BARRINGTON HIGH SCHOOL
COURSE GUIDE
2018-2019
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**INTRODUCTION**

The Curriculum Handbook is designed to help students plan their course of studies from the variety of offerings at Barrington High School. In planning a Curriculum Handbook 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 Curriculum Handbook 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 Curriculum Handbook 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</td>
</tr>
<tr>
<td>U.S. History (2 semesters)</td>
<td>1</td>
</tr>
<tr>
<td>Global Studies or AP World History (2 semesters)</td>
<td>1 ½</td>
</tr>
<tr>
<td>Social Studies - elective</td>
<td>½</td>
</tr>
<tr>
<td>Social Studies - elective (1 semester) (Class of 2019)</td>
<td></td>
</tr>
<tr>
<td>Civics (Class of 2020 plus)</td>
<td>½</td>
</tr>
<tr>
<td>Science (4 semesters)</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics (6 semesters)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education (7 semesters)</td>
<td>1 3/4</td>
</tr>
<tr>
<td>Health (1 semester)</td>
<td>½</td>
</tr>
<tr>
<td>Fine Arts /Applied Arts (2 semesters)</td>
<td>1</td>
</tr>
<tr>
<td>Consumer Education Req.</td>
<td>½</td>
</tr>
<tr>
<td>Driver Education (1 semester)</td>
<td>1/4</td>
</tr>
<tr>
<td>Additional credits</td>
<td>5</td>
</tr>
<tr>
<td>State Testing (if required)</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>20 ½ credits</strong></td>
</tr>
</tbody>
</table>

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

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
- Ceramics
- Concert Band
- Dance* Design
- Rhythm Machine
- Jazz Band
- Orchestra
- Printmaking
- Sr. A Cappella
- Theatre
- Electronic Music Composition
- Music Appreciation

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

*Dance can not be taken for P.E. and Fine Arts simultaneously.
*Journalism and Photojournalism by petition, 3rd & 4th year students only.
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.necsspartnership.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. **904509 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 with 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. 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.

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), Average (A), General (G), and Basic (B). 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>Level</th>
<th>Level</th>
<th>Level</th>
<th>Level</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>5</td>
<td>4.5</td>
<td>4</td>
<td>3.5</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>4</td>
<td>3.5</td>
<td>3</td>
<td>2.5</td>
<td>2</td>
</tr>
<tr>
<td>C</td>
<td>3</td>
<td>2.5</td>
<td>2</td>
<td>1.5</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>P</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Grade point averages are determined by adding the weighted grades earned 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.

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 GRC (Guidance 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:

<table>
<thead>
<tr>
<th>AP Course</th>
<th>AP Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Art History</td>
<td>AP Macroeconomics</td>
</tr>
<tr>
<td>AP Biology</td>
<td>AP Microeconomics</td>
</tr>
<tr>
<td>AP Calculus AB</td>
<td>AP Music Theory</td>
</tr>
<tr>
<td>AP Calculus BC</td>
<td>AP Physics 1</td>
</tr>
<tr>
<td>AP Chemistry</td>
<td>AP Physics 2</td>
</tr>
<tr>
<td>AP Chinese Lang &amp; Culture</td>
<td>AP Physics C: Electricity &amp; Magnetism</td>
</tr>
<tr>
<td>AP Comparative Government &amp; Politics</td>
<td>AP Physics C: Mechanics</td>
</tr>
<tr>
<td>AP Computer Science A</td>
<td>AP Psychology</td>
</tr>
<tr>
<td>AP Computer Science Principles</td>
<td>AP Spanish Language</td>
</tr>
<tr>
<td>AP English Lang &amp; Comp</td>
<td></td>
</tr>
<tr>
<td>AP English Lit &amp; Comp</td>
<td>AP Spanish Literature &amp; Culture</td>
</tr>
<tr>
<td>AP Environmental Science</td>
<td>AP Statistics</td>
</tr>
<tr>
<td>AP European History</td>
<td>AP Studio Art: Drawing</td>
</tr>
<tr>
<td>AP French Language &amp; Culture</td>
<td>AP Studio Art: 2-D Design</td>
</tr>
<tr>
<td>AP German Language &amp; Culture</td>
<td>AP Studio Art: 3-D Design</td>
</tr>
<tr>
<td>AP Human Geography</td>
<td>AP US Government &amp; Politics</td>
</tr>
<tr>
<td>AP Latin</td>
<td>AP US History</td>
</tr>
<tr>
<td>AP Latin</td>
<td>AP World History</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>ENGLISH</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 Graduation Requirements in Academic Areas</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State Universities In Illinois</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>
</tr>
</tbody>
</table>
| **Math** | 3 years 
Algebra I 
Geometry 
Algebra II 
(Trigonometry some programs) | 2-4 years 
Algebra I 
Geometry 
Algebra II 
Trigonometry | 4 years recommended through Calculus | 2-3 years | 3 Years |
| **Science** | 3 years recommended 
areas: 
Biology 
Chemistry 
Physics | 2-4 years recommended 
areas: 
Biology 
Chemistry 
Physics | 4 years recommended 
areas: 
Biology 
Chemistry 
Physics | 2-3 years | |
| **Social Science** (college prep) | 3 years emphasis on history and government | 2-4 years | 3-4 years | 2-3 years | 2 1/2 years including Global Studies or AP World History and U.S. History Civics (Class of 2020 plus) |
| **World Language** | 2 years at some schools | 2-4 years at some schools | 3-4 years | 0-2 years |
| **Fine Arts** | 1 year at some schools | | | 1 year (also includes applied arts) |

* 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 CLUSTERS

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
The U.S. Department of Labor (DOL) predicts that jobs requiring science, engineering, and technical training will increase 34% between 2008 and 2018 (National Science Foundation, 2010). By 2018, the DOL projects that Illinois jobs requiring postsecondary education and training will grow by 418,000, as compared to 148,000 jobs for high school graduates and dropouts. Two million job vacancies will be created from both retirements and new jobs with over half of these requiring postsecondary credentials (Carnevale, A.P., & Smith, N., 2011). By 2018, 64% of all jobs in Illinois will require some postsecondary education and training. Of the jobs needing to be filled, an estimated 348,000 will be STEM-related, requiring extensive skill sets in science, technology, mathematics and/or engineering (My College Options & STEM Connectors, 2012).

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).

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

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 of instructional 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.
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 follow 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
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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## Course Index

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### Program for English Language Learners

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APPLIED ARTS COURSES

APPLIED ARTS COURSE CHART

FAMILY & CONSUMER SCIENCE COURSE CHART
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.

**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 consumers 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.

**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.

**TRANSCRIPTED 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.
ACCOUNTING I (302303) ................................................................. 1/2 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.

Second Semester
This course is recommended for college-bound students interested in continuing studies in the business field. Successful completion of this course will result in one high school credit and three college credits (equivalent to one semester) for MGT 111 from Harper College. 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. Semester exams will be taken at Harper College. Successful completion of this course will fulfill the Consumer Education graduation requirement.

INCUBATOREDU (304213) .......................................................... 1 Credit
INCUBATOREDU H (304214)
ACCELERATEDEDU (304314) ...................................................... 1 Credit
AcceleratorEDU Blended Option Course Number (304384)
Open to juniors
(sophomores will be given consideration after juniors have been placed)
Prerequisite: none (Department head approval needed for Business Accelerator enrollment)
Course Classification: 3
This course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business plan development. Over the course of the year, student teams will learn about marketing, accounting, human resources, as well as the legal aspects of running a business to get them geared up for Pitch Week. Pitch Week helps to further fire the entrepreneurial spirit by putting student teams in front of actual investors so they can pitch their innovative idea to win funding and turn their wishful thinking into a reality. Successful completion of this course will fulfill the Consumer Education graduation requirement.

◆ POSSIBLE HARPER COLLEGE CREDIT
✓ TRANSCRIBED COLLEGE CREDIT
◆ CREDIT BY EXAM
SEE PAGE 21 FOR MORE DETAILS
BUSINESS STUDIES

BUSINESS INTERNSHIP ...................................................(3030B3) CL 1 Credit
Open to: juniors and seniors .............................................(3030B9) WK 1 Credit
Prerequisite: none
Course classification: 3
Earn while you Learn! Business Internship allows students to work for high school credit...and a paycheck. With classroom learning and on-the-job training, students have the opportunity to explore career paths, experience the job process from job application to interview, understand general business concepts, improve communication skills, practice interpersonal skills, study consumer education, and identify the values important to become successful in the world of work.

This course receives 1 credit per semester - ½ credit for the classroom experience and ½ credit for employment in the community. Receive credit for two courses and attend only one class. Students must work an average of 15 hours per week and be a Junior or Senior who is 16 years of age. Students should have a job prior to the beginning of class. Successful completion of semesters one and two fulfills 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 organizational, structure, function and issues related to the health care environment. Emphasis placed on the importance of effective communication skills for health care professionals, teamwork 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
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 is approved by the Illinois Department of Public Health, Office of Health Regulations. Successful completion is required for application for the Nurse Aide Competency Exam. This course requires clinical hours that may take place on Saturdays or in the evenings.
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 engineering technology fields. This program is highly recommended for students interested in engineering and technology related career paths.

PLTW COURSE CHART

PLTW - INTRO TO ENGINEERING DESIGN HONORS (316104) ..............1 Credit
Open to freshmen, sophomores and juniors
Course Classification: 4
Introduction to Engineering Design encourages students to employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the community. Students are encouraged to be creative in applying decision-making and problem-solving skills to specific design problems, using powerful computer hardware and software (Inventor) to develop 3-D models or solid renderings. Using a CAD (computer-aided-design) system, students explore the design process through creating, analyzing, rendering, and producing concept models & 3-D print models.

Instructional Themes: Design Process, Technical Sketching & Drawing, Measurement Statistics, Modeling Skills, Geometry of Design, Reverse Engineering, Technical Documentation, Advanced Computer Modeling, Design Team, Design Challenges. Upon successful completion of this course, students will have the opportunity to receive 3 hours of transcripted credit from University of Iowa for ENGR 1100. Students need a 6-9 Stanine on the EoC Test, complete the application within one year of completion, and pay $150 for the transcripted credit.

POSSIBLE HARPER COLLEGE CREDIT
TRANSCRIPTED COLLEGE CREDIT
CREDIT BY EXAM
SEE PAGE 21 FOR MORE DETAILS
PLTW - PRINCIPLES OF ENGINEERING (316115) ................................. 1 Credit
Blended Course Option (3161B5)
Open to sophomores, juniors, and seniors
Prerequisite: PLTW-Introduction to Engineering
Course Classification: 5
This course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high tech careers. Principles of Engineering (POE) gives students the opportunity to develop skills and understanding of course concepts through related activities, projects, problem-based learning, and teamwork which challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.
Instructional Themes: Mechanisms, Energy Sources, Energy Applications, Machine Control, Fluid Power, Statics, Material Properties, Material Testing, Statistics, Kinematics. Upon successful completion of this course, students will have the opportunity to receive 3 hours of transcripted credit from University of Iowa for ENGR 1100. Students need a 6-9 Stanine on the EoC Test, complete the application within one year of completion, and pay $150 for the transcripted credit.

PLTW - DIGITAL ELECTRONICS (316125) ................................. 1 Credit
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
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.
Instructional Themes: Civil Engineering & Architecture History & Careers, Residential Design, Building Design & Construction, Cost & Efficiency, Commercial Building Systems, Structures, Services & Utilities, Site Consideration, Commercial Building Design Challenge and Presentation. Upon successful completion of this course, students will have the opportunity to receive 3 hours of transcripted credit from University of Iowa for CEE201. Students need a 6-9 Stanine on the EoC Test, complete the application within one year of completion, and pay $150 for the transcripted credit.

PLTW - ENGINEERING DESIGN & DEVELOPMENT (316145) ........... 1 Credit
Blended Course Option (3164B5)
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.

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 seekers, industry representatives, and professional engineers. This course provides a unique opportunity for students to explore their interests in engineering while also gaining valuable hands-on experience in the field. Students work on real-world projects and collaborate with professionals from various industries to solve challenging problems. The EDD course is designed to help students develop critical thinking, problem-solving, and teamwork skills, which are essential for success in the engineering profession.

Instructional Themes: Civil Engineering & Architecture History & Careers, Residential Design, Building Design & Construction, Cost & Efficiency, Commercial Building Systems, Structures, Services & Utilities, Site Consideration, Commercial Building Design Challenge and Presentation. Upon successful completion of this course, students will have the opportunity to receive 3 hours of transcripted credit from University of Iowa for CEE201. Students need a 6-9 Stanine on the EoC Test, complete the application within one year of completion, and pay $150 for the transcripted credit.

PLTW - ENGINEERING DESIGN & DEVELOPMENT (316145) ........... 1 Credit
Blended Course Option (3164B5)
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.

Instructional Themes: Civil Engineering & Architecture History & Careers, Residential Design, Building Design & Construction, Cost & Efficiency, Commercial Building Systems, Structures, Services & Utilities, Site Consideration, Commercial Building Design Challenge and Presentation. Upon successful completion of this course, students will have the opportunity to receive 3 hours of transcripted credit from University of Iowa for CEE201. Students need a 6-9 Stanine on the EoC Test, complete the application within one year of completion, and pay $150 for the transcripted credit.

PLTW - ENGINEERING DESIGN & DEVELOPMENT (316145) ........... 1 Credit
Blended Course Option (3164B5)
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 drawing 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.

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 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

POSSIBLE HARPER COLLEGE CREDIT
TRANSCRIBED COLLEGE CREDIT
CREDIT BY EXAM
SEE PAGE 21 FOR MORE DETAILS
ADV. DIGITAL ARTS PORTFOLIO (312053) ........................ 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) ........................ ½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3 (OR 4)
These courses are designed to introduce the student to a general overview of the Graphic Design and Communications Industry. The Adobe Creative Suite will be explored for page layout, graphics manipulations, photo editing, scanning, and layout design principles. The course covers the use of the computer for design applications and production processes. Computer software proficiency will be gained in word processing, Adobe InDesign, Adobe PhotoShop and Adobe Illustrator. Student interest projects will be used to gain hands-on experience and allow for the development of creativity. The development of a portfolio of the student's work will be expected.

MOBILE APPS DEVELOPMENT (314304) ...................................... 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: none
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
Open to 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, algorithmic 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 error 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 A (314005) ........................................... 1 Credit
Blended Option Course Number (314085)
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, access, 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
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 (314225) ............................ 1 Credit
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

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.
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 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.

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. Safety and sanitation instruction and classroom application will prepare students for an industry recognized sanitation exam. Students will learn about restaurant management and develop skills to work in front of house, back of the house and work stations while producing international dishes for customers. Current trends in the food industry will be covered and students will be provided opportunity-training experiences on commercial equipment. Additional content may include: event planning, customer service and relations, and food service styles. A fee of $35 per semester is required.
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 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. 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 III (403303) .................................................................½ Credit**
Open to sophomores, juniors and seniors
Prerequisite: sequential
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 IV (403403) .................................................................½ Credit**
Open to sophomores, juniors and seniors
Prerequisite: sequential w/ a grade of B or higher and with teacher rec.
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.

**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 with teacher rec.
Course classification: 4
This course is designed to meet the needs of extremely skilled and motivated fashion students. Students will design an original garment and make and embellish another garment. 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**

**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, measurement, hand tool use and identification, wood joints, board foot computation, power tool and machine use, project selection, planning and construction. 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, organization of materials, project construction, special jigs and setups, wood lathe face plate turning, hand and power tool/machine maintenance and care. 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 with 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 (318503) .................................................................½ Credit
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 with 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/Sculture 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/Sculture 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 semester
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 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.

DUAL CREDIT CLASSES - HARPER COLLEGE

EARN HIGH SCHOOL 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 (497403) ...................................... 1 Credit
Open to juniors and seniors
Prerequisite: math and reading assessment
Course classification: 3
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 (497413) ................................................................. 1 Credit
Open to juniors and seniors
Prerequisite: Introductory Electronics
Course classification: 3
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 (497313) .................................................... 1 Credit /sem
Open to juniors and seniors
Prerequisite: none
Course classification: 3
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 (497323) ......................... 1 Credit/sem
Open to juniors and seniors
Prerequisite: Heating Principles 497313
Course classification: 3
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 (498103) .......................... ½ Credit/sem
Open to seniors only
Prerequisite: B average or better
Course classification: 3
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 (498203) ............................................................... ½ Credit/sem
Open to seniors only
Prerequisite: B average or better; Intro to Criminal Justice
Course classification: 3
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 (498303) ............................................................... ½ Credit/sem
Open to juniors and seniors
Prerequisite: none
Course classification: 3
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 (491303) ....................... ½ Credit
Open to seniors
Prerequisite: none
Course classification: 3
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 (494303) ....................... ½ Credit
Open to seniors only
Prerequisite: C or better or concurrent enrollment in 494103
Course classification: 3
This course provides students an opportunity to observe selected occupations within a health care 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 (493103) ..................................................... ½ Credit
Offered only Fall semester
Open to seniors only
Prerequisite: B or better in English
Course classification: 3
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 (493203) .................................................... ½ Credit
Offered only Spring semester
Open to seniors only
Prerequisite: completion of Sign Language 1 with a grade of B or better
Course classification: 3
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 (493303) ......................... ½ Credit
Open to seniors
Prerequisite: B average or better
Course classification: 3
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.
## ENGLISH COURSES

### Grade 9
- **College Prep**
  - Freshman English
- **Honors**
  - Freshman English

### Grade 10
- **College Prep**
  - Sophomore English
- **Honors or Adv. Honors**
  - Sophomore English H/AH

### Grade 11
- **College Prep or Survey**
  - Junior English
- **Honors or AP**
  - Junior English H
  - **AP options**

### Grade 12
- **College Prep**
  - 1 year of Language & Comp. or
  - *2 Senior English semester-length courses
- **Honors or AP**
  - *Senior English H
  - Semester options
  - **AP options**

### *Senior English: Semester-Length Courses*
- *Creative Writing*
- *Myth and Folklore*
- *Literature and Film*

*(Pending) ENG 101 Dual BHS and Harper credit*
This course may be transferrable to a 4-year college for sem. 1 college Freshman English credit

### **AP Language and Composition / AP Lit. and Comp: year-long course options**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Interrelated Arts</td>
<td>(Application required)</td>
</tr>
<tr>
<td>AP Rhetorical Analysis</td>
<td>(AP Lang. exam prep.)</td>
</tr>
<tr>
<td>AP Literature and Comp.</td>
<td>(AP Lit. exam prep.)</td>
</tr>
<tr>
<td>AP Language and Comp.</td>
<td>(AP Lang. exam prep.)</td>
</tr>
</tbody>
</table>

### Notes
There are three courses that prepare for the AP Language and Composition Exam:
- AP Language and Composition – Interrelated Arts (Application Only)
- AP Language and Composition – Rhetorical Analysis
- AP Language and Composition – AP Seniors

There is one course that prepares for the AP Literature Exam:
- AP Literature and Composition

**SPEECH 101 (Dual Credit)**
This course may be transferrable to a 4-year college for one semester of college Speech credit.
*This course does not meet BHS English graduation requirement.*
INTRODUCTION

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 classes in order to fulfill graduation requirements.

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 courses are offered in Language and Composition and Literature and Composition. All students are eligible to take Advanced Placement courses 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 rigors and independence of college. Check individual course offerings and talk to your counselor to find the blended offerings best suited for you.

COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit</th>
<th>Prerequisite</th>
<th>Course Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR ENGLISH H (201204)</td>
<td>Open to freshmen</td>
<td>1 Credit</td>
<td>teacher recommendation, an A in 8th grade English, and high marks on tests used for placement.</td>
<td>4</td>
</tr>
<tr>
<td>FR ENGLISH COLLEGE PREP (201203)</td>
<td>Open to freshmen</td>
<td>1 Credit</td>
<td>none</td>
<td>3</td>
</tr>
</tbody>
</table>

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. 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.

AP ENGLISH LANGUAGE/IA (203225) | Open to juniors | 1 Credit | Teacher recommendation | 5 |

Interrelated Arts is a year-long AP Language course that offers a challenging, interdisciplinary curriculum centered in the American literary heritage. This team-taught AP Language course explores philosophical connections between literature, art, architecture, and music. Particular attention is given to the tension between idealism and realism in the American experience. Additionally, students examine influential 19th and 20th century European arts movements to better understand American modernism. Rhetorical analysis of literature and other media helps students understand the relationship between form and function, a basis for understanding all the arts. At the heart of the curriculum are 5-6 field trips that provide first hand experience with the arts, resulting in rich writing opportunities for students as they develop critical observation and analysis skills. Field trips include visits to the Museum of Contemporary Art, The Art Institute, The Chicago Symphony Orchestra, the Lyric Opera, Frank Lloyd Wright Home/Studio and an extensive tour of Chicago Loop architecture. Students write formal analytical, persuasive, and researched essays about literature and the arts, as well as informal compositions to develop their own rhetorical strategies. Integrated throughout the course is practice selecting and refining research topics, evaluating online and print sources, and synthesizing thinking drawn from multiple sources. Review of grammar, usage, and writing strategies reinforces the core curriculum of the course and prepares students for the Advanced Placement English Language and Composition Exam and other college entrance exams. A fee of $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.

JR ENGLISH H (203204) ............................................................... 1 Credit
Open to juniors
Prerequisite: Successful completion of the previous year’s honors course, with teacher recommendation, OR an A in the college prep level course with teacher recommendation.
Course classification: 4

JR ENGLISH COLLEGE PREP (203203) ....................................... 1 Credit
Open to juniors
Prerequisite: Sophomore English
Course classification: 3

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.

JR ENGLISH COLLEGE PREP SURVEY (203103) ....................... 1 Credit
Open to juniors
Prerequisite: Sophomore English
Course classification: 3
The literature curriculum for junior college prep focuses on the role of the individual within the family and the larger community; it examines an individual’s sense of responsibility for his/her actions and moral development, with an emphasis on the American experience. Students will read a wide variety of novels, dramas, short stories and nonfiction works. Core works that examine these topics include Death of a Salesman, One Flew Over the Cuckoo’s Nest, Unwind, and Monster. The texts selected reflect current issues in adolescent development and may change from year to year, to suit the needs of the students. The literature provides the basis for self-reflection and self-expression. The course provides students with the reading and writing skills necessary for the further study of sophisticated text. Research skills are taught by incorporating topics which provide historical and cultural perspectives on American society, as well as topics of personal interest to individual student growth. Many opportunities for media literacy arise in the study of film, TV, non-fiction print sources and web based texts. The course also includes a thorough review of grammar in preparation for the ACT.

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.

AP ENGLISH LANGUAGE
AND COMPOSITION (204715) .................................................... 1 Credit
Open to seniors
Prerequisite: teacher recommendation
Course classification: 5
AP English Language and Composition aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. This course prepares students for the Advanced Placement Exam in Language 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 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.
The goal of Creative Writing is to assist each student in the fullest expression of his or her unique voice in writing. Through reading the works of other writers, both professionals and peers, and through writing assignments that allow for a wide range of experimentation in various genres, students become familiar with their creative writing options. By sharing their work with others, they grow as writers in an atmosphere that encourages honest, tactful, and supportive responses. Students experiment with both traditional and modern poetic verse; experiment with narrative points of view, strategies of characterization, and other components of fiction; compose a narrative and/or reflection in which a significant moment of personal experience is the focal point; and write a one-act play with attention to dialogue, blocking, lighting, and scenery.

STUDIES IN LITERATURE AND FILM (204433) .................................................. ½ Credit
STUDIES IN LITERATURE AND FILM H (204434)
Open to seniors
Prerequisite: Junior English
Course classification: 3 or 4 (teacher recommendation)

This one semester senior course acquaints students with the myths, legends, fables and folklore that form the background and tradition of our literary heritage. Students will study a broad range of stories from a variety of cultures around the world: myths that convey the traditions of ancient and modern cultures; classic and modern legends, including Arthurian legend as well as contemporary Grail quests; and the folklore that helps to shape national, regional, and ethnic identities. Students will demonstrate their understanding of the significance of this literature through analytical writing and research as well as the creation of their own stories.

JOURNALISM (206013)
JOURNALISM H (206014).............................................................................. 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: consent of the instructor
Course classification: 3 (4 by petition from 2nd, 3rd or 4th year student)

Journalism includes a three-year scope and sequence of laboratory experiences that contribute to the production of the student newspaper, the Round-Up. Students are instructed in and practice the following journalistic skills: news writing, interviewing, feature story writing, editorial writing, writing reviews, copy reading, proof reading, headline writing, research (both on-line and print), and layout and design. The ethics and social responsibility of the journalism profession are discussed in depth. Fine and Applied Arts credit may be petitioned for by third-year students who demonstrate a mastery of layout and design skills.

PHOTOJOURNALISM (206113),
PHOTOJOURNALISM H (206114) (YEARBOOK)............................................ 1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Consent of instructor/application
Course classification: 3 (4 by petition from 2nd, 3rd or 4th year student)

This year-long course deals with writing, photography, and graphic elements in publishing. Anyone wishing to be on the yearbook staff must register for this course. Laboratory experiences result in production of the school yearbook and other projects. All yearbook staff members will be assigned duties outside of class during the school day, and after regular school hours.
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 vocational goals; hence the arts are often referred to as “the fourth R.” Our fine arts curriculum challenges students to think creatively, encourages risk-taking, and enables students to apply their problem-solving skills beyond the classroom.

Visual art students progress through studio courses of their choice, among which are Ceramics, Design/Sculpture, Drawing/Painting, Metal and Jewelry Arts, Photography, Digital Photography and Printmaking.

Students will be eligible to apply for honors credit after completing four semesters in ceramics, design, jewelry, painting, or printmaking and 2 semesters in photography. 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.

Incoming seniors who intend to enroll in the Advanced Placement Art Portfolio program (2-D Design (photography), 3-D Design, or Drawing/Painting) must enroll in a (year-long) AP Studio course as well as an additional art class each semester. Juniors may apply for Honors credit and will be required to submit a portfolio for review by the BHS art faculty.

Advanced Placement Art History is available to juniors and seniors upon teacher recommendation, visual art or English faculty. AP Art History may take the place of a 2nd studio class for continuing AP studio seniors.

Theater students begin their sequence of studies with one semester of Theater I in the fall term, followed by one semester of Theater II offered in the spring. (Although these classes may be taken in separate years, it is recommended for the classes to be taken in the same year.) Both classes are prerequisites for Actor’s Workshop. These classes may be taken through repeated semesters. Honors credit is available for Actor’s Workshop. Independent Study may be requested by seniors who have completed a full year of Actor’s Workshop.

Students who wish to study choral music begin with Concert Choir (male) and may continue, by audition, through Select Ensemble, Senior a Cappella, Chamber Choir, Madrigal Choir, or the contemporary vocal ensembles.

A variety of instrumental music courses is offered for band and orchestra students. Students wishing to study music in a non-performance setting are invited to enroll in Music Appreciation and/or Electronic Music Composition. AP Music Theory is highly recommended for students of vocal or instrumental music studies who plan to continue in music at the collegiate level.

Dance and Movement studies (listed under “Life Skills”) May also be taken to achieve a fine art credit. Woods (listed under “Applied Arts”)
AP STUDIO COURSE DESCRIPTION
Junior and Senior art students wishing to do college-level work in studio art may apply for any one of these courses by submitting a portfolio for review in 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 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 (Painting, Drawing, Photography, and 3D) Advanced placement exam fee required.

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
A.P. Art History, a year-long course, is a critical study and understanding of architecture, sculpture, 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 & AP)
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 mâché, 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.

DRAWING / PAINTING I (112103) ....................................................... ½ Credit
DRAWING / PAINTING II (112203) ..................................................... ½ Credit
DRAWING / PAINTING III (112303) ................................................... ½ Credit
DRAWING / PAINTING IV (112403) .................................................... ½ Credit
ADVANCED DRAWING / PAINTING (112503) .................................. ½ Credit
ADVANCED HONORS (112504) .......................................................... ½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3 (4 by petition for Adv. Honors)
Drawing/Painting is for students who want to learn how to draw or to improve their current drawing/painting skills. Students will improve their ability to think and see creatively as they work on putting their unique ideas in visual form. Assignments focusing on different approaches to drawing and painting will include working from close observation, working conceptually, and working with personal expression. Students will experiment with a variety of materials: pencil, pastel, ink, charcoal, oil pastel, watercolor, and mixed media. Emphasis is placed on learning how to use materials and appreciate the role of process in making art. The class is designed for all levels of ability. Assignments are designed to meet individual differences. Drawing/Painting I has no prerequisite. Students who wish to explore advanced drawing/paintings concepts and techniques may continue through Drawing/Painting II, III, and IV. Evaluation is based on effort and progress. Fee is $25 per semester.

PRINTMAKING I (117103) ................................................................. ½ Credit
PRINTMAKING II (117203) ............................................................... ½ Credit
PRINTMAKING III (117303) .............................................................. ½ Credit
PRINTMAKING IV (117403) .............................................................. ½ Credit
ADVANCED PRINTMAKING (117503) ............................................. ½ Credit
ADVANCED HONORS (117504) ......................................................... ½ Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3 (4 by petition for Adv. Honors)
Printmaking is a class for students interested in fine art, fashion, and/or design. Students will learn to make multiple prints (or copies of your image) onto paper and fabric to create works of art as well as wearable pieces. Carve wood and linoleum, etch plastic and metal plates, screen print, create mono prints, and try a variety of other experimental techniques. No prerequisite is required for Printmaking I and all levels of art ability are welcome. In Printmaking II, III and IV more explorative and experimental approaches to the above processes will be stressed. Evaluation is based on effort and progress. Fee is $30 per semester.
METAL AND JEWELRY ARTS I (114103) .........................................................½ Credit
METAL AND JEWELRY ARTS II (114203) ...........................................½ Credit
METAL AND JEWELRY ARTS III (114303) ...........................................½ Credit
METAL AND JEWELRY ARTS IV (114403) ...........................................½ Credit
ADVANCED METAL AND JEWELRY ARTS (114503) ......................½ Credit
ADVANCED HONORS (114504) .............................................................½ Credit

Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3 (4 by petition for Adv. Honors)

This course is designed to familiarize students with basic and traditional metal techniques involved in the design and creation of one-of-a-kind jewelry and metal objects. Students learn how easy it is to be creative with original designs from nature and other sources. Design inspiration from contemporary and historical fine art jewelry will be encouraged. Students can make cast and fabricated rings and pendants. Bracelets, neckpieces, small containers and sculpture can be formed with hammers and soldered together. Special projects include Blacksmithing, Glass Bead making, Cloisonné enameling, and Lost Wax Casting. Materials include silver, copper, brass, iron, pewter, wood, plastic, and found objects. No prerequisite is required for Metal and Jewelry Arts I. Students can continue in jewelry class every semester with Jewelry II, III, and IV. Evaluation is based on effort and progress. All basic tools and materials are provided. Also required are a combination lock and a sketch book. Fee is $35 per semester.

CERAMICS I (111103) ...........................................................................½ Credit
CERAMICS II (111203) ........................................................................½ Credit
CERAMICS III (111303) ........................................................................½ Credit
CERAMICS IV (111403) ........................................................................½ Credit
ADVANCED CERAMICS (111503) ..........................................................½ Credit
ADVANCED HONORS (111504) .............................................................½ Credit

Open to freshmen, sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3 (4 by petition for Adv. Honors)

Ceramics is a studio, project-oriented art class. The majority of class time is directed towards completing hands-on project constructions in clay. The emphasis for beginning students is to learn process; hand building with slab, coil construction and glazing. No prerequisite is required for Ceramics I. Those continuing in Ceramics II, III and IV will create more conceptually oriented assignments at an advanced ability level. Advanced 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 $40 per semester.

PHOTOGRAPHY I (116103) .....................................................................½ Credit
PHOTOGRAPHY II (116203) .................................................................½ Credit
PHOTOGRAPHY III (116303) .................................................................½ Credit
PHOTOGRAPHY IV (116403) .................................................................½ Credit
ADVANCED PHOTOGRAPHY (116503) ...............................................½ Credit
ADVANCED HONORS (116504) .............................................................½ Credit
Open to sophomores, juniors and seniors
Prerequisite: sequential
Course classification: 3 (4 or 5 by petition for Adv. Honors)

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 one pack of paper); additional expenses for film, papers and field trips.

DIGITAL PHOTOGRAPHY I (116613)
DIGITAL PHOTOGRAPHY II (116623)
DIGITAL PHOTOGRAPHY III (116633)
DIGITAL PHOTOGRAPHY IV (116643)
DIGITAL PHOTOGRAPHY ADVANCED (116653)
DIGITAL PHOTOGRAPHY ADVANCED H (116654) ..................................½ Credit

Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3 (4 by petition for Adv. Honors)

In Digital Photography, students learn to apply traditional photographic principles to a digital medium. The course covers the primary mechanical and conceptual differences between digital imaging and traditional film photography. 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 software 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). Students must also provide their own external hard drive. Fee is $75, includes one pack of paper.

THEATRE I (101013) ............................................................................½ Credit
THEATRE II (101023) ..........................................................................½ Credit

Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3

Theatre combines the study of acting with the study and analysis of dramatic literature and play production. Students will prepare and perform improvisations, monologues and group scenes which will be presented in class and to evening audiences. Textbook and outside readings will be required and evaluated by tests. Field trips to live theatre performances will be offered as appropriate. Attendance or participation in the shows produced by the department during the semester(s) is encouraged. Fee is $15 per semester.
is $25 per semester.

ensemble festival, Fine Arts Musical Pit Orchestra, and performances each year that are required for participation. Ninth challenges unique to 9th grade students. Students will perform several concerts, home football games, marching and concert band contests is a requirement of the course. Fee is $25 per semester.

Building on the skills that they learned in the middle school orchestra, students will continue learning the foundational skills for playing in high school orchestra, a set of common terminology and addressing technical challenges unique to 9th grade students. Students will perform several evening concerts each year that are required for participation. Ninth grade students may also participate in the IMEA 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 choir. Fee is $25 per semester.

Jazz Ensemble is a jazz big band which rehearses and performs contemporary jazz as well as traditional swing music. In the group there is a heavy emphasis on individual study resulting in a high degree of skill. Its performances include local concerts as well as jazz festivals. Participation is by audition, and the group’s activities are mandatory. Fee is $25 per semester.

The major activity is the rehearsal and performance of standard high school band literature. Members of Concert Band join Symphonic Band to form the BHS Marching Broncos whose main activity is marching and performing at all the BHS home football games. Performance in evening concerts and home football games and marching contests is a requirement of the course. Students enrolled in concert band must have 5th hour lunch 1st semester to fulfill marching requirements. Fee is $25 per semester.

The major activities are the rehearsal and performance of serious compositional forms. Membership in this group is open to freshmen through seniors who have successfully met the audition requirements of the instructor. Fall enrollment permits continued participation for the entire year and the earning of one full credit. The course can be repeated since each semester will pursue scripts and projects compatible with the talent and interest of those in the class. Units will include character monologues, duet acting scenes, group productions, and a wide variety of theatre games. Honor’s credit is available by contract. Attendance or participation in the shows produced by the department during the semester is required. Fee is $15 per semester.

The major activity is the rehearsal and performance of 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 our own and other 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 IMEA Honors orchestra, solo/ensemble festival, Fine Arts Musical Pit Orchestra, and performances in the community. Fee is $25 per semester.

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CONCERT CHOIR (103203) ..................................................................... 1 Credit

Open to freshmen, sophomores, juniors, and seniors

Prerequisite: audition

Course classification: 3 (4 by petition)

Concert Choir is an advanced class for students interested in learning how to sing, read music and become part of the BHS choral program. Fundamental singing techniques and musicianship will be emphasized through a wide variety of vocal 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 evening concerts is mandatory. Fee is $7.50 per semester.

SELECT ENSEMBLE (103303) ........................................................... 1 Credit

Open to female sophomores, juniors, and seniors

Prerequisite: audition

Course classification: 3 (4 by petition)

This is an advanced beginner/intermediate choir for grades 10 through 12. Students must audition for this course. Fundamental singing techniques and music reading will be stressed. Madrigals are a part of this choir. Students perform at the fall, holiday, mid-winter and spring concerts. Performance in evening concerts is a requirement of the course. Fee is $7.50 per semester.

SENIOR A' CAPPELLA H (103503) ....................................................... 1 Credit

Open to juniors and seniors

Prerequisite: none

Course classification: 3 (4 by petition)

This is an advanced level choir. Students may enroll if they have 1 year of choral experience or consent of instructor. Students perform at the fall, holiday, mid-winter and spring concerts as well as numerous performances in the community. Change-up Pop Ensemble is part of this choir. Each year there is a great variety of additional choir activities which are handled by the officers. Fee is $7.50 per semester.

CHAMBER CHOIR (103403) ............................................................... 1 Credit

Open to juniors and seniors

Prerequisite: audition

Course classification: 3 (4 by petition)

Madrigals is part of this choir. This is an additional section of Senior A' Cappella choir. It is an advanced group composed of two Madrigal Ensembles focusing on advanced literature and vocal techniques. Three mandatory concerts each year as well as various other performance opportunities are required. Singers will be selected on the basis of tone quality, sensitivity to style, oral acuity and pitch, as well as sight reading skills. Fee is $7.50 per semester.
MATHEMATICS COURSES

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

Class of 2022

DEPARTMENT OF MATHEMATICS & COMPUTER SCIENCE

FLOwCHART
Class of 2021, 2020, 2019

Department of Mathematics & Computer Science Flowchart
### MATH COURSES

**Open to freshmen**

**ALGEBRA I (601223) ................................................................................ 1 Credit**
- Prerequisite: Teacher recommendation
- Foundation of algebra includes: Variables, expressions, properties of operations, solving equations, and inequalities.

**Open to freshmen, sophomores, juniors, and seniors**

**ALGEBRA II-B (603203) ............................................................................1 Credit**
- Prerequisite: Teacher recommendation
- This course includes the study of relations, algebraic manipulations, and the solving of equations. It covers the following function families: polynomial, rational, exponential, logarithmic, and trigonometric.

**Open to freshmen, sophomores, juniors, and seniors**

**ALGEBRA II-C (603103) ............................................................................1 Credit**
- Prerequisite: Geometry, and teacher recommendation
- This course is designed for students who wish to maintain their skills in algebra.

**Open to freshmen, sophomores, juniors, and seniors**

**ALGEBRA II/TRIG HONORS (603214) ..................................................1 Credit**
- Prerequisite: Successful completion of Algebra I
- This class is designed to give students the skills needed to develop and approach the study of trigonometry.

**Open to freshmen, sophomores, juniors, and seniors**

**GEOMETRY (602213 (FR)/602113 (SO, JR, SR)) ............................1 Credit**
- Prerequisite: Teacher recommendation
- The course is designed to provide students with the skills needed to develop and approach the study of geometry.

**Open to freshmen, sophomores, juniors, and seniors**

**GEOMETRY HONORS (602214) .............................................................1 Credit**
- Prerequisite: Teacher recommendation
- This class is designed to give students the skills needed to develop and approach the study of geometry.

**Open to freshmen, sophomores, juniors, and seniors**

**EXTENDED MATH 9 HONORS (601244) .............................................1 Credit**
- Prerequisite: Geometry Honors
- This course is designed to give students the skills needed to develop and approach the study of advanced mathematics.

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**Graphing Calculator Recommendation**
- It is strongly recommended that all students bring a TI-84 graphing calculator to class on a daily basis.

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**Future Digital Assessments**
- Assessments may use online calculators such as the one at DESMOS.

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**Mathematics in Society**
- Mathematics is ever-present in society and when used appropriately, should understand that:
  1. The teaching and learning of mathematics not only develops the learner and risk-takers that utilize skills and technology appropriately.
  2. The development of mathematical skills and knowledge allows us to address meaningful problems and situations.
  3. The relevant use of appropriate technology can assist in simplifying, promoting the ability to think in multiple dimensions geometrically. This type of work is expected. Algebraic aspects of coordinate geometry are woven throughout the course. Excellence in the quality of work is expected.
  4. The development of mathematical skills and knowledge allows us to address meaningful problems and situations.

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TRANSITION TO COLLEGE MATH (604113) ................................. 1 Credit
Open to juniors and seniors
Prerequisite: Geometry, Algebra II, and teacher recommendation.
Students that have completed Algebra II-B, College Algebra, or Trigonometry, should not enroll in this course without departmental approval.

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 juniors and 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.

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-A, 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 A (604204) .................................................... 1 Credit
Open to students intending to take AP Calculus AB in the future
Prerequisite: Algebra II-A/Trigonometry A, 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 B (604203) .................................................... 1 Credit
Open to juniors and seniors
Students having completed Algebra II-A/Trigonometry-A should refer to Pre-Calculus-A 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 A (604205) ................................................. 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Geometry A, Algebra II-A/Trig A, teacher recommendation & demonstrated proficiency on Dept. Final Exam
Course classification: 5
Students registering for this course should have an excellent command of the skills and concepts of Algebra II-A and Trigonometry A 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 coursework for 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. This second semester of this course repeats the first semester curriculum of AP Calculus AB (below).

AP CALCULUS AB (604405) ........................................................................ 1 Credit
Open to juniors and seniors
Not recommended for students having taken Accelerated Pre-Calculus A
Prerequisite: Pre-Calculus A 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 A. Students having completed Pre-Calculus B 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 repeats the curriculum of second semester Pre-Calculus A (above). 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
Not recommended for students having taken AP Calculus AB
Prerequisite: Accelerated Pre-Calculus A
Course classification: 5
This two semester course is a continuation of Calculus BC I (Semester 2 of Pre-Calculus Accelerated) which 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 (604703) .................................................................................. 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)

POSSIBLE HARPER COLLEGE CREDIT
TRANSCRIPTED COLLEGE CREDIT
CREDIT BY EXAM
SEE PAGE 21 FOR MORE DETAILS
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 in CPR.

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 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.

PHYSICAL EDUCATION CLASSES

FRESHMEN PHYS. ED. (901109) .......................................................... 1/4 credit
Open to freshmen
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
Blended Option Course Number (9021B9)
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 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. (A fee of $100 will be assessed to students who are in the blended section of this course).

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. 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 through the semester.

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 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 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 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 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 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 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 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 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 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.
HEALTH EDUCATION (902103) ........................................................................ ½ Credit
Blended Option Course Number (9021B3)
Open to sophomores
Prerequisite: none
Course classification: 3
Health Education is a state-mandated one semester course. Course content will include first aid instruction and the following health topics: mental health, nutrition, fitness, chemical dependency, sex education, life/death education and diseases.

TEAM SPORTS (903119) ........................................................................ 1/4 credit
Open to juniors and seniors
Prerequisite: None
Course classification: 3
This course is designed for students that enjoy participating in team type sports. These students will benefit from athletic competition in lifetime team activities with an emphasis on team strategies, sportsmanship, and game play. Sports offered may include (but are not limited to): flag football, soccer, basketball, volleyball, ultimate Frisbee, team handball, lacrosse, floor hockey, Omnikan ball, water polo or softball. 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.

LIFETIME ACTIVITIES (903159) ........................................................................ 1/4 credit
Open to juniors and seniors
Prerequisite: None
Course classification: 3
This course is designed for students that enjoy participating in individual lifetime activities. These students will benefit from athletic competition with an emphasis on game strategies, sportsmanship, and game play. Sports offered may include (but are not limited to): badminton, tennis, golf, swimming, pickle ball, aerobics /yoga, Pilates, volleyball, basketball, soccer, softball, splash and dash and spin training. 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.

FIT FOR FEMALES (903139) ........................................................................ 1/4 credit
Open to juniors and seniors
Prerequisite: None
Course classification: 3
This course is designed for students interested in women's health issues as well as a creating a personal fitness program. Students will examine such classroom topics as nutrition/weight management, social-emotional health, and other current women's health issues. Additionally, students will be fitness tested, create their own fitness goals, and improve their own training in such areas as cardiovascular fitness, muscular strength, muscular endurance, flexibility and body composition. Primary activities may include (but are not limited to) yoga, Pilates, core strengthening, high and low impact aerobics, swimming, stability ball training, fitness dance, light weights, bands, Bosu balls and other body resistance exercise.

WEIGHT LIFTING & CONDITIONING (903149) ........................................... 1/4 credit
Open to juniors and seniors
Prerequisite: None
Course classification: 3
This course is designed for students who want to a comprehensive strength and conditioning program. Students will be trained in a variety of methods including free weights, machine weights, Olympic lifts, technique, anatomy, circuit training, core fit exercises, resistance and cardiovascular training. Students will create and maintain an individualized fitness plan centered on the five components of fitness and general weight training concepts. Students will monitor their progress by the evaluation of their fitness plans as well as ongoing assessment of fitness through fitness testing.

ADVENTURE P.E. (904109) ....................................................................... 1/4 Credit
Open to 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. The importance of team work, group decision making and problem solving is emphasized along with climbing skills and techniques. 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.

A $60 field trip fee is required.
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.

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 guidance 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 Chemistry, AP Physics-C, AP Physics-1, or AP Physics-2. With the exception of 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 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, 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**

**BIOLOGY (801203)** ................................................................. 1 Credit
Blended Option Course Number (8012B3)
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.

**CHEMISTRY (802203)** ............................................................... 1 Credit
Blended Option Course Number (8022B3)
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.

**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

*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.*

**POSSIBLE HARPER COLLEGE CREDIT**
* TRANSCRIPTED COLLEGE CREDIT
◆ CREDIT BY EXAM
SEE PAGE 21 FOR MORE DETAILS
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.

PHYSICS (803203) ........................................................................................................ 1 Credit
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.

HORTICULTURE SCIENCE (804203) ................................................................. 1 Credit
Prerequisite: completion of Biology
Course classification: 3

Introduction to Horticulture Science orients 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.

ENVIRONMENTAL SCIENCE HONORS (804304) ........................................ 1 Credit
Prerequisite: Completion of Biology, Chemistry, Algebra with grades of C 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 concepts, principles 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.

HUMAN BIOLOGY HONORS (804404) .............................................................. 1 Credit
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.

ADVANCED EARTH SCIENCE (803603)
ADVANCED EARTH SCIENCE H (803604) .................................................. 1 Credit
Prerequisite: two years of high school science with C or better
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.

AP CHEMISTRY (802205) ................................................................. 2 Credits
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 BIOLOGY (804405) ................................................................. 2 Credits
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/or 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.
AP ENVIRONMENTAL SCIENCE (804525) ........................................... 1 Credit  
Open to juniors and seniors  
Prerequisite: Chemistry, Physics and Algebra II B with grades of B or better for both semesters.  
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.

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 B 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.

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.

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.
# SOCIAL STUDIES

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<td>AP Economics</td>
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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 1/2 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. The Class of 2020 and each graduating class thereafter will be required to take one semester of Civics.

Civics course will be offered for the first time during the 2018-19 school year. Members of the Class of 2020 will be eligible to take the offering during their junior or senior year. The new course is mandated by a state requirement. Those wishing to fulfill the requirement at the Advanced Placement level can earn the Civics requirement by completing the Advanced Placement Government course.

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
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 and sophomores
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) .............................. ½ Credit
Blended Option Course Numbers (7022B3 and H 7022B4)
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.

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 1/2 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. The Class of 2020 and each graduating class thereafter will be required to take one semester of Civics.

Civics course will be offered for the first time during the 2018-19 school year. Members of the Class of 2020 will be eligible to take the offering during their junior or senior year. The new course is mandated by a state requirement. Those wishing to fulfill the requirement at the Advanced Placement level can earn the Civics requirement by completing the Advanced Placement Government course.

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
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 and sophomores
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) .............................. ½ Credit
Blended Option Course Numbers (7022B3 and H 7022B4)
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) ................................................................. ½ Credit
THE LIVING LAW H (702404) ......................................................... ½ Credit

Blended Option Course Numbers (7024B3 and H 7024B4)
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. This course will receive an elective Social Studies credit.

AP EUROPEAN HISTORY (704605) ..................................................1 Credit
Open to sophomores, 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 A.P. European History. The goals of A.P. 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
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. Students will study the constitution with a required test. Completion of both semesters of this course fulfills the graduation requirement in U.S. History. Materials and expectations will be geared toward students who are about average in terms of reading ability.

ADVANCED TOPICS IN US HISTORY (703303) .............................½ Credit
ADVANCED TOPICS IN US HISTORY H (703304) .......................½ Credit
Blended Option Course Numbers (7033B3 and H 7033B4)
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 and may be taken for average or honors credit.

AP ECONOMICS (704505) ............................................................1 Credit
Open to juniors and seniors
Prerequisite: Successful completion of a previous social studies course
Course Classification 5
The AP course in Economics is intended to thoroughly introduce students to the principles of economics that apply to both the functions of individual decision makers (consumers and producers) and the economic system as a whole. The course will familiarize students with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics while emphasizing the nature and functions of product markets, the study of national income and price-level determination. Students will be prepared to take the Advanced Placement exam in both Microeconomics and Macroeconomics. Students who request the course must be prepared to read the required college level text and write at an advanced placement level.

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AP U.S. & COMPARATIVE GOVERNMENT (704305) ..............................1 Credit
Open to juniors and seniors
Prerequisite: Successful completion of a previous social studies course
Course Classification 5
This year long course is a college level study of government and politics in the United States and selected nations around the world. The first semester is dedicated to American government and politics and the second semester is comparative government with Great Britain, Russia/ the former USSR, China, Iran, Mexico and Nigeria. Reading of college level texts and appropriate writing exercises will be expected of all students. Completion of both semesters of this course satisfies the Illinois civics requirement.

GENDER STUDIES (704803) ...........................................................................½ Credit
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.

LATIN AMERICAN STUDIES (704703) .....................................................½ Credit
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.

AP PSYCHOLOGY (704215)............................................................................1 Credit
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.

AP HUMAN GEOGRAPHY (702505)............................................................1 Credit
Open to juniors and seniors
Prerequisite: Successful completion of Global Studies or AP World History
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.
INTRODUCTION
The World Language Department offers a five-year sequence of study in Mandarin Chinese, French, German, Latin, and Spanish. Beginning in Level I, 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. 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. While Chinese II Honors will follow the same general curriculum as Chinese II, there will be additional projects, differentiation of assignments and a higher standard for assessment.

CHINESE III (MANDARIN) (501303) ............................................. 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Chinese II and teacher recommendation
Course classification: 3

Based on the skills that they developed 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

Based on the skills that they developed 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 will follow the same general curriculum as Chinese III with additional projects, differentiation of some assignments and a higher standard for assessment.
Mandarin Chinese.
and written communication skills. This class will be conducted entirely in
three modes of communication. Emphasis is placed on refining oral
Students are expected to possess a strong command of Chinese in the
which culminates in the Advanced Placement Language and Culture
Advanced Placement Chinese V is a college-level course for students,
Course classification: 5
Prerequisite: Chinese IV or teacher recommendation
Building on the skills that they developed in Chinese III, students will
further refining their communication skills. Class will be conducted entirely
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.

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 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 further develop their understanding, 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 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 with ease 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 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 (502514)
☒ FRENCH V HONORS (502524) ................................................................. 1 Credit
Open to juniors and seniors
Prerequisite: French III or IV 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 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 create and converse 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 (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 create and converse 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
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.

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: 4
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 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.
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 as 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 German.

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. 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 IV (503403) ......................................................................................................................... 1 Credit
Open to juniors and seniors
Prerequisite: German III and teacher recommendation
Course classification: 3
This course 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. 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 will have an 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. 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.

LATIN V HONORS (504504) ...............................................................1 Credit
Open to seniors
Prerequisite: Latin IV or IV Honors and teacher recommendation
Course classification: 4
This class focuses on the works of the poet 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.

LATIN IV HONORS (504404) ...............................................................1 credit
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 other upper Latin classes.

LATIN IV (504403) ........................................................................1 Credit
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 III HONORS (504304) ...............................................................1 Credit
Open to juniors and seniors
Prerequisite: Latin II and teacher recommendation
Course classification: 4
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.

LATIN III (504303) ........................................................................1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Latin II and teacher recommendation
Course classification: 3
First semester begins with a thorough review of 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 II HONORS (504204) ...............................................................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 exclusively in German and students are expected to speak exclusively in German.

LATIN II (504203) ........................................................................1 Credit
Open to 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 I (504103) ........................................................................1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: none
Course classification: 3
Basic grammar is introduced through drills, readings and conversations. Nouns 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.

AP GERMAN LANGUAGE AND CULTURE (503505) .......................1 Credit
Open to seniors
Prerequisite: German IV and/or teacher recommendation
Course classification: 5
This 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.

GERMAN V HONORS (503514) ...............................................................1 Credit
Open to seniors
Prerequisite: German IV or IV Honors and teacher recommendation
Course classification: 4
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.

GERMAN IV HONORS (503404) ...............................................................1 Credit
Open to seniors
Prerequisite: German IV or IV Honors and teacher recommendation
Course classification: 4
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.

GERMAN IV (503403) ........................................................................1 Credit
Open to seniors
Prerequisite: German III 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, including some outside reading assignments.

GERMAN III HONORS (503304) ...............................................................1 Credit
Open to seniors
Prerequisite: German II and teacher recommendation
Course classification: 3
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 on the subjunctive mood and reading strategies. Written translations, sentence work, and derivative work are assigned frequently, including some outside reading assignments.

GERMAN III (503303) ........................................................................1 Credit
Open to seniors
Prerequisite: German II and teacher recommendation
Course classification: 3
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 on the subjunctive mood and reading strategies. Written translations, sentence work, and derivative work are assigned frequently, including some outside reading assignments.

GERMAN II HONORS (503204) ...............................................................1 Credit
Open to seniors
Prerequisite: German I and teacher recommendation
Course classification: 3
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 exclusively in German and students are expected to speak exclusively in German.

GERMAN II (503203) ........................................................................1 Credit
Open to seniors
Prerequisite: German I and teacher recommendation
Course classification: 3
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 exclusively in German and students are expected to speak exclusively in German.

GERMAN I (503103) ........................................................................1 Credit
Open to seniors
Prerequisite: none
Course classification: 3
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.

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AP LATIN (504505) ....................................................................................... 1 Credit
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 Gallica. Various selections will be read with a focus on the context and literary merit of each work. This class prepares students for the Advanced Placement Latin Exam.

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 well 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: 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 III (506303) ....................................................................................... 1 Credit
Open to sophomores, juniors and seniors
Prerequisite: Spanish II or III Honors (C or better) and teacher recommendation
Course classification: 4
Spanish III continues the in-depth exploration of all four skills in the Spanish language. Students continue to learn grammar and are expected to 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 course 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 Advance 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: 4
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 is a dynamic course in which students will be able to improve their fluency in an informal, structured atmosphere. Students will continue to develop advanced communication skills through the review of essential vocabulary and grammar. Included in this course are short stories, various speaking activities, and projects which enhance verbal and cultural learning. This course will also continue to explore cultural aspects from Spanish speaking countries. This course is conducted entirely in Spanish.

AP SPANISH LANGUAGE AND CULTURE (506505).........................1 Credit
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 505415.
Open to juniors and seniors
Prerequisite: Spanish IV and/or teacher recommendation
Course classification: 4
This course is designed to continue developing the reading, writing and speaking Spanish, but wish to improve their reading, writing and overall fluency of students who have grown up listening to and speaking Spanish, 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 I (505113) ..............................1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Placement exam results
Course classification: 3
This course is designed for students who have grown up listening to and speaking Spanish, but wish to improve their reading, writing and overall skills in the language. Students will study literature, vocabulary, culture and work in an appropriate challenging program for their skill level in Spanish. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish. To enroll in this course, a placement test will be given to determine the correct level of class.

SPANISH FOR SPANISH SPEAKERS II (505213) ............................1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Placement exam results
Course classification: 3
This course is designed to continue developing the reading, writing and fluency of students who have grown up with the Spanish language. Students will improve their grammar skills, read literature from various sources and complete projects related to the cultures studied. Students will enter the course after Spanish for Spanish Speakers 1 or via placement test results. 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 I (505113) ..............................1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: Placement exam results
Course classification: 3
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 (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 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.

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.
This course is designed to continue developing the reading, writing and fluency of students who have grown up with the Spanish language. Students will improve their grammar skills, read literature from various sources and complete projects related to the cultures studied. 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 enter the course after Spanish for Spanish Speakers I with at least a B or via placement test results and choose to take the honors level. The course is conducted exclusively in Spanish and students are expected to speak exclusively in Spanish.

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.

This 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.

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 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 specifically for students who are ready to challenge themselves in the three modes of communication. Students in this course will have the opportunity to receive 3 hours of Harper transcripted credit for Spanish 112 and 113.
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.

BEGINNING ENGLISH LANGUAGE LEARNER (205103) .............1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: testing
Course classification: 3
Fulfills English Req/ Double Period
Provides instruction for students who have completed, or are in the process of completing the Newcomer ELL classes, or who have received English language instruction in their country of origin, but have only beginning language proficiency. Students' Lexile scores will determine final placement. This individualized computer-based program, as well as teacher instruction, will place emphasis on developing listening, speaking, reading and writing skills. This class may be combined with another ELL course.

INTERMEDIATE ENGLISH LANGUAGE LEARNER (205203) .......1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: testing
Course classification: 3
Fulfills English Req/ Double Period
Provides instruction for students who have completed Beginning ELL classes. Students' Lexile scores will determine final placement. This individualized computer-based program, as well as teacher instruction, will place emphasis on developing listening, speaking, reading and writing skills. This class may be combined with another ELL course.

ADVANCED ENGLISH LANGUAGE LEARNER (205303) ............1 Credit
Open to freshmen, sophomores, juniors and seniors
Prerequisite: testing
Course classification: 3
Fulfills English Req/ Double Period
Provides instruction for students who have completed Intermediate ELL classes. Students' Lexile scores will determine final placement. This individualized computer-based program, as well as teacher instruction, will place emphasis on developing listening, speaking, reading and writing skills. This class may be combined with another ELL course.

HEALTH EDUCATION ................................................................. 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 ................................................................................. 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 .................................................................................. 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-C ........................................................................... 1 Credit
Open to juniors and seniors
Prerequisite: Geometry I-C
Course classification: 3
See listing in Mathematics Department. Recommended for those students who are enrolled in the Program for English Language Learners.

BIOLOGY .................................................................................... 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.

PHYSICS ..................................................................................... 1 Credit
Open to sophomores, juniors and seniors
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.

Fulfills Life Science requirement

BIOLOGY .................................................................................... 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.

GLOBAL STUDIES ................................................................. 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 ............................................................................... 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 ....................................................................................... ½ 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 ......................................................... 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.
Barrington High School

Four-Year Plan Sheet

Student Name: ________________________________________________________________

I.D. # ________________________________________________________________________

Home Phone: _________________________________________________________________

Birthdate: ____________________________________________________________________

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Graduation Requirements

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<tr>
<th>Credits</th>
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<tr>
<td>4</td>
<td>Credits of English</td>
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<td>Credits of Mathematics</td>
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<td>Credit of Global Studies or AP World History</td>
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<td>1</td>
<td>Credit of Health</td>
</tr>
<tr>
<td>.25</td>
<td>Credit of Driver Education</td>
</tr>
<tr>
<td>.5</td>
<td>Credit of Consumer Education</td>
</tr>
<tr>
<td>1</td>
<td>Credit of Applied Arts / Fine Arts</td>
</tr>
<tr>
<td>5</td>
<td>Credits of Electives</td>
</tr>
</tbody>
</table>

*See Page 8 for college admission information

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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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<th>FIRST SEMESTER</th>
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<th>SECOND SEMESTER</th>
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<td>12th</td>
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Plans after graduation ________________________________