1 Credit
Open to sophomores, juniors or seniors
Prerequisite: Spanish for Spanish Speakers II Honors and teacher recommendation
Course classification: 4
This course is only for students in the Spanish for Spanish Speakers sequence of courses. Students currently enrolled in Spanish IV or Spanish IV Honors should take course number 506505.
Open to sophomores, juniors or seniors
Prerequisite: Spanish for Spanish Speakers III or IIIH and/or teacher recommendation
Course classification: 3
This course will focus on refining and mastering advanced communication skills of both written and oral Spanish through reading various readings, presentations and projects. Students in this course will be required to demonstrate their mastery of skills by producing various written works and oral presentations in an academic environment. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish. Upon successful completion of this course, students will have the opportunity to receive 3 hours of Harper transcripted credit for Spanish 112 and 113.

AP SPANISH LANGUAGE AND CULTURE (505425) ................................ 1 Credit
Blended option available
This course is for students in the Spanish for Spanish Speakers sequence of courses. Students currently enrolled in Spanish IV or Spanish IV Honors should take course number 506505.
Open to juniors and seniors
Prerequisite: Spanish for Spanish Speakers III or IIIH and/or teacher recommendation
Course classification: 5
This course is the final course to prepare students for the Advanced Placement Spanish Language and Culture exam and also provides the potential for college credit. It is organized around the AP themes: Global Challenges, Personal and Public Identities, Science and Technology, Contemporary Life, Beauty and Aesthetics, and Families and Communities. The course is designed for highly motivated students willing to do college level work and geared toward students who can function exclusively in the target language at an advanced level and wish to improve, expand, and refine their skills in understanding, speaking, reading, and writing in the target language. Students are required to use sophisticated vocabulary and grammatical structures in a variety of contexts using the three modes of communication (interpretive, interpersonal and presentational), so that they can understand and converse more freely and creatively than at previous levels. Students must connect previously learned material and successfully apply it with newly learned material in different situations. Students will have a deeper awareness and understanding of the cultural diversity of the Spanish-speaking world and draw comparisons to their own. Students need to be able to apply critical thinking skills by comparing, contrasting, summarizing, and synthesizing in the target language. In addition, students will complete independent projects outside the classroom to challenge themselves in the three modes of communication. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish. Upon successful completion of this course, students will have the opportunity to receive 3 hours of Harper transcripted credit for Spanish 210.
ENGLISH LANGUAGE LEARNERS

The following courses are designed for students enrolled in the Program for English Language Learners.

COMPOSITION AND CONVERSATION (205503) ................................. 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: testing
Course classification: 3
One Semester (Fall), Fulfills English Requirement
This course is designed to teach the English language with an emphasis on the development of Basic Interpersonal Communicative Skills and life-skills that will enable the newly arrived Non-English proficient student to adapt to his or her new academic and social environment. Native language support is provided when appropriate.

FRESHMAN ENGLISH (201203) ......................................................... 1 Credit
Open to freshmen
Prerequisite: testing
Course classification: 3
Fulfills English requirement / Concurrent enrollment in EL Resource 205003
EL Freshman English is a year-long course for incoming 9th graders where students develop skills in reading, analysis, writing, grammar, oral communication, and research. The curriculum explores the coming of age through short stories, essays, articles, novels, poetry, drama, and other texts. Through their reading of model texts, students are introduced to various stylistic techniques and write in multiple formats throughout the year, including narrative and argument. Authentic class discussion also plays a vital role in enhancing literacy skills. This course specifically serves students whose native language is not English and provides them with appropriate support and runs in conjunction with ELL English Resource 205003.

SOPHOMORE ENGLISH (202203) ..................................................... 1 Credit
Open to sophomores
Prerequisite: testing
Course classification: 3
Fulfills English requirement / Concurrent enrollment in EL Resource 205003
EL Sophomore English is a year-long course for incoming 10th graders where students continue to develop skills in reading, analysis, writing, grammar, oral communication, and research. The curriculum explores the concept of culture through short stories, essays, articles, novels, poetry, drama, and other texts. Through their reading of model texts, students build upon the various stylistic techniques and multiple writing formats introduced in Freshman English, with a focus on persuasion and an introduction to rhetorical analysis. Authentic class discussion also plays a vital role in enhancing literacy skills. This course specifically serves students whose native language is not English and provides them with appropriate support and runs in conjunction with ELL English Resource 205003.

JUNIOR ENGLISH (203203) ............................................................. 1 Credit
Open to juniors
Prerequisite: testing
Course classification: 3
Fulfills English requirement / Concurrent enrollment in EL Resource 205003
EL Junior English is a year-long course for 11th graders exploring the distinguishing characteristics of American literature and the American experience that it reflects. Particular attention will be focused on the tension between idealism and realism in that tradition. Students will be instructed in how to formulate a research topic, refine that topic in the research process, evaluate online and print resources, and synthesize the thinking drawn from multiple sources. There will be a thorough review of grammar, usage, and rhetoric in preparation for the ACT. This course specifically serves students whose native language is not English and provides them with appropriate support and runs in conjunction with ELL English Resource 205003.

LANGUAGE AND COMPOSITION (204203) ................................. ½ Credit
Open to seniors
Prerequisite: testing
Course classification: 3
One Semester / Fulfills English requirement / Concurrent enrollment in EL Resource 205003
EL Language and Composition is a one semester course intended for upperclassman who are working toward further development of writing skills as they look toward college and/or a career post-graduation. It focuses on the three main areas of writing -- narrative, explanatory, and argument -- as well as the writing process (brainstorming, multiple drafts, revision based on feedback). Students are exposed to multiple Mentor Texts in each area of writing and develop pieces based on teacher and peer feedback to ultimately create Best Drafts. These Best Drafts are to be used in preparation for college and career readiness as well as in the application process. Students are also immersed in reading their own books independently and discussing content and craft in all types of literature through collaborative discussion. By the end of the semester, students have worked to develop their skills in the four areas of English (reading, writing, speaking/listening, and language) in preparation for future college and/or career goals. This course specifically serves students whose native language is not English and provides them with appropriate support. It runs in conjunction with ELL English Resource 205003.

HEALTH EDUCATION (905103) .................................................... ½ Credit
Open to sophomores or departmental approval
Prerequisite: none
Course classification: 3
See listing in Physical Education Department. Recommended for those students who are enrolled in the Program for English Language Learners.
ALGEBRA I (605123) ................................................................. 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
See listing in Mathematics Department. Recommended for those students who are enrolled in the Program for English Language Learners, and have limited background in mathematics.

GEOMETRY (605213) ............................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Algebra I
Course classification: 3
See listing in Mathematics Department. Recommended for those students who are enrolled in the Program for English Language Learners.

ALGEBRA II (605313) ............................................................... 1 Credit
Open to juniors and seniors
Prerequisite: Geometry
Course classification: 3
See listing in Mathematics Department. Recommended for those students who are enrolled in the Program for English Language Learners.

BIOLOGY (805203) ................................................................. 1 Credit
Open to freshmen, sophomores, juniors and seniors
Fulfills Life Science requirement
Prerequisite: Physical Science or Earth Science
Course classification: 3
See Science Department for full listing. Recommended for those students who are enrolled in the Program for English Language Learners.

PHYSICS (805303) ................................................................. 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Biology
Course classification: 3
See Science Department for full listing. Recommended for those students who are enrolled in the Program for English Language Learners.

GLOBAL STUDIES (705203) ..................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Fulfills Social Studies Requirement
Prerequisite: none
Course classification: 3
See Social Studies Department for full listing. Recommended for those students who are enrolled in the Program for English Language Learners.

U.S. HISTORY (705403) ........................................................... 1 Credit
Open to freshmen, sophomores, juniors and seniors
Requirement, Prerequisite: testing
Course classification: 3
See Social Studies Department for full listing. Recommended for those students who are enrolled in the Program for English Language Learners.

CIVICS (705503) ................................................................. 1 Credit
Open to juniors and seniors
Prerequisite: completion of Global Studies
Course classification: 3
See Social Studies Department for full listing. Recommended for those students who are enrolled in the Program for English Language Learners.

21ST CENTURY ISSUES (705313) ............................................. ½ Credit
Open to freshmen, sophomores, juniors and seniors
Fulfills Social Studies elective
Prerequisite: none
Course classification: 3
See Social Studies Department for full listing. Recommended for those students who are enrolled in the Program for English Language Learners.
**Four-Year Plan Sheet**

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<th>FIRST SEMESTER</th>
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20.5 credits are required for graduation. Students must take a minimum of 6 classes each semester.

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<thead>
<tr>
<th>Graduation Requirements</th>
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<tbody>
<tr>
<td>4 Credits of English</td>
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<td>3 Credits of Mathematics</td>
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<td>1 Credit of Global Studies or AP World History</td>
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<td>.5 Credit of Civics</td>
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<tr>
<td>1 Credit of Applied Arts / Fine Arts</td>
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<td>5 Additional Credits</td>
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*See Page 8 for college admission information*