The mission of Community High School District 128 is to provide quality educational opportunities for all students, including developing within each student:

- Respectful, responsible and ethical attitudes and behaviors
- An awareness and appreciation of the diverse cultures in our learning community and our world
- An ability to think critically and solve problems
  - An ability to communicate effectively
  - An ability to appreciate and demonstrate creativity
  - A life-long desire to pursue knowledge

"Excellence is our Standard"
December 2015

Dear LHS Parents and Students:

District 128 and the communities that we serve have a long and productive history of working together to provide excellent educational opportunities for our students. As a result of those collaborative efforts, Libertyville and Vernon Hills High Schools are world class high schools. And, our collective mission moving forward is to continue to ensure that all D128 students achieve, grow, and succeed!

As such, the D128 Board of Education and our administrators, teachers, and support staff are dedicated to providing the highest quality curriculum, classroom instruction, and co- and extra-curricular activities for your children in a safe, caring, and supportive environment. Our instructional team is among the most gifted and effective teams in the country in planning for, delivering on, and then assessing student achievement. As a result, your children are in skilled, caring hands.

To meet the learning needs of all D128 students, our instructional team works diligently to ensure that we are providing a diverse curriculum with related learning activities. So, as you begin the process of course selection for the 2016-2017 school year, please take the time to review the LHS Curriculum Guide with your children. In doing so, you will both become more familiar with the breadth and depth of our curriculum offerings that will best meet the needs of your children.

I consider it a great honor to serve as your superintendent. With that said, please feel free to contact me at (847) 247-4510, or at prentiss.lea@d128.org, if you have any comments, concerns, or questions. We are always here to serve you.

Sincerely yours,

Prentiss G. Lea, Ph.D.
Superintendent
December 2015

Dear Parents and Guardians:

Welcome to Libertyville High School. The staff of Libertyville High School is excited about the 2016-17 school year and looks forward to working with your family. The next school year promises to be another banner year that will mirror the rich traditions of LHS and District 128.

This curriculum guide is your child’s window to the academic and co-curricular possibilities that await them in the coming school year. We hope you take the time to review this guide with your child and engage in discussions about the courses that will meet his/her goals for high school and beyond. Each course offering has a brief description as well as the prerequisites needed for enrollment. You will also find important information regarding graduation requirements, college admission requirements and course fees. All students can access the guide electronically at http://lhswildcats.org under the academics tab.

It is important that time be given to select courses that best match your child’s interests, abilities and college/career plans. Our counselors stand ready to assist in the course selection process and will eagerly help in the design of a program of studies that will meet your child’s individual needs. It is also important that course selection decisions are made thoughtfully as they are difficult to change at a later date. This is due to the fact that students’ course choices impact other critical decisions we make as a school. For instance, our budget process and staffing decisions will be directly affected by the course requests submitted in February.

We look forward to working with you in preparation for the next school year. Our goal is to facilitate a successful high school experience for each and every Libertyville High School student. Please feel free to contact us should you have any questions, concerns or need assistance.

With Wildcat Pride,

Marina Scott, Ed.D.
Principal
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<thead>
<tr>
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<td>Course and Credit Limitations</td>
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<td>Community High School District 128 Graduation Requirements</td>
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<td>CTE: APPLIED TECHNOLOGY</td>
</tr>
<tr>
<td>CTE: BUSINESS EDUCATION</td>
</tr>
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<td>CTE: FAMILY AND CONSUMER SCIENCES</td>
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<tr>
<td>DRIVER EDUCATION</td>
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<tr>
<td>ENGLISH</td>
</tr>
<tr>
<td>FINE ARTS: ART</td>
</tr>
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<td>FINE ARTS: MUSIC</td>
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<td>FINE ARTS: THEATRE ARTS</td>
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<td>INTERNATIONAL LANGUAGES</td>
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<tr>
<td>SCIENCE</td>
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<tr>
<td>SOCIAL STUDIES</td>
</tr>
<tr>
<td>SPECIAL SERVICES</td>
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<tr>
<td>SPECIAL RESOURCE PROGRAM</td>
</tr>
<tr>
<td>ADDITIONAL SPECIAL SERVICES COURSES</td>
</tr>
</tbody>
</table>

Special thanks to the students in AP Studio Art for the cover artwork.
Important Phone Numbers

LIBERTYVILLE HIGH SCHOOL, 708 W. PARK AVENUE, LIBERTYVILLE, IL 60048, 847-327-7000

**ADMINISTRATION**

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superintendent</td>
<td>Dr. Prentiss Lea</td>
<td>847-247-4510</td>
</tr>
<tr>
<td>Principal</td>
<td>Dr. Marina Scott</td>
<td>847-327-7001</td>
</tr>
<tr>
<td>Associate Principal</td>
<td>Mr. Raymond Albin</td>
<td>847-327-7005</td>
</tr>
<tr>
<td>Assistant Principal</td>
<td>Mr. Eric Maroscher</td>
<td>847-327-7004</td>
</tr>
<tr>
<td>Student Services Director</td>
<td>Mr. Ole Stevens</td>
<td>847-327-7012</td>
</tr>
<tr>
<td>Athletic Director</td>
<td>Mr. Brian Kelly</td>
<td>847-327-7063</td>
</tr>
<tr>
<td>Special Services Director</td>
<td>Mrs. Kelli Hartweg</td>
<td>847-247-4582</td>
</tr>
</tbody>
</table>

**INSTRUCTIONAL SUPERVISORS**

<table>
<thead>
<tr>
<th>Field</th>
<th>Supervisor</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Career and Technical Education (CTE)</td>
<td>Dr. Debra Kellum</td>
<td>847-327-7240</td>
</tr>
<tr>
<td>(Business Education, Family &amp; Consumer Sciences, Applied Technology)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Arts (Art, Music, Theatre Arts)</td>
<td>Mr. Dustin Helvie</td>
<td>847-327-7057</td>
</tr>
<tr>
<td>English</td>
<td>Mr. Paul Reiff</td>
<td>847-327-7183</td>
</tr>
<tr>
<td>International Languages</td>
<td>Mrs. Jennifer Goettsche</td>
<td>847-327-7052</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Mr. Timothy Roegner</td>
<td>847-327-7053</td>
</tr>
<tr>
<td>Physical Welfare/Health/Driver Education</td>
<td>Ms. Patricia Mascia</td>
<td>847-327-7188</td>
</tr>
<tr>
<td>Science</td>
<td>Mr. Gregory Herman</td>
<td>847-327-7054</td>
</tr>
<tr>
<td>Social Studies</td>
<td>Mr. Shawn McCusker</td>
<td>847-327-7056</td>
</tr>
<tr>
<td>Special Services</td>
<td>Mrs. Karin Morgan</td>
<td>847-327-7089</td>
</tr>
</tbody>
</table>

**LEARNING SUPPORT TEAMS (LST)**

**LAST NAME BEGINS WITH...**

<table>
<thead>
<tr>
<th>Last Name</th>
<th>Team Director</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>A - F</td>
<td>Mrs. Meagan Silverberg</td>
<td>847-327-7018</td>
</tr>
<tr>
<td>A - CA</td>
<td>Mrs. Kelly Angelos</td>
<td>847-327-7020</td>
</tr>
<tr>
<td>CE - F</td>
<td>Mrs. Judi Neuberger</td>
<td>847-327-7021</td>
</tr>
<tr>
<td>A - F</td>
<td>Mr. Greg Loika</td>
<td>847-327-7019</td>
</tr>
<tr>
<td>G - P</td>
<td>Mr. Jason Schroeder</td>
<td>847-327-7026</td>
</tr>
<tr>
<td>G - KAN</td>
<td>Mr. Scott Bogumil</td>
<td>847-327-7029</td>
</tr>
<tr>
<td>KAO - McC</td>
<td>Mrs. Sarah Kelly</td>
<td>847-327-7150</td>
</tr>
<tr>
<td>McD - P</td>
<td>Ms. Jessica Noga</td>
<td>847-327-7028</td>
</tr>
<tr>
<td>G - P</td>
<td>Mrs. Jennifer Andersen</td>
<td>847-327-7027</td>
</tr>
<tr>
<td>Q - Z</td>
<td>Mr. Sean Ferrell</td>
<td>847-327-7033</td>
</tr>
<tr>
<td>Q - STA</td>
<td>Mr. John Mortillaro</td>
<td>847-327-7036</td>
</tr>
<tr>
<td>STE - Z</td>
<td>Ms. Nancy Stevens</td>
<td>847-327-7035</td>
</tr>
<tr>
<td>Q - Z</td>
<td>Mrs. Lindsay Recsetar</td>
<td>847-327-7034</td>
</tr>
</tbody>
</table>
How This Booklet is Arranged

All of the courses for the 2016-2017 school year are listed in this booklet. In each department section you will find the following information:

❖ Department Philosophy Statement
❖ Course Titles, Descriptions and other pertinent information
❖ Flow Chart

Understanding Course Descriptions

Course Numbers
Each course has a four-digit number used to identify the course and aid in computer registration. Example:

1234 Full Year course
1243F A semester course offered first semester
1244S A semester course offered second semester

Course Titles
Each course has a descriptive title. Roman numerals after the course title indicate course sequence. The titles will also indicate the level of the course (Regular, Honors or AP). If no level is indicated in the title, it is a Regular level course.

Course Expectations
The following terms are used to describe the student expectations in courses at Libertyville High School:

Regular – These are courses that provide instruction to develop skills in reading, reasoning, higher level thinking, computation, laboratory science, and foreign language. They ready students for university and college work, as well as other post-secondary options.

Honors – These are courses that demand high levels of cognitive and problem-solving processes and independent work. A rigorous instructional pace allows for both curricular depth and enrichment. They prepare students for university and college work, as well as future study in Advanced Placement courses.

Advanced Placement – These are highly challenging courses with expectations that students will work independently and demonstrate high levels of critical and analytical thinking, reading, and writing. The textbooks and materials used are above grade level or at college level. The goal of the course is to prepare the student for the Advanced Placement exam; which may permit a student to receive college credit and/or placement.

The following indicates the weight adjustment for A’s, B’s, C’s and D’s in each level.

<table>
<thead>
<tr>
<th></th>
<th>AP</th>
<th>HONORS</th>
<th>REGULAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>5.0</td>
<td>4.5</td>
<td>4.0</td>
</tr>
<tr>
<td>B</td>
<td>4.0</td>
<td>3.5</td>
<td>3.0</td>
</tr>
<tr>
<td>C</td>
<td>3.0</td>
<td>2.5</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>2.0</td>
<td>1.5</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>
Grade Level
This information identifies the student grade level prerequisite for a course.
9–Freshman; 10–Sophomore; 11–Junior; 12–Senior

Credit
Each semester, 0.5 credit is awarded for all classes except where otherwise noted. No credit is awarded for a failure or audit. A class that is being repeated for a grade will receive the appropriate credit for the course. On the transcript, a notation of “R” (for repeat) will be posted for the first class taken, and the credit removed. (Prior approval required)

Class Fees
Fees associated with individual classes for the 2016-2017 school year are noted in each course description. While these fees were accurate at the time of printing, they are subject to change for the 2016-2017 school year. Class fees will be billed the second week of each semester. If a student drops a class after the second week of a semester, class fees will not be refunded.

Prerequisites
Some courses must be taken in sequential order. For example, Foods I is a prerequisite for Specialty Foods. Placement as a prerequisite indicates that students are placed in courses on the basis of several factors that may include previous grades, teacher recommendation or test results. Each department is responsible for placement of students in these courses.

Course and Credit Limitations
Students must enroll in at least five academic classes plus physical education (or health or driver education) to be considered a full time student at LHS. If a student drops a fifth academic class, he/she will receive a failing grade in that class and not be considered a full time student. A student may enroll in and earn credit in a maximum of 7 academic classes plus Physical Education, Health, or Driver Education. A maximum of two credits may be earned during any one summer school session. Courses taken at locations other than LHS must receive approval by the administration prior to the start of the course.

Community High School District 128 Graduation Requirements
Twenty-two (22) credits will be required for graduation, eighteen (18) of which must be from academic courses (everything except Physical Education and Driver Education).

To be a candidate for graduation, a student must have 14 credits at the end of the summer before his/her graduation year.

The requirements listed below are minimum requirements for graduation from Libertyville High School. Graduation requirements should not be interpreted as admission requirements for colleges or universities. (See pages 9-11 for recommended college requirements.)

English – 4.0 credits total
Writing – 2.0 credits
1.0 credit must be an English course and 1.0 credit may be English or any other subject defined as a writing intensive course. Courses that award writing credit are labeled Writing Intensive.
Mathematics – 3.0 credits
1.0 credit must be Algebra 1 and 1.0 credit must include geometry content.
Science – 2.0 credits
Social Studies – 2.0 credits
1.0 credit must be U.S. History; 0.5 credit must be Government; 0.5 elective Social Studies credit.
Consumer Education – 0.5 credit (Seniors take one of the following: Personal Finance, AP Macroeconomics or Consumer Management.)
Health Education – 0.5 credit
Students will be exempt from physical education for one semester while they are enrolled in Health.

1.0 credit from one of the following – Applied Arts (Applied Technology, Business Education, Family & Consumer Sciences), Fine and Performing Arts (Art, Music, Theatre Arts) or International Languages.

Driver Education – (0.5 credit) Sophomores, juniors, and seniors will be exempt from physical education for one semester while they are enrolled in Driver Education.

Physical Education – Taken every year (0.5 credit per semester) Must be taken and passed every semester of attendance unless a student is medically excused or exempt. A maximum of four credits may be applied toward graduation.

What Colleges Look For
Preparation for college starts as early as the ninth grade, if not earlier. Parents and students often ask counselors, “What does it take for me to get into (Fill in the Blank) College?” That is a difficult question to answer, as competition has intensified for a spot at certain colleges, and it is hard to ascertain what factors colleges will emphasize in a particular year. We do know that colleges, especially those which are most competitive in admissions, seek students who are academically prepared for the rigors of college-level courses, who can contribute to their campus community, and who have a clear sense of why they are a good match for that college.

Top Factors Influencing Admission Decisions
Each year, the National Association for College Admission Counseling (NACAC) surveys colleges and universities to determine the top factors influencing admission decisions. According to the 2013 “State of College Admissions Report,” the following factors, in order of importance, were:

1. Grades in college prep courses
2. Strength of curriculum
3. Admission test scores (ACT, SAT)
4. Grades in all courses
5. Essay or writing sample
6. Student’s demonstrated interest
7. Counselor recommendation
8. Class rank
9. Teacher recommendation
10. Extracurricular activities
11. Interview
12. Subject test scores (AP, IB)
13. Portfolio

Academic Plans and Recommended High School Programs of Study
To best prepare for the college admission process, we encourage students to pursue the sample academic programs on this page; however, be aware that completion of a sample program like these does not guarantee admission, especially at highly and most selective schools.
Libertyville counselors also offer the following guidance to help students prepare for the college admission process:

- **Choose a rigorous course load. Seek out courses that are challenging.** Colleges would rather see a lower grade in a more challenging course than the “easy A.” But remember the best scenario is good grades in challenging classes.
- **Make sure your courses are appropriate and in logical progression.** Meet with your counselor often to ensure you are on the right track.
- **Enroll in core classes (English, social studies, math, science, foreign language) in each semester of your high school career.**
- **Get to know your counselor and teachers on a more individual basis.** These are the people who may be writing your college recommendations.
- **Keep your best work.** Colleges may offer you a chance to submit supplementary material that demonstrates your achievements.
- **Establish good study habits.** Grades in the academic core areas (English, math, science, social studies, and foreign language) are the best predictors of success in college.
- **Read!** Studies have shown that one of the best preparations for the college admission tests (ACT and SAT) is to read as much as possible.
- **Find activities, both in and out of school, that you enjoy and that provide an outlet for your non-academic side.**
- **Go for quality rather than quantity.** Colleges admire students who put significant effort into one or two activities rather than students who put little time into many activities.

**Examples of Highly Selective Institutions**
Northwestern University, Stanford University, University of Michigan, University of Southern California
Vanderbilt University, Washington University in St. Louis

**Middle 50% ACT/SAT:** 31-34 / 1360-1530

**Recommended Minimum Program of Study**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Minimum Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 years with Honors/AP Encouraged</td>
</tr>
<tr>
<td>Math</td>
<td>3-4 years with Honors/AP Encouraged</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3-4 years with Honors/AP Encouraged</td>
</tr>
<tr>
<td>Science</td>
<td>3-4 years with Honors/AP Encouraged</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2-3 years with Honors/AP Encouraged</td>
</tr>
</tbody>
</table>

**Examples of Very Selective Institutions**
Illinois Wesleyan College, Kenyon College, Marquette University, University of Illinois at Urbana-Champaign, University of Wisconsin-Madison

**Middle 50% ACT/SAT:** 26-30 / 1160-1390

**Recommended Minimum Program of Study**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Minimum Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 years</td>
</tr>
<tr>
<td>Math</td>
<td>4 years</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3-4 years</td>
</tr>
<tr>
<td>Science</td>
<td>2-4 years depending on major</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2 years minimum</td>
</tr>
</tbody>
</table>
Examples of Less Selective Institutions
Carthage College, Illinois State University, Northern Illinois University, University of Missouri, Columbia

Middle 50% ACT/SAT: 21-26 / 980-1200

Recommended Minimum Program of Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 years</td>
</tr>
<tr>
<td>Math</td>
<td>3 years</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3 years</td>
</tr>
<tr>
<td>Science</td>
<td>2-3 years depending on major</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>1 year</td>
</tr>
</tbody>
</table>

NCAA Clearinghouse Requirements

Students who wish to participate in collegiate athletics at the Division I or II level must apply for certification with the National Collegiate Athletic Association (NCAA) Eligibility Center during their sophomore year in high school. Libertyville High School counselors can assist students in completing this process.

To be certified by the Eligibility Center, you must:

1. **Graduate from high school.** You should apply for certification during your sophomore year in high school if you are sure you wish to participate in intercollegiate athletics as a freshman at a Division I or II institution. The Eligibility Center will issue a preliminary certification report after you have had all your materials submitted. After you graduate, if your eligibility status is requested by a member institution, the Eligibility Center will review your final transcript to make a final certification decision according to NCAA standards.

2. **Complete the 16 core courses including 10 before your seventh semester.**

3. **Earn a minimum required grade point average in your core courses.** Only courses that are on Libertyville High School’s “List of NCAA Approved Core Courses” can be used to calculate your NCAA GPA. No special values are allowed for “+” or “-” grades.

4. **For Division I, calculate a combined SAT or ACT sum score that matches your core course grade point average and test score and match it to the chart in the guide “For the College Bound Athlete,” available at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).** Division II requires a minimum ACT sum score of 68 or SAT score of 820, and a minimum 2.0 GPA.

<table>
<thead>
<tr>
<th>Core Units Required for NCAA Certification</th>
<th>Division I</th>
<th>Division II</th>
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</thead>
<tbody>
<tr>
<td>English Core</td>
<td>4 years</td>
<td>3 years</td>
</tr>
<tr>
<td>Mathematics Core (Algebra I or higher)</td>
<td>3 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Science Core (including at least 1 year of lab science)</td>
<td>2 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Social Science Core</td>
<td>2 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Additional English, math or science</td>
<td>1 year</td>
<td>3 years</td>
</tr>
<tr>
<td>Additional Core (from any area above or foreign language, non-doctrinal religion, philosophy, computer science)</td>
<td>4 years</td>
<td>4 years</td>
</tr>
<tr>
<td><strong>TOTAL CORE UNITS REQUIRED</strong></td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>
NOTE: Currently, students planning to attend a NCAA Division II institution will be required to complete 16 core courses. Beginning August 1, 2016, students planning to attend a Division I institution must have a minimum core GPA of 2.30. After August 1, 2018, Division II student athletes must earn a core-course GPA of 2.20.

LIST OF NCAA APPROVED CORE COURSES (formerly 48H)
The NCAA Initial Eligibility Clearinghouse has approved courses for use in establishing the certification status of student-athletes from Libertyville High School. If you intend to participate in college athletics, please see your counselor concerning how this list affects your registration for classes.

To access Libertyville’s List of Approved Core courses:
➢ Go to www.eligibilitycenter.org
➢ Click on “enter here” as a student athlete
➢ Click on “Resources” at the top
➢ Click on “U.S. Students”
➢ Click on “List of NCAA Courses” on right hand side
➢ Enter our high school code 142620 in the box and click “Search”
➢ You now have the most up-to-date list of our Approved Core Courses.

Be aware that not all LHS Core Courses are approved by the NCAA Clearinghouse. We strongly encourage student-athletes and parents to consult the list of Approved Core Courses early in their academic planning to ensure that approved courses are selected.

NOTE: Prospective student athletes who would like to be considered for Division I or II athletics should meet with their counselor as early in their high school career as possible.

Learning Programs for Enrichment at LHS

Link Crew
Transition to high school can be filled with a variety of hurdles. Link Crew offers incoming freshman students a host of benefits that ease this adjustment. The Link Crew Program is a year-long freshman transition program that pairs incoming freshman students with hand-selected junior and senior Link Crew Leaders in a 5/1 ratio. Incoming freshman students are introduced to their Link Crew Leaders during Freshman Orientation and will continue to meet with their Link Crew Leaders twice each week during half of their lunch period for the entire school year. Attendance is required.

During these meetings, a variety of timely themes will be addressed by Link Crew Leaders in an active and social manner that students embrace. Link Crew addresses social and emotional topics such as “How to Approach the Freshman Dance” to academic topics like “How to Thrive During Finals”. Many other important subjects will also be covered such as internet safety and information literacy. In addition, Link Crew exposes students to numerous opportunities available at LHS and encourages involvement. For more information on Link Crew, we invite you to visit the Link Crew website: http://www.boomerangproject.com/link.
P.A.W.S. – Program Assisting With Success
Placement for freshmen in this program is by recommendation only. Please contact your counselor for more information. The P.A.W.S. program is a study hall to help equip students with the skills necessary to maneuver through high school with increasing independence. It is our hope that, with initial guidance, students will develop academic confidence and the ability to seek out resources as needed. As these skill sets develop, the P.A.W.S. team will actively seek to transition students out of the P.A.W.S. program and into a regular study hall. The program includes one-on-one tutoring, small group instruction, and independent learning opportunities. Student progress is closely monitored by the P.A.W.S. staff working with teachers, counselors and parents. Students are required to take five academic classes plus the P.A.W.S. program.

P.A.W.S. PLUS – Program Assisting With Success for sophomore and junior students
Placement for sophomores and juniors in this program is by recommendation only. Please contact your counselor for more information. The P.A.W.S. PLUS program is a study hall to help equip students with the skills necessary to maneuver through high school with increasing independence. It is our hope that, with initial guidance, students will develop academic confidence and the ability to seek out resources as needed. As these skill sets develop, the P.A.W.S. PLUS team will actively seek to transition students out of the P.A.W.S. PLUS program and into a regular study hall. The program includes one-on-one tutoring, small group instruction, and independent learning opportunities. Student progress is closely monitored by the P.A.W.S. PLUS staff working with teachers, counselors and parents. Students are required to take five academic classes plus the P.A.W.S. program.

Course Selection Tips

❖ Discuss course selections with your parents.
❖ Use a pencil to complete the course selection form. Forms must be signed by your parent.
❖ Bring the completed course selection form with you when you see your counselor for your appointment.
❖ You will receive a two-day notice for your appointment. Each student will be seen individually by his/her counselor.
❖ Do NOT miss your appointment with your counselor. If you are unable to attend, contact your counselor to schedule another appointment.
❖ Recommendations will be made by your present teacher in courses for Math, Science, International Languages and Music. You should discuss these recommendations with your teacher.
❖ Be sure that prerequisites are met when selecting courses.
❖ Parents are encouraged to call your counselor if there are any questions regarding course selection.
# Worksheet for High School 4-Year Plan

**Student Name:** ______________________________  **Graduation Year:** _____  **Counselor:** ______________________________

### Summer School

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<th>Freshman Year</th>
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CTE: APPLIED TECHNOLOGY

Philosophy Statement
Our program is designed to help all students whether they plan on attending college or plan on full-time employment after high school graduation. It helps students facing a highly technological society achieve a basic understanding of related topics and practice the skills that can be applied to many aspects of daily life including leisure time activities.

Our courses allow students to explore many subject areas so that they can gain the knowledge and experience necessary to make intelligent career decisions. They include a maximum number of laboratory activities that apply the theory learned from various subjects. The activities allow students to use instruments and equipment to produce tangible results that provide personal success and build self-confidence. Students actually see their ideas become reality!

Applied Technology - Course Descriptions
● Courses in this department may be used to fulfill the one-year required credit for graduation in Applied Arts, Fine and Performing Arts or International Languages.
● The Extended Study Option allows students to re-enroll in a course for grade and credit.

Advanced Technical Drawing
Course No.: 1002
Prerequisite: Architectural Design CAD
Credit: 1.0 / Full Year
Fees: $20.00
Grades: 10, 11, 12
Other: Extended Study Option

In Advanced Technical Drawing, students complete architectural drawings of professional quality. The drawings not only reinforce the concepts and skills first explored on the introductory level, but also require the students to learn many new concepts and skills. Students design presentations, plot, floor, foundation, and electrical plans, interior and exterior elevations, and construction detail drawings. Students may elect to take this course for honors credit. In addition to regular course expectations, students receiving honors credit will be required to complete a major project outside of class each semester. The topic, scope and depth of the project will be determined through an agreement between the student and teacher and detailed in a written proposal completed during the first week of class.

Architectural Design CAD
Course No.: 1003F, 1004S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $10.00
Grades: 9, 10, 11, 12
Other:

Architectural Design CAD provides students with an introduction to the architectural design and drafting process using fundamental concepts and principles. Students will have the opportunity to design and create their own homes by completing many of the drawings required to construct a single family home. Students will be creating both 2D and 3D home plans and views. This course is excellent for any student who has an interest in computers, architecture, interior design, construction or any other related area. No computer experience is required.

Automotive Technology I
Course No.: 1007F, 1008S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 9, 10, 11, 12
Other:

Automotive Technology I provides students with an introduction to the automobile and its systems. Students will develop an understanding of the operating principles of an engine by disassembling and reassembling a small gas engine. Students will learn about suspension, steering, brake, powertrain, and electrical systems, as well. Students will also be introduced to routine maintenance and minor service operations of the automobile. With the knowledge obtained from this class, students will examine the procedure necessary for purchasing a used vehicle.
Automotive Technology II
Course No.: 1010
Prerequisite: Automotive Technology I
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: Extended Study Option

Automotive Technology II provides students with a working knowledge of automobile parts and systems. It also enables them to develop personal maintenance and repair skills. Students will also learn how to analyze, troubleshoot and diagnose problems using various diagnostic equipment and test procedures. In addition, students will have the opportunity to learn how to use various welding equipment such as mig, arc, and oxyacetylene. The use of a plasma cutter will be used on various projects. Knowledge and experience gained from this class will prove beneficial to all students regardless of their future ambitions.

Electronics I
Course No.: 1015F, 1016S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 9, 10, 11, 12
Other: Students may receive 2 hours of college credit through the College of Lake County (DC Circuit Fundamentals-ELT 170) with successful completion of this course with a grade of “B” or better.

Electronics I students will be introduced to electricity and electronic components and devices. Through various units, students will explore AC and DC circuits to learn how they relate to the electronics world. They will have the opportunity to solder and desolder exciting projects including strobe lights, burglar alarms, sirens, laser pointer targets, and battery zappers. Doorbells, three-way lights, and outlets are some of the typical house wiring circuits students will wire and test. Digital multimeters, function generators, oscilloscopes, and power supplies are equipment with which students will become familiar. This course exposes students to numerous experiments and hands-on projects.

Graphic Communications I
Course No.: 1025F, 1026S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $20.00
Grades: 9, 10, 11, 12
Other:

Graphic Communications I provides students with an introduction to graphic design using fundamental concepts. Students will learn the basics of visual design using computer software applications (Adobe Creative Suite). Students will create memo pads, t-shirts, DVD covers, greeting cards, posters, and many other items in this project oriented course. These projects will allow students to continue to apply their skills as they screen print and set up and operate a press. This course is geared toward students who want to design and create their own unique work. No computer experience is required.

Graphic Communications II
Course No.: 1027F, 1028S
Prerequisite: Graphic Communications I
Credit: 0.5 / Semesters 1 and 2
Fees: $20.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

Graphic Communications II is a hands-on course enabling students to expand their knowledge, skills, and career awareness in desktop publishing, photo-offset lithography, and screen printing. Students will learn how to create computer-generated camera-ready copies for both continuous tone and multi-color images. Students will also learn to apply advanced darkroom, masking, plate making, and litho press and silk screening techniques in the printing of their continuous tone and multi-color images.
Introduction to Computer Repair will allow a student to develop an introductory knowledge of PC computer systems, an understanding of computer technology and concepts, and the ability to assemble and test computer hardware. It will also help students develop an understanding of the operating system, troubleshooting software, repairing computer problems, and install software on the computer. This course is designed for students who have built their own computer and those who have never seen the inside of a computer. It is for those students who are interested in learning how a computer functions and how to repair a computer when it is not functioning correctly.

PLTW – Introduction to Engineering Design (IED) uses computer modeling software so students learn the process of product design. They solve design problems as they develop, create, and analyze product models. The emphasis includes strong math and science skills. College credit is available at select colleges upon successful completion of this course and PLTW final exam. Enrollment is limited—an application and interview process will be utilized along with recommendations.

Digital Electronics (DE) is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of Digital electronics is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. College credit is available at select colleges upon successful completion of this course and PLTW final exam. Highly recommended for students considering an Electrical Engineering career.

Principles of Engineering (POE) course is designed to help students understand the field of engineering and engineering technology. By exploring various technology systems and manufacturing processes, students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. In addition, students will learn how engineers address concerns about the social and political consequences created by technological change. College credit is available at select colleges upon successful completion of this course and scoring high enough on the PLTW final exams.
PLTW – Engineering Design and Development (EDD)
Course No.: 1040
Prerequisite: PLTW-Introduction to Engineering Design or Digital Electronics and Principals of Engineering or recommendation by Physics or PLTW Instructor
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 11, 12
Other: Honors Credit

Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Utilizing problem-based projects, students will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process. Students will receive Honors credit for this course.

Woodworking I
Course No.: 1071F, 1072S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $25.00
Grades: 9, 10, 11, 12
Other:

Woodworking I is a project oriented course that teaches students woodworking techniques, processes, and procedures with an emphasis on tool and equipment safety. Units of instruction include shop and tool safety, equipment set-up, joint construction, cutting, routing, project assembly, and surface preparation and finishing. Typical class projects include the building of a shelf, a nightstand, a lamp, a CD cabinet, a clock and a stepstool.

Woodworking II
Course No.: 1073F, 1074S
Prerequisite: Woodworking I
Credit: 0.5 / Semesters 1 and 2
Fees: $25.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

Woodworking II furthers the student’s knowledge and experiences in woodworking technology through the selection, planning, and construction of advanced cabinet and furniture projects typically ranging from intricate jewelry boxes and clocks to night tables, coffee tables, and desktop organizers. Instruction will focus on project planning, procedures and cost estimating, advanced cutting, shaping and routing, joint construction and assembly, and finishing techniques. Students will also learn about special machine set-ups and operations as well as equipment maintenance.
CTE: Applied Technology Department
Course Sequences

Project Lead the Way

PLTW
Introduction to
Engineering
Design 9 - 12

PLTW
Digital
Electronics
9 - 12

PLTW
Principles of
Engineering
10 - 12

PLTW
Engineering
Design and
Development
11 - 12

*Woodworking
I
9 - 12

*Automotive
Technology I
9 - 12

*Graphic
Communications I
9 - 12

*Woodworking
II
9 - 12

Automotive
Technology II
10 - 12

*Graphic
Communications II
9 - 12

*Architectural
Design / CAD
9 - 12

*Electronics I
9 - 12

*Introduction to
Computer Repair
9 - 12

Advanced
Technical
Drawing
10 - 12

* Semester Course
CTE: BUSINESS EDUCATION

Philosophy Statement
Business courses offer students the opportunity to explore and prepare for post-secondary business programs. Students apply computer technology to manage and present information using a variety of media. We provide students with a thorough understanding of the organization, functions, methods, and social significance of the American system of business enterprise.

Business Education - Course Descriptions
- Courses in this department may be used to fulfill the one-year required credit for graduation in Applied Arts, Fine and Performing Arts or International Languages.
- The Extended Study Option allows students to re-enroll in a course for grade and credit.

Accounting I
Course No.: 1502
Prerequisite: None
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 10, 11, 12
Other: Students may receive 3 hours of college credit through the College of Lake County (Accounting 112) with successful completion of this course with a grade of "B" or higher.

Accounting I is a comprehensive program designed to help students meet two broad objectives: 1) preparation for post-secondary education in the business field and, 2) preparation for employment. This course helps students understand basic accounting principles and procedures that are applied to business transactions. Students will record transactions and prepare basic reports such as balance sheets and income statements. Computerized accounting programs are explored during the fourth quarter of the class.

Advanced Accounting
Course No.: 1508
Prerequisite: None
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 11, 12
Other:

Advanced Accounting uses an integrated college approach to teach real world accounting. Students will have the opportunity to take a year end qualifying exam and an online course to earn 6 FULL TRANSFERABLE CREDITS to ANY UNIVERSITY nationwide. Students will first learn how to business plan and evaluate for operating, financing, and investing decisions. Students will develop the skills to use accounting systems for gathering and providing data to internal and external decision makers. This year-long course covers all topics covered in the first two accounting courses in university business schools. With this course, students majoring in any area of business will be fully prepared to excel immediately in their required accounting courses.

Advanced Accounting Honors
Course No.: 1510
Prerequisite: None
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 11, 12
Other:

Advanced Accounting Honors uses an integrated college approach to teach real world accounting. Students will have the opportunity to take a year end qualifying exam and an online course to earn 6 FULL TRANSFERABLE CREDITS to ANY UNIVERSITY nationwide. Students will first learn how to business plan and evaluate for operating, financing, and investing decisions. Students will develop the skills to use accounting systems for gathering and providing data to internal and external decision makers. Students will be required to job shadow an accounting professional throughout the year. This year-long course covers all topics covered in the first two accounting courses in university business schools. With this course, students majoring in any area of business will be fully prepared to excel immediately in their required accounting courses.
Business Mathematics is the application of mathematical concepts to practical business situations and problems. The goals include the development and improvement of specific business and math skills that will enable students to function effectively as intelligent consumers in the marketplace and in a career environment. Units will include payroll, banking, budgeting, recordkeeping, sales, taxes, personnel records, purchasing and distribution.

Entrepreneurship will provide students with knowledge and skills necessary to own and operate their own small businesses. Students will examine the environment of small business ownership, the procedures and skills necessary to open a small business, and the policies and practices of a successful small business operation. Entrepreneurship will emphasize a hands-on approach to small business ownership. “Real” entrepreneurs will be guest speakers and will assist with group projects. Each student will learn how to write a business plan for a business that matches their interests. By the end of the course, each student will have had the benefit of mentoring advice from a local entrepreneur.

Fashion Marketing and Merchandising is designed to introduce and enhance the student’s knowledge of fashion, marketing and merchandising concepts in the global fashion industry. The course is intended for any student interested in the areas of design, retailing, fashion trends and history, media, distribution and promotion. A student run fashion show will be the capstone project.

Introduction to Business provides students with a better understanding of business practices and procedures. The course provides business and economic information that is important to those who wish to pursue a degree or career in business. Students explore all of the functional areas of business including management, finance, accounting, marketing, human resources, production of goods and services, and information systems. Internet research will be incorporated throughout the course to provide students with up-to-date information on current business trends.

Management provides an excellent background for students pursuing a business major in college. It is the study of the structure and practices of business organizations operating under our free enterprise economy. Topics include international business, entrepreneurship, total quality management, organizational teamwork, human resources, leadership styles, labor-management negotiations, and multicultural diversity. Students will examine the environment of small business ownership, the procedures and skills necessary to manage and open a small business and the policies and practices of a successful business operation. Students will be using computer applications and the Internet to explore business trends in management.
Marketing
Course No.: 1551F
Prerequisite: None
Credit: 0.5 / Semester 1 only
Fees: $10.00
Grades: 10, 11, 12
Other:

With business being the most popular major in American colleges, why not get ahead by enrolling in Marketing? This course focuses on topics such as promotion, pricing, purchasing, visual merchandising, market research, product planning and entrepreneurship. Teaching methods include teamwork, Internet exploration, computer applications, guest speakers, and class discussion. Teams of students will package, market, and present a product they create.

Personal Finance
Course No.: 1557F, 1558S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $10.00
Grades: 12
Other:

Personal Finance helps prepare students for life on their own. Students will gain the knowledge necessary to make wise economic decisions that will benefit their personal and professional lives. The major areas of study will focus on checking accounts and online banking, budgeting, using credit, investing, advertising, car and home buying, insurance, renting an apartment, comparison shopping, and good financial management. Each student will have fun investing in the stock market by choosing stocks, and buying and selling stocks, for a period of time through a competitive, simulated project. This course meets the Consumer Education requirement for graduation.

Sports and Entertainment Marketing
Course No.: 1560S
Prerequisite: None
Credit: 0.5 / Semester 2 only
Fees: $10.00
Grades: 10, 11, 12
Other:

Sports and Entertainment Marketing explores marketing’s impact in sports and entertainment. The relationship that exists between celebrities, sports, and business will be explored. Topics will include the management of sports and entertainment as a product, collegiate and professional licensing endorsement, agents, public relations, legal aspects, and the future of sports and entertainment relating to business. Students will use computer simulations, cooperative learning, in-class activities, and student projects as learning tools.

Technology Applications
Course No.: 1571F, 1572S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $10.00
Grades: 9, 10, 11, 12
Other: Extended Study Option; May be granted dual credit with College of Lake County’s CIT 119 course.

Technology Applications is designed to allow students to master the use of essential computer software they will apply to high school, college, and personal work. Proficient keying skill is developed. Students increase their computer productivity using the Microsoft Office 2010 Suite to produce flyers, business letters, MLA reports, tables, spreadsheets, graphs, charts, and PowerPoint presentations. Students will also explore the basics of movie making and work on collaborative projects utilizing Google Applications and cloud computing.

Yearbook (Nautilus)
Course No.: 3730
Prerequisite: Placement (and fulfillment of application)
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

The Yearbook (Nautilus) staff members are responsible for the publication of the school yearbook. Students do extensive interviewing and research to produce journalistically sound copy, captions and headlines. Using a current yearbook design application and programs they arrange their work into attractive page designs, all adding to the development of a student-created, main theme. Students who apply for and are appointed to the Editor-in-Chief, Copy Editor, and Layout Editor positions, at the discretion of the Faculty Advisor, will receive Honors credit.
CTE: Business Education
Department
Course Offerings

Accounting I
10-12

Advanced Accounting
11-12

Advanced Accounting Honors
11-12

*Business Mathematics
10-12

*Entrepreneurship
10-12

*Fashion Marketing and Merchandising
9-12

*Introduction to Business
9-12

*Management
10-12

*Marketing
10-12

*Personal Finance
12

*Sports and Entertainment Marketing
10-12

*Technology Applications
9-12

Yearbook
9-12

*Denotes Semester Course
CTE: FAMILY AND CONSUMER SCIENCES

Philosophy Statement
The Family and Consumer Sciences Department provides a perspective that focuses on lifelong learning and resource utilization in the areas of clothing, food and nutrition, housing, money and time management, child development, and relationships. This knowledge empowers individuals to become effective contributors in their families, interpersonal relationships, careers, and communities.

Family and Consumer Sciences - Course Descriptions

- Courses in this department may be used to fulfill the one-year required credit for graduation in Applied Arts, Fine and Performing Arts, and International Languages.
- The Extended Study Option allows students to re-enroll in a course for grade and credit.

Advanced Foods
Course No.: 2203F
Prerequisite: Foods I
Credit: 0.5 / Semester 1 only
Fees: $20.00
Grades: 10, 11, 12
Other: Extended Study Option

Advanced Foods students will increase their cooking skills and knowledge while participating in a variety of fast-paced, hands-on preparation labs. The technique and principles of cooking will be emphasized to give students a well-rounded background in culinary skills. Topics covered include meat cooking, pastas, soups, sauces, breads, fondue, novelty foods, herbs, and spices. Regional United States and international cooking will be major components of second quarter. Computer applications are used to enhance classroom activities.

Clothing Construction
Course No.: 2211F, 2212S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 9, 10, 11, 12
Other: Extended Study Option

Clothing Construction is designed for students who want to create their own garments or gift projects using the skills involved in sewing. Principles of fabric and pattern selection will introduce students to the many possibilities available to them. In the first semester, students can expect to complete four finished products such as fleece blankets, hats, scarves, skirts, sweatshirts, pajama pants, bags, tops or dresses. Basic sewing skills and techniques will be emphasized and tailored to each student’s abilities. Lessons using a serger/overlock machine, as well as, a computerized embroidery machine will be incorporated in this course. Students will also be encouraged to recycle and redesign items, using resources that are cost free.

Clothing Construction Extended Study will allow the individual student to pursue in-depth designer sewing techniques, new serger techniques for faster and easier sewing, and advanced computerized embroidery machine sewing. Jackets, prom and homecoming dresses, special occasion dresses, and special fabrics such as plaids, corduroys, velvets, and silks will be stressed.

Consumer Management
Course No.: 2213F, 2214S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $20.00
Grades: 12
Other: Passing this course meets the graduation requirement for Consumer Education.

Consumer Management students learn principles of the economy, banking, budgeting, credit, insurance, car buying, investing, and money management. Computer and Internet activities are used to support learning. Food preparation and healthy living principles are also incorporated. Students will be able to manage personal resources valuable for success in financial decision-making.
Design Fashion and Interiors is a project-oriented course introducing students to aspects of the fashion and interior industries. Major content areas include color theory, elements and principles of design, fashion and furniture styles, window display construction, fashion and interior designers, creating a company, design sketching, and career opportunities. Students will complete a portfolio of quality projects for college submission. Students interested in a career in design or fashion will find this course beneficial.

Foods I is designed to give students of all grades a basic cooking experience that will prepare them for being confident in the kitchen. The principles of knife skills, reading a recipe and executing many cooking techniques will be explored. Topics will include preparing foods such as quick breads, breakfast/lunch foods, pasta and rice dishes, salads and cookies of several types. Healthy eating and foods for good health will be part of the focus throughout the semester.

Infant Development studies all aspects of a child’s development from conception through the first year of life. The course includes parenting, considerations that contribute to healthy infant development, prenatal development, labor, delivery, and the newborn. Each student will have the chance to wear an “Empathy Belly” simulating the physical characteristics of pregnancy as well as the opportunity to participate in the “Baby Think It Over” parenting experience. “Baby Think It Over” is not a requirement; an alternate assignment can be completed for the same amount of points. During this course students will visit a hospital’s New Life Center.

Preschool is designed for the student interested in understanding the growth and development of children ages 1-6. This course offers students the opportunity to interact with and teach preschool aged children in our preschool program housed within the high school building. This course provides a valuable opportunity for the students to explore their interests in this growing and challenging field and can be retaken as an extended study option with credit earned. Students need to complete an application for this course. See your counselor. Preschool Extended Study is designed for students that have a serious interest in teaching as a profession. Students are able to work outside the high school in a preschool or grade school setting for a few days each week. Students can choose to work in a prekindergarten through sixth grade classroom. Students have various requirements throughout the semester and at the end of the semester create a portfolio to take with them. Students must have this class back-to-back with a free period to allow enough time to work off campus. Students must be able to provide their own transportation for off-site learning experiences.
Specialty Foods
Course No.: 2272S
Prerequisite: Foods I or semester 1 Consumer Management with department approval
Credit: 0.5 / Semester 2 only
Fees: $20.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

Specialty Foods students will increase their culinary skills by focusing on the “creative” categories of food preparation. Working with yeast doughs, pies, pastries, cakes, and cake decorating will improve the student’s overall cooking skills. Planning menus and focusing on entertaining and “theme” parties will introduce students to many skills useful at home, as well as, in restaurant settings.

CTE: Family and Consumer Science Department
Course Sequences

- *Foods I 9 - 12
- *Infant Development 10 - 12
- *Advanced Foods 10 - 12
- *Specialty Foods 9 - 12
- *Preschool 10 - 12
- *Clothing Construction 9 - 12
- *Design Fashion and Interiors 9 - 12
- *Consumer Management 12
- *Semester Course
**Philosophy Statement**

The objective of the Libertyville High School Driver Education Program is to develop all the skills and practices necessary for each student to function safely within the highway transportation system. Our program is designed to allow students to become safe, efficient and responsible life-long drivers.

**Driver Education**

Course No.: 1921F, 1924S

Prerequisite: Sophomores and 2nd Semester Freshmen standing 15 years of age. Only eligible sophomores may enroll 1st Semester and must have turned 15 before March 31st. 2nd Semester Freshmen may be eligible if they have turned 15 prior to December 1st. A sophomore student must pass 8 academic classes during the previous calendar year. Freshmen taking driver education still need to participate in health / PE during their freshman year.

Credit: 0.5 / Semesters 1 and 2

Fees: $195.00

Grades: 9, 10, 11, 12

Other: Behind the Wheel Phase will be on a Pass/Fail basis. Driver Education will not be factored into the GPA.

Driver Education is a three phase program that consists of classroom, simulation and behind the wheel (BTW). All phases are closely integrated. Sophomores who enroll in Driver Education for the first time will be exempt from Physical Education during that semester. If a student needs to take Driver Education again, he or she must also take Physical Education during the same semester.

**The classroom phase** is required for every student for graduation. Students will receive a minimum of 30 hours of instruction within the semester. The curriculum includes: basic handling of a vehicle, defensive driving techniques, attitudes and emotions, handling a vehicle in adverse conditions, buying/maintaining and insuring a vehicle, the effects of drugs, alcohol, various forms of distracted driving including cell phones and other audio devices and how they relate to operating a vehicle and current state laws.

**The behind the wheel phase** must be successfully completed along with the other two phases in order for a student to be eligible to receive a license. This phase of Driver Education will include over 4 hours of in the vehicle instruction. A student must hold a valid Illinois State permit for a minimum of 9 months, complete Driver Education and turn 16 years of age prior to applying for an Illinois State license.

**The simulation phase** of Driver Education is an integral part of the behind the wheel phase. The Simulation lab offers students an opportunity to develop the practical aspects of driving a motorized vehicle in a safe environment. These simulated experiences provide greater exposure to a variety of driving situations that, due to time and conditional restraints, are often not able to be duplicated during the behind the wheel phase of Driver Education.

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**Driver Education Course Sequences**

Driver Education

Grades 9-12

(15 Years of Age)

Classroom

(30 Hours)

Simulation

(3.9 Hours)

Behind the Wheel

(4.3 Hours)
**ENGLISH**

**Philosophy Statement**
The English Department is committed to a program of excellence. The department expects a student to read both classical and contemporary literature; to analyze written, oral, and visual material; to express ideas with confidence and logic both orally and in writing; to think critically and creatively; and to attain an appreciation for literature. The department values the free exchange of ideas and the goal of being a lifelong reader and learner. All courses contribute to these expectations. Summer reading is a requirement.

**Scope and Sequence**
Every 9-11th grade student must enroll in the appropriate Core course and may enroll in an optional and additional Elective course (see flow chart for details). Every 12th grade student who has not earned elective credits earlier must enroll in any of the Elective courses, taking one course per semester. Any 9-12th grade student may also be enrolled (by Placement) in an extra support course (such as ELL or Literacy).

**English - Course Descriptions**
- Courses that award Writing Credit are labeled *Writing Intensive*.

**Advanced Placement English Language and Composition**
Course No.: 2000
Prerequisite: World Literature or World Literature Honors
Credit: 1.0 / Full Year
Fees:
Grades: 11
Other: *Writing Intensive*

**Advanced Placement English Language and Composition** meets the needs of students whose interests and abilities warrant an especially rigorous course of study. It encourages students to explore prominent themes of American Culture through the intensive analysis of texts of all genres and historic periods. Students compose formal written analyses of texts and compose persuasive essays in a variety of rhetorical modes. This course embodies an integrated, inquiry-based approach to reading, writing, speaking, and research, with critical thinking underpinning all of these strands. Advanced Placement English Language and Composition incorporates intensive preparation for the AP English Language and Composition exam. Advanced Placement English Language and Composition fulfills the third year English requirement.

**American Literature and Composition**
Course No.: 2010
Prerequisite: World Literature or World Literature Honors
Credit: 1.0 / Full Year
Fees:
Grades: 11
Other: *Writing Intensive*

**Advanced Placement English Literature and Composition**
Course No.: 2006
Prerequisite: American Literature or Advanced Placement English Language and Composition
Credit: 1.0 / Full Year
Fees:
Grades: 12
Other: *Writing Intensive*

**Advanced Placement English Literature and Composition** students read literature gleaned from a wide variety of cultures throughout the ages; these works reflect such problematic issues as what it means to be human and how to understand the human condition. The writing component of the course challenges students to compose thought-provoking analyses of literature. In-class and out-of-class essays, extemporaneous in-class discussions, oral presentations, and field trips comprise class activities. This course incorporates intensive preparation for the Advanced Placement English Literature and Composition exam.

**Advanced Placement English Literature and Composition**
Course No.: 2000
Prerequisite: American Literature or Advanced Placement English Language and Composition
Credit: 1.0 / Full Year
Fees:
Grades: 12
Other: *Writing Intensive*

**Advanced Placement English Literature and Composition** is a literature and composition course organized as a survey of American literature from colonial to contemporary eras. The course develops the skills of reading, writing, listening and speaking with critical thinking underpinning all of these skills. Special emphasis is placed on expository and argumentative writing, creative writing, conducting research, analyzing historically important works of nonfiction, and appreciating culturally significant works of fiction. American Literature fulfills the third year English requirement.
Argumentation and Debate
Course No.: 2017F, 2018S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10, 11, 12
Other:

Argumentation and Debate students learn to compose an effective argument by applying critical thinking skills to the processes of analyzing audience, establishing purpose, and developing clear logic. They also learn to support their argument with acceptable research and to deliver their argument orally in various debate formats.

The Bible as Literature
Course No.: 2021F, 2022S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 11, 12
Other: Writing Intensive

The Bible as Literature explores the various genres of literature in the Bible (drama, narrative, epic, poetry, history, short story, novel, proverb, prophecy, epistle, biography) and studies the influence of this ancient literature on our society’s art, literature, music, politics and entertainment. Students will read the literature, employ critical thinking skills to analyze and discuss it, work on projects, and write.

College Preparatory Writing
Course No.: 2023F, 2024S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10, 11, 12
Other: Writing Intensive

College Preparatory Writing is a college preparatory course that provides students with writing practice in a variety of expository, persuasive and analytical modes. Pre-writing activities, the analysis of models, timed in-class writing, peer evaluation, and self evaluation are among the strategies students will explore as they develop increasing mastery of organization, development, style and mechanics.

Creative Writing
Course No.: 2025F, 2026S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10, 11, 12
Other: Writing Intensive

Creative Writing engages students in exploring a variety of literary genres such as creative non-fiction, flash fiction, short story, slam poetry, poetry, drama, and screenplays. Students draft, revise, and polish their own works of prose and poetry. Students learn through frequent opportunities for peer review. Students experience learning through writing exercises and a workshop model. Writing takes place in and out of class on a daily basis, including extemporaneous writing and journal writing. By taking this course, students find new approaches to reading and writing that can affect them on a personal level, as the skills they gain in each lesson directly benefit their own creative goals.

Discovering Modern Fiction
Course No.: 2041F, 2042S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 11, 12
Other: Writing Intensive

Discovering Modern Fiction invites students to read modern novels and short stories. Students will read and analyze stories focusing on theme, image, symbol, structure, and personal and social perspective. Students should be readers willing to examine a wide range of ideas through class discussion, group projects, and analytical composition.
English Language Learner Class
Course No.: 2050
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: ELL II, III, and IV are Writing Intensive.

English Language Learner Class is offered to students whose native language is not English. Students are evaluated by the ELL staff and are placed in the appropriate level of ELL and/or support based upon the test scores, school performance, and the recommendation of parents, teachers, and counselors. A student may take each level of ELL for two semesters for a grade, and may move to the next level or exit the program at the semester upon completion of the proficiency skills at each level and the recommendation of the teacher.

ELL I – This level of ELL is for students who are just beginning to learn English. Students are supported in the development of skills in reading, writing, speaking, and listening to the English language.

ELL II – This level of ELL is for identified students who have mastered basic, functional skills in reading, writing, speaking, and listening to the English language.

ELL III – This level of ELL is for identified students who have mastered concrete skills in reading, writing, speaking, and listening to the English language.

ELL IV - This level of ELL is for identified students who have the skills necessary to master abstract skills in reading, writing, speaking, and listening to the English language.

English Language Learner Support
Course No.: 2052
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: This course does NOT count toward the English requirement but may be repeated for grade and credit.

English Language Learner Support students develop basic reading, writing, and speaking skills. Students learn about American culture and society and share their experiences and backgrounds. Instructional methods are informal and adapted to individual needs. ELL Support assists students who can succeed in regular English classes as well as those in ELL Class.

English Literature
Course No.: 2063F, 2064S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 11, 12
Other: Writing Intensive

English Literature explores representative readings in the literature of the British Isles from the time of Beowulf to the present. Students examine works in their social, economic, and political contexts, tracing the development of genres over time, including myths, legends and the romance. This course embodies an integrated, inquiry-based approach to reading, writing, speaking, and research, with critical thinking underpinning all of these strands.

Freshman Literature and Composition
Course No.: 2066
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9
Other: Writing Intensive

Freshman Literature and Composition offers an integrated, inquiry-based approach to reading, writing, speaking, and research, with critical thinking underpinning all of these strands. Students enjoy analytical and persuasive writing experiences in a variety of modes. They also practice literary interpretation through a variety of critical lenses. Freshman Literature and Composition fulfills the first year English requirement. Some students are required to take Literacy I in addition to Freshman Literature and Composition.
Freshman Literature and Composition Honors
Course No.: 2068
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9
Other: Writing Intensive

Freshman Literature and Composition Honors meets the needs of students whose interests and abilities warrant an especially rigorous course of study. It offers an integrated, inquiry-based approach to reading, writing, speaking, and research, with critical thinking underpinning all of these strands. Students enjoy analytical and persuasive writing experiences in a variety of modes. They also practice literary interpretation through a variety of critical lenses. Freshman Literature and Composition Honors fulfills the first year English requirement.

Journalism: School Newspaper (Drops of Ink)
Course No.: 2074
Prerequisite: Placement (and fulfillment of application)
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: Extended Study Option; Writing Intensive

Newspaper (Drops of Ink) offers a workshop forum for students who are interested in developing and maintaining the highest standards of journalistic writing. It also provides an opportunity for students to develop leadership skills and perform a service to the school and community by maintaining a news website and producing a student magazine every quarter. Students learn to recognize news, plan an issue, interview, research, develop photo features, write maturely, and create layout and design. Desktop publishing tools such as InDesign, Photoshop, and Illustrator are integral parts of this course. Some after-school work is expected. Students who are appointed to the Editor-in-Chief and Copy Editor positions, at the discretion of the Faculty Advisor, will receive Honors credit. Acceptance into the class is based on submitting an application. The Extended Study Option allows students to re-enroll in this course for grade and credit. Seniors earn an English graduation credit for this course (all others earn an English elective credit).

Literacy I
Course No.: 2044
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9
Other:

Literacy I aids students who are functioning below their grade level in reading as measured on standardized tests. Instruction is provided in specific reading skills. The program provides group and individualized instruction in comprehension, vocabulary, and the areas of content reading. This course receives graduation credit, but does not count toward the English requirement.

Literacy II
Course No.: 2046
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 10
Other:

Literacy II continues to build the skills introduced in Literacy I. Students will be placed in this course based on testing data and teacher recommendation. This course receives graduation credit, but does not count toward the English requirement.

Literacy III
Course No.: 2048
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 11
Other:

Literacy III continues to build the skills introduced in Literacy II and prepares students for standardized tests. Students will be placed in this course based on testing data and teacher recommendation. This course will receive graduation credit, but will not count toward the English requirement.
**Philosophy and Film**
Course No.: 2037F, 2038S  
Prerequisite: None  
Credit: 0.5 / Semesters 1 and 2  
Fees:  
Grades: 11, 12  
Other: Writing Intensive

**Philosophy and Film** combines the study of philosophy with the study of film. Philosophy provides the frame to analyze film, and film provides a means to understand philosophy. Students will be introduced to film as a uniquely powerful art form and philosophy as a profound mode of inquiry. Sample pairings could include Metaphysics and *The Matrix* or *Total Recall*, Epistemology and *Rashomon* or *The Truman Show*, Ethics and *The Dark Knight* or *Saving Private Ryan*, Politics and *Antz* or *Equilibrium*, Religion and *Contact* or *Life of Pi*. Writing analytical, reflective and evaluative essays is a central component of the course.

**Science Fiction**
Course No.: 2075F, 2076S  
Prerequisite: None  
Credit: 0.5 / Semesters 1 and 2  
Fees:  
Grades: 11, 12  
Other: Writing Intensive

**Science Fiction** studies humans and their world through science fiction literature in its broadest definition. Students will read and discuss elected novels and short stories. Emphasis is placed on science fiction as speculative literature. Critical and evaluative papers will be required as well as occasional oral reports. The materials used are viewed in light of today’s ethical and moral dilemmas. Average reading and writing skills are presumed.

**Speech**
Course No.: 2087F, 2088S  
Prerequisite: None  
Credit: 0.5 / Semesters 1 and 2  
Fees:  
Grades: 11, 12  
Other:

**Speech** is designed to help students improve their speaking abilities in both formal and informal settings. Public speeches, oral interpretations, demonstrations, improvisations, and radio news broadcasts are among the activities that further students' expressiveness and command of spoken English.

**World Literature and Composition**
Course No.: 2094  
Prerequisite: Freshman Literature or Freshman Literature Honors  
Credit: 1.0 / Full Year  
Fees:  
Grades: 10  
Other: Writing Intensive

**World Literature and Composition** encourages students to explore themes and questions that cross national boundaries through the analysis of texts from around the globe. This course continues an integrated, inquiry-based approach to reading, writing, speaking, and research, with critical thinking underpinning all of these strands. Students continue analytical and persuasive writing experiences in a variety of modes. They also practice literary interpretation through a variety of critical lenses. *World Literature* fulfills the second year English requirement.

**World Literature and Composition Honors**
Course No.: 2096  
Prerequisite: Freshman Literature or Freshman Literature Honors  
Credit: 1.0 / Full Year  
Fees:  
Grades: 10  
Other: Writing Intensive

**World Literature and Composition Honors** meets the needs of students whose interests and abilities warrant an especially rigorous course of study. It encourages students to explore themes and questions that cross national boundaries through the analysis of texts from around the globe. It continues an integrated, inquiry-based approach to reading, writing, speaking, and research, with critical thinking underpinning all of these strands. Students continue analytical and persuasive writing experiences in a variety of modes. They also practice literary interpretation through a variety of critical lenses. *World Literature and Composition Honors* fulfills the second year English requirement.

**School Yearbook Nautilus**

See **Business Education** listing for course description. This course counts as an elective credit, not an English credit, toward the graduation requirement.
# English Department
## Course Sequences

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All electives are single semester courses except AP Literature, ELL Support, Journalism: School Newspaper and Literacy.

Journalism: School Newspaper awards elective credit and can be repeated; seniors may receive an English credit.

Literacy and ELL Support award elective credit only and can be repeated.

Yearbook: See Business Education for Course Description.
FINE ARTS: ART

Philosophy Statement
We believe the visual arts are essential as part of all learning because the customs, beliefs and social, economic, and aesthetic growth of past cultures have always been, and always will be recorded through visual symbols. Art sharpens perceptual and analytical skills, and encourages innovative thinking and problem solving. Art experiences improve the development of conceptualization, reasoning, perceiving, and making abstract associations. By actively participating in the visual arts, it is our hope that students will develop a lifelong appreciation of the production, critical analysis, and language associated with the creation of original artwork.

Art - Course Descriptions
- Courses in this department may be used to fulfill the one-year required credit for graduation in Applied Arts, Fine and Performing Arts or International Languages.
- The Extended Study Option allows students to re-enroll in a course for grade and credit.
- The Art curriculum is designed for students who want to enrich their high school experience with art or for the student with aspirations of an art related career.

2D Introduction to Art
Course No.: 1255F, 1256S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $20.00
Grades: 9, 10, 11, 12
Other:

3D Introduction to Art
Course No.: 1257F, 1258S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $20.00
Grades: 9, 10, 11, 12
Other:

Advanced Placement Portfolio
Course No.: 1202
Prerequisite: Two years of Art or Placement
Credit: 1.0 / Full Year
Fees: $40.00
Grades: 11, 12
Other: Extended Study Option

The Advanced Placement Portfolio program enables highly motivated students to create college level work in studio art while still in high school. Advanced Placement Portfolio is not based on a written examination. However, for one section of the portfolio, extensive research and documentation are required. Advanced Placement work involves significantly more time and commitment than most high school courses; the program is, therefore, intended for students seriously committed to studying art. Upon completion of this course, the student can submit a portfolio for review and evaluation. The College Board currently accepts three different AP Art portfolios - Drawing (i.e., any traditional art media excluding computer art or photography), 2-Dimensional design (i.e., photography, computer art), and 3-Dimensional design (i.e., ceramics, sculpture).
Ceramics Studio
Course No.: 1211F, 1212S
Prerequisite: 3D Introduction to Art for grade 9; none for grades 10-12
Credit: 0.5 / Semesters 1 and 2
Fees: $25.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

Ceramics Studio emphasizes the elements of design relating to ceramic techniques. This course will include techniques of hand building, decoration and sculptural forms. In addition, historical forms in ceramics will be studied to aid in developing aesthetic awareness of the possibilities and limitations of this medium.

Ceramics Studio Extended Study allows the individual student the opportunity to study various techniques, cultures, clays or processes in-depth. The student and instructor, outlining responsibilities and expectations, agree upon an individual course of study.

Computer Arts Studio
Course No.: 1223F, 1224S
Prerequisite: 2D Introduction to Art for grade 9; none for grades 10-12
Credit: 0.5 / Semesters 1 and 2
Fees: $20.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

Computer Arts Studio is a course that uses technology, mainly computers, for the creation of original artwork to serve the purpose of communicating visually. The students will use the same hardware and software (Adobe PhotoShop and Illustrator) used by professionals in the graphic arts industry. Emphasis will be placed on learning practical computer skills through the exploration of typography design, illustration, digital imagery, and image manipulation. No previous computer experience is necessary, but drawing skills are an advantage.

Computer Arts Studio Extended Study will allow the individual student to pursue even more advanced studies in developing competency in PhotoShop and Illustrator. Each student will complete an individual contract agreement that details expectations and specific responsibilities.

Darkroom Photo Studio
Course No.: 1261F, 1262S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $25.00
Grades: 10, 11, 12
Other: Extended Study Option

Darkroom Photo Studio provides students with an introduction to photography in the darkroom. Emphasis will be placed on three major areas: the camera and how to use it, composition, and darkroom techniques. Students will learn black-and-white film and print development through textbook, demonstrations, lectures, critiques, discussions, presentations, and studio experiences. Students in darkroom photography will make use of the capabilities of the darkroom to create exhibition-quality traditional fine art prints. Students will need to purchase darkroom photographic paper.

Darkroom Photo Studio Extended Study allows highly motivated photography students the opportunity to pursue in-depth techniques and processes of interest to the individual. Each student will complete a portfolio of current work agreed upon by the student and instructor containing examples of the semester’s research and solutions to problems.

Digital Photo I
Course No.: 1263F, 1264S
Prerequisite: None for Grades 10-12, *Intro to 2D for Grade 9
Credit: 0.5 / Semesters 1 and 2
Fees: $25.00
Grades: 9*, 10, 11, 12
Other:

Digital Photo I is for the student who wants to learn how to take better images and use Photoshop as well as the student who wants to learn the basics and continue to more advanced photography courses. Students must have access to a quality digital camera with a minimum of 8.0 mega-pixels. Camera requirements for advanced studies in Digital Photo Studio and Darkroom Photo Studio will be discussed as part of the Digital Photo I curriculum.
Digital Photo Studio
Course No.: 1265F, 1266S
Prerequisite: Digital Photo I
Credit: 0.5 / Semesters 1 and 2
Fees: $25.00
Grades: 10, 11, 12
Other: Extended Study Option

**Digital Photo Studio** is a continuation of Digital Photo I with an emphasis on advanced techniques. This course is designed for students interested in advanced study of digital photography. Students who choose Digital Photo Studio will create visual imagery beyond that covered in Digital Photo I. In this course, students will begin the development of a series of work with a common style. Discussion about camera requirements for advanced studies in digital photography will be discussed in Digital Photo I.

**Digital Photo Studio Extended Study** allows highly motivated photography students the opportunity to pursue in-depth techniques and processes of interest to the individual. Each student will complete a digital portfolio of current work agreed upon by the student and instructor containing examples of the semester’s research and solutions to problems.

Drawing and Printmaking Studio
Course No.: 1227F, 1228S
Prerequisite: 2D Introduction to Art for grade 9; none for grades 10-12
Credit: 0.5 / Semesters 1 and 2
Fees: $20.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

**Drawing and Printmaking Studio** allows students to concentrate on both drawing and printmaking. Drawing is the basis for further investigation into all art media. Students will study the expressive quality of drawing media, value, space, line, form, color, and texture. Printmaking explores possibilities involved in creating the multiple original. Students will gain experiences in various printmaking which may include drypoint etching, linocuts, monotypes, and collography.

**Drawing and Printmaking Studio Extended Study** will allow the individual student to pursue advanced studies in either Drawing or Printmaking. Each student will complete an individual contract agreement that details expectations and specific responsibilities including media and content.

Jewelry Metallsmithing Studio
Course No.: 1235F, 1236S
Prerequisite: 3D Introduction to Art for grade 9; none for grades 10-12
Credit: 0.5 / Semesters 1 and 2
Fees: $20.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

**Jewelry Metallsmithing Studio** encourages students to examine metal as a creative medium. Students will learn basic metallsmithing techniques including soldering, piercing, riveting, forming, stone setting and enameling. These techniques will be used to create original designs. Projects will include wearable, sculptural and/or functional objects such as rings, pendants, and containers. Project designs will be inspired through research including field trips to exhibitions.

**Jewelry Metallsmithing Extended Study** allows highly motivated Jewelry students the opportunity to pursue more complex pieces and more advanced techniques. Each student will complete an individual contract detailing expectations and focus of the studies.

Painting Studio
Course No.: 1243F, 1244S
Prerequisite: 2D Introduction to Art for grade 9; none for grades 10-12
Credit: 0.5 / Semesters 1 and 2
Fees: $20.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

**Painting Studio** is an exploration into watercolor, acrylics, and mixed media. Emphasis is placed on the development and exploration of painting media and techniques in the creation of original works of art.

**Painting Studio Extended Study** will allow the individual student to pursue even more advanced studies in watercolors, oils, acrylics, or mixed media. Each student will complete an individual contract agreement with the teacher that details expectations and specific responsibilities.
FINE ARTS: Art Department
Course Sequences

First Semester Freshman Year

2D Introduction to Art

3D Introduction to Art

Second Semester Freshman Year

Drawing and Printmaking Studio

Painting Studio

Computer Arts Studio

Digital Photo I

3D Introduction to Art

Digital Photo I

Ceramics Studio

Jewelry Metallurgical Studio

2D Introduction to Art

Sophomore through Senior Year

2D Introduction to Art

3D Introduction to Art

Drawing and Printmaking Studio

Painting Studio

Computer Arts Studio

Digital Photo I

Digital Photo Studio

Darkroom Photo Studio

Ceramics Studio

Jewelry Metallurgical Studio

Advanced Placement Portfolio
FINE ARTS: MUSIC

Philosophy Statement
It is the desire of the Music Department to provide a musical experience for all interested students. Through performance and academic investigation, students are exposed to various styles, techniques, and terminology necessary for their musical development. It is our hope that through participation students will gain an appreciation for the finer aspects of music and will carry this appreciation into adult life.

Music - Course Descriptions
- Courses in this department may be used to fulfill the one-year required credit for graduation in Applied Arts, Fine and Performing Arts or International Languages.
- The Extended Study Option allows students to re-enroll in a course for grade and credit.

Advanced Placement Music Theory
Course No.: 3202
Prerequisite: None
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other:

Electronic Music
Course No.: 3255F, 3256S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10, 11, 12
Other: Extended Study Option

Guitar I
Course No.: 3263F, 3264S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $25
Grades: 9, 10, 11, 12
Other:

Advanced Placement Music Theory
is designed for advanced music students who are interested in expanding their conceptual knowledge of music. Specific areas of study include fundamentals of music composition, ear training, sight singing, harmonization, instrumentation, form and analysis, conducting, and electronic music. This course is of particular value to those students who intend to continue in music after high school and helps to prepare students who wish to take the Advanced Placement Music Theory Exam.

Guitar II
Course No. 3261F, 3262S
Prerequisite: Guitar I or Instructor Approval
Credit: 0.5 / Semesters 1 and 2
Fees: $25
Grades: 9, 10, 11, 12
Other: Extended Study Option

Electronic Music introduces students to the art of creating and manipulating electronically generated music through improvisation and composition. This is a hands-on, project-oriented class, and the majority of the time will be spent using Digital Audio Workstation software such as Ableton Live 9 to create beats, remixes, DJ sets, and original electronic music compositions in a variety of contemporary styles.

Guitar I is an introductory guitar class open to students of all grades. Students will be taught the basics of acoustic guitar, including note-reading, chords, and scales. No prior experience is necessary. $25 course fee covers use of the school-supplied instrument and workbook. Students wishing to use their own acoustic guitar must have it pre-approved by the instructor.

Guitar II is an intermediate guitar course, a continuation of Guitar Class I, working on more complicated music. Students will learn to play two and three part classical pieces. They will learn to read music in positions outside of first position. They will learn chords and scales in positions beyond the first position. Students will master more advanced chords, practice improvisation and different styles of music including blues, jazz, classical and world music. Prerequisite: Completion of Guitar I or approval of instructor.
**Concert Band**
Course No.: 3216
Prerequisite: Previous band experience or placement
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

**Concert Band** is the entry-level curricular band at LHS designed to give band students further opportunity to participate in the highest quality musical experience possible and allows students to continue to enrich their previous musical experiences at the high school level. This ensemble offers the opportunity to play excellent repertoire at a high level of performance and performs at concerts throughout the year. The course is designed to further the student’s musical development prior to advancement into Symphonic Band, Symphonic Winds or Wind Ensemble. Music fundamentals and performance techniques are stressed. Easy to moderately difficult band literature of various styles is performed at LHS band concerts. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship in small groups and individually during the lunch/study-hall, as schedules permit. Students will participate as members of the Marching Wildcats or Basketball Pep Band.

**Symphonic Band**
Course No.: 3270
Prerequisite: Previous band experience
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

**Symphonic Band** is designed for instrumentalists with some experience on a wind or percussion instrument. The course emphasizes the refinement of performance techniques and interpretive skills. Moderate music of various styles and historical periods is performed in school concerts. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship in small groups and individually during the lunch/study hall, as schedules permit. Students are required to attend concerts in the evening. Students will participate as members of the Marching Wildcats or Basketball Pep Band.

**Symphonic Winds**
Course No.: 3276
Prerequisite: Previous band experience and audition
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

**Symphonic Winds** is designed for advanced wind and percussion instrumentalists. The course emphasizes advanced performance skills, musical interpretation, and techniques. Musical repertoire will include pieces of different styles and historical periods. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship. Students will be required to perform four concerts and attend sectionals after school. Students are also encouraged to participate in chamber ensembles and to perform at solo and ensemble contests. Select musicians are chosen to audition for the ILMEA District Festival. Wind players and percussionists for the LHS Symphony Orchestra are also selected from Symphonic Winds. Students will participate as members of the Marching Wildcats or Basketball Pep Band.
**Wind Ensemble Honors**
Course No.: 3290
Prerequisite: Previous band experience and audition
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 9, 10, 11, 12
Other: Extended Study Option with instructor approval

Comprised of students who have attained the highest level of proficiency on their instruments, the LHS **Wind Ensemble** is the premiere ensemble of the Libertyville band program. Performing the finest available repertoire, the ensemble’s performances include traditional wind band literature and new compositions in the wind band genre. This ensemble is designed for the most advanced wind and percussion instrumentalists. The course emphasizes advanced performance skills, musical interpretation and techniques. Through rehearsals, clinics and performances, students will broaden their musical repertoire with advanced literature of many styles and periods. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship in small groups and individually during the lunch/study hall, before school, or after school as schedules permit. Students are required to attend all scheduled performances, including evening concerts. Students are also encouraged to participate in chamber ensembles and to perform at solo and ensemble contests. Select musicians are chosen to audition for the ILMEA District Festival. Wind players and percussionists for the LHS Symphony Orchestra are also selected from the Wind Ensemble. Students will participate as members of the Marching Wildcats or Basketball Pep Band.

**CHOIR**

**Chorale**
Course No.: 3230
Prerequisite: None
Credit: 1.0 / None
Fees: $10.00
Grades: 9
Other:

**Chorale** is designed as a mixed choir for freshman choral students. This course focuses on music fundamentals, proper vocal techniques, sight singing, music terminology, and notation. Music of various styles and historical periods is rehearsed and performed. Students are required to attend all scheduled performances, including evening concerts. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship in small groups and individually during the lunch/study hall, before school, or after school as schedules permit. All students are eligible to audition for extracurricular vocal groups.

**Concert Chorale**
Course No.: 3246
Prerequisite: Previous choral experience and placement
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 10
Other: Extended Study Option

**Concert Chorale** is designed as a mixed choir for sophomores, junior and senior students with previous choral experience. This course focuses on music fundamentals, proper vocal techniques, sight singing, music terminology, and notation. Music of various styles and historical periods is rehearsed and performed. Students are required to attend all scheduled performances, including evening concerts. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship in small groups and individually during the lunch/study hall, before school, or after school as schedules permit. All students are eligible to audition for extracurricular vocal groups.
Bel Canto
Course No.: 3210
Prerequisite: Previous choral experience and audition
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 11
Other: Extended Study Option

Bel Canto is designed for junior and senior advanced choral students whose voice quality, range, and timbre falls within the treble clef. In this course, students work on proper vocal production, breath control, and sight singing. Students rehearse and perform choral music of various styles and historical periods in concerts throughout the year. Advanced music terminology and singing techniques are emphasized. Students are required to attend all scheduled performances, including evening concerts. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship in small groups and individually during the lunch/study hall, before school, or after school as schedules permit. All students are eligible to audition/participate in extracurricular vocal groups.

Concert Choir
Course No.: 3240
Prerequisite: Previous choral experience and placement
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 11, 12
Other: Extended Study Option

Concert Choir is designed for advanced junior and senior choral students and continues to work on proper vocal production, breath control, and sight singing. Students rehearse and perform choral music of various styles and historical periods in concerts throughout the year. Advanced music terminology and singing techniques are emphasized. Students are required to attend all scheduled performances, including evening concerts. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship in small groups and individually during the lunch/study hall, before school, or after school as schedules permit. All students are eligible to audition/participate in extracurricular vocal groups. Optional Honors Credit is available in this class through application with, and approval of the instructor.

Concert Orchestra
Course No.: 3250
Prerequisite: Previous experience on a string instrument or placement
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 9, 10, 11
Other: Extended Study Option

Concert Orchestra is designed to further the student’s musical development prior to advancement into Symphony Orchestra or Chamber Orchestra. They rehearse and perform music from various periods of music history. Music fundamentals as well as technical and interpretive considerations of performance are stressed. All students will participate in chamber music ensembles. Students are required to attend all scheduled performances, including evening concerts. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship in small groups and individually during the lunch/study hall, before school, or after school as schedules permit. All students have the option of participating in the after school group, The String Project.
**Symphony Orchestra Strings**  
Course No.: 3280  
Prerequisite: Previous experience on a string instrument and placement  
Credit: 1.0 / Full Year  
Fees: $10.00  
Grades: 10, 11, 12  
Other: Extended Study Option

Symphony Orchestra Strings is designed for intermediate to advanced string players. They rehearse and perform music from various periods of music history. Technical and interpretive considerations of performance are stressed. All students will participate in chamber music ensembles. Students are required to attend all scheduled performances, including evening concerts. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship in small groups and individually during the lunch/study hall, before school, or after school as schedules permit. All students have the option of participating in the after school group, The String Project.

**Chamber Orchestra Honors**  
Course No.: 3220  
Prerequisite: Previous experience on a string instrument and placement  
Credit: 1.0 / Full Year  
Fees: $10.00  
Grades: 10, 11, 12  
Other: Extended Study Option

Chamber Orchestra Honors is designed for the most advanced string players. The course emphasizes advanced performance skills, musical interpretation, and techniques. Through rehearsals, clinics, and performances, students will broaden their musical repertoire with advance literature of many styles and from many periods. All students will participate in chamber music ensembles. Students are required to attend all scheduled performances, including evening concerts. Students will be assessed by and will work with the teacher on numerous techniques and areas of musicianship in small groups and individually during the lunch/study hall, before school, or after school as schedules permit. All students have the option of participating in the after school group, The String Project.

**Symphony Orchestra Winds and Percussion**  
Course No.: 3286  
Prerequisite: Membership in band and placement  
Credit: None / Full Year  
Fees:  
Grades: 9, 10, 11, 12  
Other: Extended Study Option

Selected winds and percussion players are provided the opportunity to rehearse and perform with the Symphony Orchestra. Students meet 3 or 4 days each week opposite lunch for 25 minutes. In order to participate in this activity, a student must be enrolled in either Symphonic Winds or Wind Ensemble. Students are required to attend all scheduled performances, including evening concerts. Students are selected primarily based on recommendation of the recommendation of the band directors. Students will not receive credit for this activity, nor will it be computed in the grade point average, however, it will appear on the student’s transcript.
FINE ARTS: THEATRE ARTS

Philosophy Statement
We believe that fine arts are essential in a well-rounded education. The Fine Arts Department provides the students with the opportunity to explore music, art, and drama, both in the curricular and extracurricular setting. Throughout history, culture has been passed on through the arts. It provides individuals with a sense of psychological well being through their accomplishments in this field.

Theatre Arts - Course Descriptions

- Courses in this department may be used to fulfill the one-year required credit for graduation in Applied Arts, Fine and Performing Arts or International Languages
- The Extended Study Option allows students to re-enroll in a course for grade and credit.

Acting Studio
Course No.: 4803F, 4804S
Prerequisite: Introduction to Theatre
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10, 11, 12
Other: Extended Study Option

Acting Studio is designed for the student who wishes to further his training in acting. A comprehensive focus on scene study is presented, with more emphasis on the building of a character. A variety of acting styles—comic, tragic, and classical—will be presented. The viewing of professional plays will be arranged through field trips when possible. Students will also be given the opportunity to direct scenes.

Introduction to Theatre
Course No.: 4811F, 4812S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 9, 10, 11, 12
Other:

Introduction to Theatre is the suggested starting point for the Theatre curriculum. This survey class will expose students to a variety of the elements that make up the art form of theatre. Specific areas of focus include improvisation, acting performance styles, structure of play production, and an overview of technical elements such as scenery, lighting, makeup, and costuming. No theatrical experience (either on stage or back stage) is necessary. Field trips to see professional plays are an integral part of the class and will be offered when possible.

Theatre Technology
Course No.: 4831F, 4832S
Prerequisite: Introduction to Theatre or placement
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10, 11, 12
Other: Extended Study Option

Theatre Technology is designed for the student who wishes to further his knowledge of the backstage elements of theater. Areas of focus include: theatrical tools and hardware, methods of scenery construction, scenic painting technique, lighting technology, lighting design, sound technology, costuming basics and development of theatrical buildings. Practical experience is gained through participation in the technical elements of actual theatrical productions done in the district.

Fine Arts: Theatre Arts Department Course Sequences
INTERNATIONAL LANGUAGES

Philosophy Statement
The purpose of language study in District 128 is to equip students linguistically and culturally to communicate and function in the world neighborhood as an individual and within a group. Language study develops an awareness of other people’s views, an understanding of their unique ways of life, and recognition and respect for their contributions to the world at large. Linguistic proficiency and cultural knowledge combined will enable students to interact in a variety of culturally authentic situations. **To reach proficiency, daily use of the target language is the expectation.**

Language study expands the educational experience of students by connecting with other disciplines in the school curriculum. It also encourages students to develop a greater understanding of their own language and culture and of language and culture in the broadest sense. Additionally, the study of a second language prepares competent and self-confident students for work in multicultural communities at home and around the world. The study of Latin in particular increases one’s English vocabulary skills, grammar skills and analytical skills.

In addition to linguistic and cultural competence, language study challenges students to use a variety of learning strategies and develop critical thinking skills, thereby preparing students to be successful in the workplace as well as to become lifelong learners in a global society.

**International Languages - Course Descriptions**
- Courses in this department may be used to fulfill the one-year required credit for graduation in Applied Arts, Fine and Performing Arts or International Languages.
- **It is strongly recommended that students earn a grade of “C” or better to advance to the next level.**

**Advanced Placement Chinese IV**
Course No.: 2570
Prerequisite: Previous level or placement
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 12 or special placement
Other:

**Advanced Placement Chinese IV** is a full-year course that covers the equivalent of a second-year college Chinese course. The class is conducted in Mandarin. Students are required to speak Mandarin daily during class. The students explore authentic, contemporary and historical Chinese language and culture. Students apply their growing cultural knowledge to communicative tasks in real-life contexts and develop the ability to write and speak in a variety of discourse styles. Students also explore Chinese culture and language in feature-length film studies. Chinese literacy skills are enhanced with the study of a variety of literary selections. A thorough, step-by-step approach is used to prepare students for the Advanced Placement Chinese Exam including practice with the required keyboarding and handwriting skills.

**Advanced Placement French V Language**
Course No.: 2502
Prerequisite: Previous level or placement
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 11, 12
Other:

**Advanced Placement French V Language** provides a rigorous review and refinement of grammar, composition, reading and communication skills leading to the Advanced Placement French Language Examination. Students are expected to participate in a variety of communicative situations. Students will read complete novels or plays and study feature-length films. Extensive oral and written work is expected.
Advanced Placement German IV
Course No.: 2504
Prerequisite: Previous level or placement
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 12
Other:

Advanced Placement German IV develops competence to understand, speak, read and write German for employment, pleasure and personal growth or for continued study at the intermediate or advanced level in colleges or universities. Students read, discuss, and write about a variety of literary selections. A thorough, step-by-step approach is used to prepare students for the Advanced Placement German Examination. Students will study feature-length films and create research projects to further enhance communication skills and cultural understanding.

Advanced Placement Latin IV
Course No.: 2508
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 12
Other:

Advanced Placement Latin IV (Caesar and Vergil) follows the AP Latin curriculum specified by the College Board and completes the basic canon of secondary Latin instruction with selections from Caesar’s De Bello Gallico and Vergil’s Aeneid. Knowledge of Latin grammar and syntax is assumed. Basic goals of the course aim toward enhancing fluency and confidence in reading advanced Latin literature, strengthening literary analysis skills, and developing an appreciation of the literary contributions of two authors of the Late Republic and the Early Empire. There will be a solid focus on learning to scan dactylic hexameter, identifying rhetorical and poetic devices, and reading advanced Latin at sight.

AP Spanish Language & Culture
Course No.: 2558
Prerequisite: Previous level or placement
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 12
Other:

AP Spanish Language & Culture prepares the advanced student for the study of the language at an intermediate or higher level in college and provides extensive training for those who take the Advanced Placement Spanish Language and Culture Exam. The course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish V Language course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

Chinese I
Course No.: 2512
Prerequisite: Placement for grade 9; none for grades 10-12
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 9, 10, 11, 12
Other:

Chinese I is the first year of a four-year introduction to Mandarin Chinese, the official language of mainland China and Taiwan. It provides students with a firm foundation in the basics of contemporary Chinese language and culture. Emphasis is on the writing of simplified Chinese characters to create simple sentences and the familiarization with traditional characters. Oral proficiency in Chinese is based on an understanding of the characteristic tones and pinyin (phonetic transliteration system for the sounds of Chinese). Topics discussed include daily routines, family, and school life. Students will develop listening, speaking, reading and writing skills in class by practicing them in real life situations. Students are encouraged to speak Chinese in class.
Chinese II Honors
Course No.: 2514
Prerequisite: Placement for grade 9; previous level or placement for grades 10-12
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 9, 10, 11, 12
Other:

Chinese II Honors is the second year of a four-year introduction to Mandarin Chinese. Students will continue to develop their foundation in the basics of contemporary Mandarin Chinese and the Chinese culture. Topics addressed are time, meals, making requests, shopping, birthday celebrations, directions, hobbies and weather. Multiple daily activities and instructional strategies will allow students to further develop listening, speaking, reading and writing skills. Students are required to speak the target language in class. Short research projects are included in every lesson to enhance cultural studies. Units include children's literature and poetry. Socio-linguistics and sociocultural factors important to cross-cultural communication are addressed.

Chinese III Honors
Course No.: 2516
Prerequisite: Placement for grade 9; previous level or placement for grades 10-12
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 9, 10, 11, 12
Other: Extended Study Option

Chinese III Honors is the third year of a four-year introduction to Mandarin Chinese. Students will strengthen and refine listening, speaking, reading, and writing skills as well as broaden their knowledge of the Chinese culture. Topics addressed include travel, transportation, health, visiting a doctor, renting an apartment, future plans, and the arts. The target language will be used to drive instruction, student participation, and communication. Selected readings and various articles will further the development of Chinese literacy skills. Each semester, cultural topics are presented with one feature-length film unit and multiple, short research projects.

Chinese IV Honors
Course No.: 2518
Prerequisite: Placement for grade 9; previous level or placement for grades 10-12
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 9, 10, 11, 12
Other:

Chinese IV Honors continues to strengthen the active use of Chinese. Students read, discuss, and write about a variety of literary selections. Discussions increase conversational fluency through the exchange of ideas. Students develop ideas and practice vocabulary and structure in writing compositions. In addition, students are involved in research projects focusing on a variety of topics. Students also explore Chinese culture and language in feature-length film studies. This course is for students who want to continue Chinese language and culture studies but who do not desire Advanced Placement test preparation.

French I
Course No.: 2520
Prerequisite: Placement for grade 9; none for grades 10-12
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 9, 10, 11, 12
Other:

French I begins to develop the four basic language skills of listening, speaking, reading, and writing presented within a cultural context. The course stresses understanding of French vocabulary and grammatical structures through exercises in listening and speaking and assignments in reading and writing. French society and culture are also studied. Cultural focus is on daily life, family, school, and French around the world.

French II
Course No.: 2522
Prerequisite: Placement for grade 9; previous level or placement
Credit: 1.0 / Full Year
Fees: $25.00
Grades: 9, 10, 11, 12
Other:

French II reviews, strengthens, and expands students' French language skills. Students will improve their understanding of French grammatical structure and expand their vocabulary. In addition, students will increase their reading, writing, speaking, and listening skills. Cultural enrichment is offered in the form of films, readings, videos, and music.
French III Honors is intended for students with an understanding of the basic principles of the French language. The course emphasizes cultural and practical uses of speaking, listening, reading, and writing skills. The course introduces new verb tenses and grammatical elements. Students will be able to understand spoken French and respond in a manner comprehensible to a native speaker. Cultural enrichment is offered in the form of films, articles, videos, and music. Students will read one novel.

French IV Honors is intended for students who wish to increase their proficiency in speaking, reading, writing, and understanding French within a cultural context. Students will review and further develop their knowledge of French grammar and syntax. They will increase their vocabulary and develop greater fluency and accuracy. Plays, short stories, and novels may be read. Students will study two feature-length films and complete a study unit on French Impressionism.

See Summer School curriculum listing for course description.

German I begins to develop basic understanding, speaking, reading, and writing of German for everyday living. Students will practice listening, speaking, reading, and writing through dialogues, a variety of computer lab activities, feature-length film studies, and other resource materials. Grammar structure and usage are studied. Students learn about the way of life of German-speaking people and study the differences and similarities of people in Germany, Austria and Switzerland. Individual as well as group research projects explore areas of culture and language. Students will read at least one graded reader.

German II Honors reviews and expands understanding, speaking, reading and writing skills. Students increase their active vocabulary and knowledge of grammatical structures as they learn about German culture in German. Conversations, dialogues, narrative readings, audiovisual materials, a variety of computer lab activities, and feature-length film studies focus on everyday life in German-speaking countries. This class is conducted in German. Students learn to assume leadership roles in peer practice activities, research projects, and presentations.

German III Honors strengthens and refines the students’ abilities to understand, speak, read and write. German is used in all individual and group activities to develop fluency. Students read, discuss, and write about a variety of reading and literary selections. In addition, students are involved in research projects focusing on a variety of topics. Students also explore German culture and language in feature-length film studies.
**German IV Honors**
Course No.: 2536  
Prerequisite: Previous level or placement  
Credit: 1.0 / Full Year  
Fees: $25.00  
Grades: 12  
Other:

**German IV Honors** continues to strengthen the active use of German. Students read, discuss, and write about a variety of literary selections. Discussions increase conversational fluency through the exchange of ideas. Students develop ideas and practice vocabulary and structure in writing compositions. In addition, students are involved in research projects focusing on a variety of topics. Students also explore German culture and language in feature-length film studies. This course is for students who want to continue German language and culture studies but who do not desire Advanced Placement test preparation.

**Language Culture Study Abroad**
Course No.: 2537H (0.5 credit), 2538 (1.0 credit)  
Prerequisite: Placement; interested students must contact the International Languages Supervisor for program approval prior to enrollment.  
Fees:  
Grades: 9, 10, 11, 12  
Other: A maximum of 1.0 credit may be received throughout a student's four years in high school. Grades received will not be included in the student’s GPA.

**Language Culture Study Abroad** is an opportunity for a student who participates in a recognized study abroad program to be awarded credit. The study of a foreign language and increased proficiency in that language must be demonstrated upon his/her return in the form of transcripts or a written evaluation by the program instructor, and an interview with the International Languages Supervisor. 1.0 credit will be awarded following participation in a recognized study abroad program that afforded the student a minimum of nine months study abroad once department expectations have been met. 0.5 credits will be awarded following participation in a recognized study abroad program that afforded the student three weeks or more of experience and language study abroad once department expectations have been met.

**Latin I**
Course No.: 2540  
Prerequisite: Placement for grade 9; none for grades 10-12  
Credit: 1.0 / Full Year  
Fees: $25.00  
Grades: 9, 10, 11, 12  
Other:

**Latin I** introduces students to the everyday life of a Roman family living during the first century A.D. while focusing on the fundamentals of Latin grammar. Through sequential, thematic readings in Latin, students will become familiar with the elements of Latin prose. Through an interdisciplinary approach, students will become aware of how Latin and the Romans have influenced our own vocabulary, history, art, architecture, politics, etc.

**Latin II Honors**
Course No.: 2542  
Prerequisite: Previous level or placement  
Credit: 1.0 / Full Year  
Fees: $25.00  
Grades: 10, 11, 12  
Other:

After a review of the first year, **Latin II Honors** builds upon the foundation laid in the introductory year through added instruction of Latin grammar and syntax. Attention is given to building and solidifying the student's basic vocabulary through additional vocabulary and continued exposure to English derivatives. There will be a solid focus on strengthening reading and translation skills. Gaining an appreciation of the daily life of the Romans, and the progression of Roman history from the period of the kings through the Republic is an important feature of this course.

**Latin III Honors**
Course No.: 2546  
Prerequisite: Previous level or placement  
Credit: 1.0 / Full Year  
Fees: $25.00  
Grades: 11, 12  
Other:

After a review of the second year, **Latin III Honors** builds upon the foundation laid in the introductory years through continued instruction of Latin grammar and syntax. Attention is given to solidifying the student’s vocabulary through more advanced vocabulary and continued exposure to English derivatives. The students will be introduced to Latin prose by Cicero, Augustus, Eutropius, Caesar and Asconius. Gaining an appreciation of the Roman Republic and Empire is an important feature of this course.
Latin IV Honors completes the basic canon of secondary Latin instruction with substantive selections from the orator Cicero, and the lyric poetry of two premier love poets, Ovid and Catullus. Students will also be introduced to the works of Petronius and Pliny the Younger, two writers of the early Empire. The goals of the course aim toward reinforcing Latin grammar, vocabulary, and syntax. There will be a solid focus on improving the student’s fluency in reading advanced literature and strengthening literary analysis skills. Developing an appreciation of the progression of Roman history from the period of the Republic through the Empire is also an important feature of this course.

Spanish I is an introductory course focused on the development of listening, speaking, reading, and writing skills. Spanish grammatical structures, vocabulary and pronunciation are stressed. Students learn to express themselves in Spanish orally and in writing. Students will practice language skills using a variety of computer lab activities, feature-length film studies and a supplementary reader. Cultural units and activities will be incorporated in each chapter to explore the art, music, geography, history, and customs of the Hispanic world.

Spanish II enhances the language skills of students and develops the understanding of complex grammatical concepts. Reading, writing, listening, and speaking exercises aid the development of communication skills. The study of Spanish and Latin American cultures is continued through work in the language lab, class discussions, and research projects. Literacy and culture will also be emphasized through the use of a supplementary reader. Students enhance their listening comprehension skills through films and videos.

Spanish III Honors emphasizes the further development of oral skills through discussions and daily participation in the target language, as well as the study of grammar and vocabulary through reading and compositions. Students read, discuss, and write about a variety of reading selections including a short novel. Hispanic cultural studies are continued with feature-length film studies. Students increase their proficiency in speaking, understanding, reading, and writing Spanish.

Spanish IV Honors provides an in depth grammatical review, as well as the introduction of advanced grammatical concepts and vocabulary development. This course develops an appreciation of Latin American and Spanish cultures through reading fiction, non-fiction and a full-length novel, writing, conversation, language lab activities, feature films, and projects. Students are expected to contribute daily in class discussions and activities.
LAKE COUNTY TECHNOLOGY CAMPUS  
(Grayslake, IL)

Philosophy Statement
The Lake County High Schools Technology Campus was designed to extend career and technical education opportunities for Lake County high schools. All programs are available to juniors and seniors and most programs are available to sophomores as well. Programs at the Technology Campus provide great preparation for students looking to begin a career as well as for those who wish to continue their studies in college. In addition, many courses have dual credit with the College of Lake County.

CHOOSE A COURSE: Copies of the current Technology Campus Program Catalog can be found in your counselor’s office. Students interested in Technology Campus courses must fill out an application and return it during the course registration process in February. The student’s counselor will work closely with their students to determine the best program fit. Students who successfully complete a Technology Campus Program will receive one and one half (1.5) credits per semester. Students interested in learning more about the Technology Campus and program offerings can find additional information by visiting their web site at [http://www.techcampus.org](http://www.techcampus.org)/programs.

CHOOSE A SESSION: Students may choose to attend the Technology Campus for either Session I or Session III. This will allow greater flexibility in developing an academic plan that will allow the student to meet their academic goals both at LHS and the Lake County Technology Campus. Students are required to ride a school bus each way. The chart below shows the Tech Campus bus schedule and the periods they would be in attendance at LHS.

<table>
<thead>
<tr>
<th>Tech Campus</th>
<th>Tech Campus Time</th>
<th>Bus Departs LHS</th>
<th>Bus Returns to LHS</th>
<th>Attend LHS for periods ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session I</td>
<td>8:20 -10:20AM</td>
<td>7:40AM</td>
<td>10:45AM</td>
<td>5 - 8</td>
</tr>
<tr>
<td>Session I: Cosmetology</td>
<td>8:15 - 11:45AM</td>
<td>7:40AM</td>
<td>11:30AM</td>
<td>6 - 8</td>
</tr>
<tr>
<td>Session III</td>
<td>1:00 - 3:00PM</td>
<td>12:30PM</td>
<td>3:25PM</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Session III: Cosmetology</td>
<td>1:00 - 4:30PM</td>
<td>12:30PM</td>
<td>4:55PM</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

CONSIDER COURSE FEES: Many Technology Campus programs require students to purchase uniforms, safety glasses, tools of the trade, or other consumable items in addition to lab fees. Lab fees are approximate and vary according to each student’s program. All lab fees are subject to change and are charged to the student through the Technology Campus, not Libertyville High School.

Technology Campus Course Descriptions

Communications & Computer Programs

**App Development and 3D Gaming**  
Course No.: 2762  
Prerequisite: High School reading and math  
Credit: 1.5 per semester/Full Year  
Fees: $33  
Grades: 10, 11, 12  
Mobile Media Programmers become creative coders competent in applying interactive principles and theories to mobile and 3D game development. Students learn to think and act as innovators, adept at using a variety of technologies and processes to express ideas and solve gaming as well as mobile media design problems. We prepare students to develop software applications and other interactive media for mobile devices such as: smartphone, tablets, and 3-D Game Applications that can run on a variety of platforms.
**Computer Support Services I & II**
Course No.: 2762
Prerequisite: High School reading and math
Credit: 1.5 per semester/Full Year
Fees: $130
Grades: 10, 11, 12

This program will prepare students for careers in the computer field. Students will install, maintain, upgrade, and repair computer hardware & software on workstations and network systems. This program will prepare students for the A+ Certification Exam. Upon successful completion of this program, students will be able to diagnose hardware or software failures and perform the actions necessary to correct the problems based on knowledge of the system's operation.

**Game Programming & Virtualization**
Course No.: 2762
Prerequisite: High School reading and math
Credit: 1.5 per semester/Full Year
Fees: $33
Grades: 10, 11, 12

This program is designed to provide instruction in the computer science field. Students will be able to develop video games & professional programs using realistic hands-on interdisciplinary exercises. The game programming curriculum will focus on industry standard coding languages. Additional training will cover 2D and 3D animation. Additionally, students will work with virtual reality technologies providing experience in virtualizations allowing complex data or situations in a simulated real-world application.

**Multimedia Design**
Course No.: 2762
Prerequisite: High School reading and math
Credit: 1.5 per semester/Full Year
Fees: $75
Grades: 10, 11, 12

This program prepares students for a variety of design careers including graphic designer, web designer, filmmaker, and entry-level animation. Students will design and produce a variety of print and digital publications utilizing a variety of software applications and technologies including but not limited to: Adobe(r) Suite(r), Autodesk Sketch Up Pro, XHTML, and CSS.

**Photographic Design I & II**
Course No.: 2762
Prerequisite: High School reading and math
Credit: 1.5 per semester/Full Year
Fees: $75
Grades: 10, 11, 12

This program provides an understanding of the photography and digital imaging industry. Students will receive extensive training in traditional black and white photography which includes taking pictures, developing in the program's darkroom, and printing black and white photographs. Digital photography, portrait photography, and advertising photography skills are taught as part of the program. Photographic studio skills taught include techniques for camera use, lighting placement, background, props, and layout. A major emphasis will be on digital imaging using the program Adobe® Photoshop® for photograph restoration, special effects, touch ups and manipulation.

**Manufacturing/Industrial Programs**

**Automation, Robotics and Mechatronics**
Course No.: 2762
Prerequisite: Placement score on the Accuplacer CLC or 17 on ACT Math
Credit: 1.5 per semester/Full Year
Fees: TBA
Grades: 11, 12
Other: Offered Session I only - Semester 1 at Tech Campus, Semester 2 at CLC

This program combines robotics, mechanics, electronics and computer technologies to create "smart" products that improve lives in countless ways. Mechatronics engineers help design, install, maintain and repair industrial equipment and a wide variety of appliances used in businesses and at home. These range from personal and industrial robots to artificial limbs, automatic teller machines (ATMs) and hybrid cars-just to name a few.
Construction Skills and Management I & II
Course No.: 2762
Prerequisite: High School reading and math
Credit: 1.5 per semester/Full Year
Fees: $9 plus approved tools and accessories
Grades: 10, 11, 12
This course provides students with fundamental knowledge and skill in job planning and scheduling, while still continuing skill growth from year I. Students will be involved in all phases of planning and scheduling from the process of listing and sequencing to the development of the more complicated critical path network. In addition, students will review construction specifications and how they relate to national, state, and local building codes. Topics related to job safety and Occupational, Safety, and Health Administration (OSHA) regulations will also be discussed.

Photonics I & II
Course No.: 2762
Prerequisite: Placement score on the Accuplacer CLC or 17 on ACT Math
Credit: 1.5 per semester/Full Year
Fees: $30
Grades: 11, 12
Other: Class meets at CLC
This program will offer students hands on learning with state-of-the-art optical and laser equipment. Photonics is the technology of generating and harnessing light and other forms of radiant energy whose quantum unit is the photon. Photonics involves cutting-edge uses of lasers, optics, fiber-optics, and electro-optical devices in numerous and diverse fields of technology, manufacturing, health, telecommunication, environment monitoring, homeland security, aerospace, green construction and many others.

Project Lead The Way: Introduction to Engineering Design (IED) & Principles of Engineering (POE)
Course No.: 2762
Prerequisite: concurrent enrollment in higher level math
Credit: 1.5 per semester/Full Year
Fees: TBA
Grades: 10, 11, 12
IED (Fall Semester) - Discover the roles of an engineer and engineering technician in taking an idea from design to manufacturing or production. Using Inventor - 3D design software from Autodesk - work on projects, activities, and problems not only of interest to you, but that have global and human impacts. Work in teams to design and improve products, document your solutions, and communicate them to others.
POE (Spring Semester) - Master basic concepts needed to continue your education in engineering or engineering technology - then apply them! First, understand how things move, then test the strength and durability of different materials. Explore the uses of renewable energy sources, machine systems, and fluid power, brainstorming possible new applications. You aren't in this alone: team up with other students to test and share your developing skills and problem-solving ability through hands-on projects and presentations.

Project Lead The Way: Computer Integrated Manufacturing (CIM) & Civil Engineering and Architecture (CEA)
Course No.: 2762
Prerequisite: concurrent enrollment in higher level math
Credit: 1.5 per semester/Full Year
Fees: TBA
Grades: 11, 12
Other: Session III only
CIM (Fall Semester) - This course identifies the opportunities related to understanding manufacturing by providing students with the opportunities to come up with ideas, testing scientific principles and perfecting the product engineering. At the same time, teaching students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.
CEA (Spring Semester) - In this course students will get a chance to discover Architecture and Engineering from the perspective of making a difference and the potential to enrich the human experience with structures by grasping the understanding of building and site development. In addition students will apply math, science and standard engineering practices to design both residential and commercial projects through the use of REVIT a 3D architecture design software.

Welding & Fabrication I & II
Course No.: 2762
Prerequisite: High School reading and math
Credit: 1.5 per semester/Full Year
Fees: $130
Grades: 10, 11, 12
This program provides hands-on experiences gained from extensive practice and application of knowledge in shop safety, oxy-fuel welding and burning, arc welding, (stick, MIG, TIG), plasma arc cutting, and automatic shape cutting. Layout and fit-up, blueprint reading, and weld symbols are used to fabricate a variety of metal projects. The American Welding Society (AWS) recognizes the Tech Campus Welding program as an Educational Instruction Member.
**Human Services Programs**

**Certified Nurse Assisting**
Course No.: 2762  
Prerequisite: High School reading and math, Biology, SSN  
Credit: 1.5 per semester/Full Year  
Fees: 135.50  
Grades: 11, 12  
Other: 2 Step TB test, Criminal Background Check for CNA Clinical

This program is designed to prepare students for employment as nurse assistants and for future entry into nursing education programs. This program leads to a CNA certification. Training will include the development of basic nursing and cardiopulmonary resuscitation skills through lecture, laboratory demonstrations, laboratory practice, and clinical experience. Instruction in this program includes a minimum of forty clinical hours held in long-term facilities in the community. Upon successful completion of this program, students will be eligible to take the written examination for the nurse assistant state certification.

**Cosmetology I & II**
Course No.: 2768  
Prerequisite: High School reading and math, SSN, Saturday travel  
Credit: 1.5 per semester/Full Year  
Fees: $342  
Grades: 11, 12

The Tech Campus offers a Cosmetology program that includes nail technology. Students will acquire the 1500 hours of experience required for licensing while learning how to perform shampoos, make-overs, facials, hair-styling, manicuring, sculptured nails, permanent waving, hair coloring, and cutting. Following the lab phase of the program, students will reinforce their training by working on clients in the Tech Campus Creations Salon.

**Culinary Arts**
Course No.: 2762  
Prerequisite: High School reading and math  
Credit: 1.5 per semester/Full Year  
Fees: $196  
Grades: 10, 11, 12

This program provides culinary and hospitality education designed to prepare students for the many positions in the hospitality industry. Students will gain skills and knowledge in cold and hot food preparation, nutrition, baking, pastry, menu planning, sanitation, equipment operation, inventory control, purchasing, and front-of-the-house customer service skills. Skills will be practiced in planning, organizing, and preparing culinary creations for special events, competitions and the Tech Campus Deli.

**Early Childhood Education I & II**
Course No.: 2762  
Prerequisite: High School reading and math, no criminal record  
Credit: 1.5 per semester/Full Year  
Fees: $42 plus supplies and smock  
Grades: 10, 11, 12  
Other:

This program is designed to prepare students for a variety of careers serving children. Students will develop skills to plan and implement age-appropriate activities in one of the two operating preschool labs. These skills include developing educational activities for the preschool children in creative arts, math, science, music, and language. Instruction will focus on the positive guidance of child behavior and all aspects of their development.

**Emergency Medical Services**
Course No.: 2762  
Prerequisite: High School reading and math, SSN  
Credit: 1.5 per semester/Full Year  
Fees: $186  
Grades: 12 only

This program prepares students to take the licensure examination of the Illinois Department of Public Health to become an EMT-B. Activities include clinical experiences in a hospital emergency room and ride alongs with local Fire/EMS departments. Students will learn American Heart Association Healthcare Provider CPR, patient assessment, stabilization, and initial pre-hospital medical treatment of injured and ill patients.

**Fire Fighting**
Course No.: 2762  
Prerequisite: High School reading and math  
Credit: 1.5 per semester/Full Year  
Fees: $226  
Grades: 10, 11, 12

This program is designed to prepare students for entry-level fire fighter positions. Skills taught are: understanding fire chemistry, wearing personal protective clothing, identifying ropes, tying knots, using fire extinguishers, performing forcible entry, carrying and raising ladders, operating self-contained breathing apparatus, employing search and rescue techniques, working with ventilation tools, and practicing hose evolutions on an operating fire engine. Leadership and communication skills help prepare the student for future certification.
**Intro to Criminal Justice**  
Course No.: 2762  
Prerequisite: High School reading and math  
Credit: 1.5 per semester/Full Year  
Fees: $48  
Grades: 10, 11, 12  

This course provides a general introduction to the criminal justice system including the historical development of criminal justice in the United States. The class will also cover ethical considerations for criminal justice professionals and the challenges to police officers as well as constitutional considerations for policing. As we move into the function of the courts, we will discuss the structure and function of the courts, identify members of the courtroom workgroup and their responsibilities, sentences and punishments available to the court. We will devote attention to examining the structure and function of our court system. This will include a student lead mock trial. Following that, we will cover corrections, including distinctions between jails and prisons, the world behind bars, and community corrections. Finally, we will take on specialty topics, including juvenile justice, terrorism, gun control, and the debate related to legalizing marijuana. Throughout the course we will contemplate the social, moral, ethical, and political issues involved in the administration of justice in a free society.

**Intro to Policing**  
Course No.: 2762  
Prerequisite: High School reading and math  
Credit: 1.5 per semester/Full Year  
Fees: $48  
Grades: 10, 11, 12  

This program prepares students for careers in the policing field. The class will focus on police procedures that are standard to a new police officer and the steps that are necessary to take to continue into a career of policing. The class will also explore basic crime scene investigation, Interview and interrogation methods, and a study of criminal investigation.

**Medical Assisting**  
Course No.: 2762  
Prerequisite: High School reading and math, Biology, no criminal record  
Credit: 1.5 per semester/Full Year  
Fees: $130.70  
Grades: 10, 11, 12  

This program introduces students to a wide variety of careers in the allied health field including medical lab technician, medical assistant, and medical office professional. Training will include medical terminology, communication, body structure and function, vital sign measurement, principles of infection control, medical instrumentation, pharmacy technology, medical office assistant certification procedures, and microscope usage.

**Transportation Programs**  

**Automotive Collision Repair I & II**  
Course No.: 2762  
Prerequisite: High School reading and math  
Credit: 1.5 per semester/Full Year  
Fees: $120  

This program provides students with the fundamental skills of the automotive collision repair industry. Instruction in the program emphasizes both the repair and the refinishing skills associated with restoring a damaged automobile to factory specifications. Using an industry-endorsed curriculum, students will develop core skills in automobile construction, sheet metal damage repair, MIG welding, and basic refinishing. Upon mastery of the skills in core areas, students will gain skills in damage estimating, shop management, heavy collision repair, and finish matching.

**Automotive Services I & II**  
Course No.: 2762  
Prerequisite: High School reading and math  
Credit: 1.5 per semester/Full Year  
Fees: $112 plus approved tool set  

This program will provide students with a solid foundation of skills to enter the automotive service industry. Training in the program emphasizes the development of skills in the core service areas utilizing factory procedures and industry standards in the school's fully operational repair shop. Instruction will feature training on brakes, steering and suspension, electrical systems, and engine performance. Upon successful completion of this program, students will be prepared to take the ASE (Automotive Service Excellence) certification exams in the areas emphasized in the program.
**MATHEMATICS**

**Philosophy Statement**

The need to understand, apply, and communicate mathematics in everyday life has never been greater. A high quality mathematics education equips students with an understanding of the world around them and the capacity to be successful in it. Mathematics is a way of approaching new challenges through exploring, reasoning, visualizing, and problem solving with the goal of communicating the relationships observed and the problems solved.

The Mathematics Department is committed to empowering all students to think critically, reason effectively, and become problem solvers. The department is committed to providing curriculum, instruction, and assessment that foster these attributes in our students.

The department also believes that technology is an important tool that enhances student learning. While paper and pencil are still appropriate in many situations, the demands of an ever-changing technological world mandate that every student be a competent user of technology. Calculators and computers are widely used at home and in the workplace. Use of these devices in mathematics will match the realities of everyday life, develop students’ reasoning skills, and promote the understanding and application of mathematics. The TI-84+ graphing calculator is required in all math courses except Computer Science. For more information, the department’s calculator policy can be found in the student handbook or visit the math department link on the school website.

**Mathematics - Course Descriptions**

- It would be to the student’s advantage to have earned a grade of “C” or better to advance to the next level.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Course No.</th>
<th>Prerequisite</th>
<th>Credit</th>
<th>Fees</th>
<th>Grades:</th>
<th>Other:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Algebra with Trigonometry and Statistics</td>
<td>3002</td>
<td>Intermediate Algebra II</td>
<td>1.0 / Full Year</td>
<td></td>
<td>11, 12</td>
<td>A TI-84+ graphing calculator is required.</td>
</tr>
</tbody>
</table>

**Advanced Algebra with Trigonometry and Statistics** students will study exponential and logarithmic functions, rational functions, sequences and series, conic sections, probability, standard deviation and normal distributions, radian measure, trigonometric functions and identities, and law of sines and law of cosines.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Course No.</th>
<th>Prerequisite</th>
<th>Credit</th>
<th>Fees</th>
<th>Grades:</th>
<th>Other:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Placement Calculus AB</td>
<td>3014</td>
<td>Precalculus or Precalculus Honors</td>
<td>1.0 / Full Year</td>
<td></td>
<td>11, 12</td>
<td>A TI-84+ graphing calculator is required.</td>
</tr>
</tbody>
</table>

**Advanced Placement Calculus AB** is a college level course whose topics are prescribed by the College Entrance Examination Board. Extensive work is done in the areas of elementary functions and differential calculus, as well as in some of the topics of integral calculus. This course is equivalent to one semester of college calculus.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Course No.</th>
<th>Prerequisite</th>
<th>Credit</th>
<th>Fees</th>
<th>Grades:</th>
<th>Other:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Placement Calculus BC</td>
<td>3016</td>
<td>Precalculus Honors</td>
<td>1.0 / Full Year</td>
<td></td>
<td>11, 12</td>
<td>A TI-84+ graphing calculator is required.</td>
</tr>
</tbody>
</table>

**Advanced Placement Calculus BC** is a college level course whose topics are prescribed by the College Entrance Examination Board. Extensive work is done in the areas of elementary functions, differential calculus, and integral calculus. Some fundamental work is also done in the areas of sequences and series and differential equations. This course is equivalent to two semesters of college calculus. Students who have completed Calculus AB can only earn credit for the second semester of Calculus BC.
Advanced Placement Computer Science A
Course No.: 3022
Prerequisite: Computer Science Honors
Credit: 1.0 / Full Year
Fees: $20.00
Grades: 10, 11, 12
Other:

Advanced Placement Computer Science Principles
Course No.: 3026
Prerequisite: Algebra I
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other:

Advanced Placement Statistics
Course No.: 3020
Prerequisite: Algebra II or Algebra II Honors
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: A TI-84+ graphing calculator is required.

Algebra I
Course No.: 3024
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: A TI-84+ graphing calculator is required.

Algebra I Two Period Option
Course No.: 3030
Prerequisite: Placement
Credit: 2.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: Meets two consecutive periods each day.
A TI-84+ graphing calculator is required.

Algebra II
Course No.: 3032
Prerequisite: Algebra I and Geometry
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: A TI-84+ graphing calculator is required.

Advanced Placement Computer Science A (JAVA) is a college level course whose topics are prescribed by the College Board. The course covers materials that would normally comprise three or more hours of college level computer science course work. Topics include object oriented programming, methodology, inheritance, classes, array processing, data types, iteration, and selection. Students are expected to attain mastery of fundamental programming techniques.

Advanced Placement Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career.

Advanced Placement Statistics introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns in advance and performing statistical inference. Students will complete a variety of projects throughout the year. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course.

Algebra I topics include properties of real numbers, solving equations and inequalities, linear functions, systems of equations, properties of exponents and exponential functions, polynomials and factoring, quadratic functions and equations, radical expressions and equations, rational expressions and functions, and data analysis and probability. Emphasis is placed on problem solving and constructing mathematical arguments.

Algebra I Two Period Option is designed and paced in a way to help students both learn and retain algebraic concepts. Topics include properties of real numbers, solving equations and inequalities, linear functions, systems of equations, properties of exponents and exponential functions, polynomials and factoring, quadratic functions and equations, radical expressions and equations, rational expressions and functions, and data analysis and probability. Emphasis is placed on problem solving and constructing mathematical arguments. This course fulfills the Algebra I component of Illinois’ math graduation requirement.

Algebra II includes such topics as the real number system, functions and relations, linear functions, systems of linear equations and inequalities, quadratic functions, polynomial functions, radical functions and rational exponents, exponential and logarithmic functions, rational functions, sequences and series, probability and stats, right triangle trigonometry, the unit circle, radian measure, graphing sine and cosine functions, and sinusoidal modeling. A strong emphasis is placed on problem solving and technology applications.
Algebra II Honors
Course No.: 3034
Prerequisite: Geometry Honors or Placement
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: A TI-84+ graphing calculator is required.

Algebra II Honors offers fast paced and in-depth coverage of polynomial, rational, inverse, exponential, and logarithmic functions. Other topics include equations, graphs, complex numbers and matrices. Second semester includes an in-depth study of trigonometry, including right triangle trig, law of sines/cosines, identities, graphing of trig functions, and sinusoidal modeling.

Calculus I Honors
Course No.: 3040
Prerequisite: Precalculus
Credit: 1.0 / Full Year
Fees:
Grades: 11, 12
Other: A TI-84+ graphing calculator is required.

Calculus I Honors begins with a study of limits and their properties. Other topics include differentiation, applications of differentiation, and an introduction to integration. This course is not designed to prepare students for the AP Calculus AB exam. Students wishing to take the AP Calculus AB exam should enroll in AP Calculus AB.

Computer Science Honors
Course No.: 3041F, 3042S
Prerequisite: Geometry, concurrent enrollment in Geometry Honors or Placement
Credit: 0.5 / Semesters 1 and 2
Fees: $10.00
Grades: 9, 10, 11, 12
Other:

Computer Science Honors (Alice) is a course for any student interested in computer programming. The student will use Alice to learn fundamental programming concepts in the context of creating 3-D animated movies and simple video games. In Alice, 3-D objects (e.g., people, animals, and vehicles) populate a virtual world and students create programs to animate these objects. Topics include programming methodology, iteration, data selection, function design, and arrays. The student will receive a firm foundation of computer programming needed to take the Advanced Placement Computer Science course.

Geometry
Course No.: 3050
Prerequisite: Algebra I or Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: A TI-84+ graphing calculator is required.

Geometry students will learn to recognize and understand the various geometric shapes and solids, and know their properties. They will develop deductive reasoning ability and use it on proofs of geometric ideas. The course includes such topics as polygons, transformations, similar figures, circles, areas and volumes, geometric probability, three-dimensional figures, and drawing and construction of lines, planes, and angles.

Geometry Honors
Course No.: 3052
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10
Other: A TI-84+ graphing calculator is required.

Geometry Honors includes all the topics taught in the Geometry course. In addition, topics of Euclidean Geometry that cover logical reasoning (proofs), coordinate geometry, right triangle and non-right triangle trigonometry, loci of points and constructions, as well as non-coplanar geometry are included.

Informal Geometry
Course No.: 3060
Prerequisite: Algebra I
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: A TI-84+ graphing calculator is required.

Informal Geometry is similar to Geometry with the difference being a lighter emphasis on formal proofs. Informal Geometry will help students develop reasoning skills through their study of shapes, area, volume, congruence, angle relationships, similarity, special right triangles, and right triangle trigonometry.
Intermediate Algebra II
Course No.: 3064
Prerequisite: Informal Geometry or Geometry
Credit: 1.0 / Full Year
Fees:
Grades: 11, 12
Other: A TI-84+ graphing calculator is required.

Intermediate Algebra II is an intermediate second year algebra course. Students will study linear and exponential relationships, relations and functions, systems of linear equations and inequalities, matrices, quadratic functions, variation, rational functions, and radical functions. The instruction is designed and paced in a way to help students both learn and retain mathematical concepts while connecting them to the real world.

Precalculus I
Course No.: 3045F
Prerequisite: Advanced Algebra with Trig and Stats, Algebra II, or Algebra II Honors
Credit: 0.5 / Semester I
Fees:
Grades: 11, 12
Other: A TI-84+ graphing calculator is required.

Precalculus I completes the study of trigonometric functions and their graphs, inverse trigonometric functions, identities, and the law of sines/cosines. Other topics include polar curves, parametric equations, and probability.

Precalculus
Course No.: 3042
Prerequisite: Algebra II or Algebra II Honors
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: A TI-84+ graphing calculator is required.

Precalculus completes an in-depth study of polynomial, trigonometric, logarithmic and exponential functions. Other topics include conic sections, polar curves, parametric equations, sequences and series, probability limits, and an introduction to calculus.

Precalculus Honors
Course No.: 3044
Prerequisite: Algebra II Honors
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: A TI-84+ graphing calculator is required.

Precalculus Honors begins with a review of polynomial functions and their applications. Other topics include analytic geometry, conic sections, polar curves, parametric equations, sequences and series, limits and an introduction to calculus complete the course.

Statistics
Course No.: 3071F, 3072S
Prerequisite: Advanced Algebra with Trigonometry and Statistics, Algebra II or Algebra II Honors
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 11, 12
Other: A TI-84+ graphing calculator is required.

People in nearly every field of endeavor need to know how to collect, organize, analyze and especially interpret numerical information. Many of the problems you encounter in Statistics are collected from real-life situations. Topics include measures of central tendency, probability, hypothesis testing, and standardized normal curve analysis.
Mathematics Department
Course Sequences

9
- Algebra I 2-Period

10
- Informal Geometry
- Geometry

11
- Intermediate Algebra II
- Algebra II
- Precalculus Honors

12
- Advanced Algebra with Trig and Stats
- Precalc I & Stats
- Precalculus
- Calculus I Honors
- AP Calculus AB or AP Statistics
- AP Calculus BC

Normal Math Sequence
Courses Outside of Normal Sequence

Electives - See course descriptions for prerequisites
- AP Computer Science A
- AP Computer Science Principles
- AP Statistics
- Computer Science Honors
- Statistics
* Business Math (Bus. Ed. Dept.)
*This course is not accepted as a math credit by some colleges/universities for college entrance
PHYSICAL WELFARE

Philosophy Statement
The ultimate goal of our comprehensive health and physical education programs is to aid students in the acquisition of knowledge and skills necessary to attain healthy levels of well-being and to maintain active lifestyles. The foundation of all health and physical education programs is the interrelationship of physical, mental, emotional, and social health and well-being. Learners will establish a solid foundation for maintaining healthy, active, and productive lives. Learners must develop movement skills leading toward competency in cardio activities, healthy levels of fitness, and cooperative interaction skills needed for successful participation in an active lifestyle. Teamwork and cooperative skills are used to work effectively with others, set individual and group goals, solve problems, and enhance the quality of interpersonal relationships. Learners will communicate and work in ways that promote and maintain dignity and respect for themselves and others. Through mastery of knowledge, skills, and behaviors essential to healthy living, learners will accept responsibility and consequences for personal decisions and behaviors. The result of persons leading healthy and physically active lifestyles is seen in an increased capacity for effective work, positive behavioral choices, and increased academic success. Students must be enrolled in Physical Welfare every semester they are in attendance. Juniors and Seniors participating in an interscholastic sport sanctioned by IHSA may qualify for a PE Athletic Exemption. Please refer to the student handbook for more details.

Physical Welfare - Course Descriptions

CrossFit
Course No.: 3597F, 3598S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10, 11, 12
Other: Offered Zero Hour (starts at 6:30 a.m.) as well as during the regular school day; Athletic Exemption not permitted during Zero Hour.

CrossFit is offered to sophomores through senior students who are interested in core strength and conditioning program. This program is not a specialized fitness program, but an attempt to optimize physical competence in ten fitness domains (endurance, stamina, strength, flexibility, power, speed, coordination, agility, balance and accuracy). The CrossFit program is designed for universal scalability, making it the perfect application for any committed student regardless of their athletic experience.

Dance I
Course No.: 3551F, 3552S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10, 11, 12
Other: Students are required to wear LHS PE uniform and purchase 1 pair of dance shoes. *Heart Rate Monitors will be worn as part of their grade.

Dance I is a semester long class for students with little to no previous dance experience and an interest in learning about the fundamentals of dance. The class is designed to provide students with the opportunity to create, perform, connect and respond to various styles of dance at a beginning level. Dance I is open to sophomores, juniors and seniors. Students will learn basic elements and techniques of jazz, modern, ballet, and tap dance styles. Improvisation and composition techniques will be introduced, and students will work in groups to choreograph and perform their original compositions. All students will participate in weekly fitness activities. Additionally, students will connect and respond to dance through dance history studies, performance reflections, and goal planning activities promoting artistic achievement and personal fitness. Dance I may be repeated for a maximum of three semesters. After completing three semesters of Dance I, the student must receive permission for placement in Dance II or register for another course in the PE curriculum. Students who have already taken Dance II or Dance III may not register for Dance I without teacher’s permission. There will be no exemptions granted in Dance I.

Dance II
Course No.: 3553F, 3554S

Dance II is a semester long class for students with a minimum of one year of previous dance experience and interest in public performance.
The class is designed to provide students with the opportunity to create, perform, connect and respond to various styles of dance at an intermediate level. Registration for this class will be permitted with teacher placement only. Dance II is open to approved sophomores, juniors and seniors. Students will learn intermediate elements and techniques of jazz, modern, ballet and tap dance styles. Improvisation and composition techniques will be explored and students will work in groups to choreograph and perform their original compositions. Performance in the Fall Semester Dance Demonstration Performance and the Spring Semester evening Semester Curricular Dance Concert will be required of all Dance II students. All students will participate in weekly fitness activities. Additionally, students will connect and respond to dance through dance history studies, performance reflections, and goal planning activities promoting artistic achievement and personal fitness. Dance II may be repeated for a maximum of three semesters. After completing three semesters of Dance II, the student must either audition and receive permission for placement in Dance III or register for another course in the PE curriculum. Students who have already taken Dance III may not register for Dance II without teacher's permission. There will be no exemptions granted in Dance II.

**Dance III**
Course No.: 3556
Prerequisite: Dance II and placement
Credit: 1.0 / Full Year
Fees:
Grades: 11, 12
Other: Students are required to wear LHS PE uniform and purchase 1 pair of dance shoes. Students will be required to complete dance journal entries and one essay assignment in which they analyze their personal movement.
* Heart Rate Monitors will be worn as part of their grade.

**Dance III** is a year long class for students with multiple years of previous dance experience and a strong interest in public performance and choreography. The class is designed to provide students with the opportunity to create, perform, connect and respond to various styles of dance at an advanced level. Registration for this class will be permitted with teacher placement only. Students will study advanced techniques and performance qualities in numerous dance forms. Improvisation and composition techniques will be refined, and students will work both independently and with others to produce and perform dance choreography, showcasing this work at least once each semester. Performance in the Fall Demonstration, evening Orchesis and Semester Curricular Dance Concerts will be required of all Dance III students. All students will participate in weekly fitness activities. Additionally, students will connect and respond to dance through dance history studies, movement analysis assignments, performance reflections, and goal setting activities promoting artistic achievement and personal fitness. Students enrolled in this class will not be permitted to exempt from physical education any time during the semester.
Exercise Physiology
Course No.: 3512S
Prerequisite: Good academic standing in physical education and health classes
Credit: 0.5 / Semester 2
Fees:
Grades: 11, 12
Other: This course cannot be repeated or taken in conjunction with sports medicine in the same school year.
* Students will be expected to dress periodically for respective labs and fitness workouts.

Exercise Physiology delves into the science of exercise for students who have a passion for exercise and fitness. A hands-on approach will allow students to gain an understanding of how the body works as it relates to all forms of exercise (before, during, and after). Topics covered will include genetic predisposition, coronary risk profiling, set point, nutrition analysis, lung volume, and measurement of blood cholesterol, respiratory function, anthropometrics measurement, basal metabolic rate, and heart rate monitoring. Students will be exposed to cutting edge topics and trends as they relate to health and fitness, dietary concerns, and prescriptive exercise. This course will be of interest to students who may want to pursue a career in a health-related fitness profession. Students enrolled in this class will not be permitted to exempt from physical education any time during the semester. Students will also be required to complete fitness testing.

Freshman Physical Education
Course No.: 3517F, 3518S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 9
Other: Heart Rate Monitors will be worn as part of their grade.

Co-Ed Freshman Physical Education offers students a well-rounded instructional program that incorporates health and skill enhancing physical activities that may include, but not limited to: Wrestling, Gymnastics, Basketball, Volleyball, Flag Football, Ultimate, Tchoukball, Swimming. Cardio-Fitness activities: Spin, Interval Training, Track, Cardio Games and Strength Training will also be included. A semester unit in Health Education is required for all freshmen. Fitness Testing is required twice a semester.

Health
Course No.: 3507F, 3508S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 9
Other:

One semester of Health education is mandated by the state of Illinois. This course is taken in lieu of one semester of physical education. The structure of the class emphasizes wellness, responsible decision-making and planning for a healthy lifestyle. Topics the students examine include: mental, emotional, and social wellness, prevention education, safety, substance education, nutrition, weight control, sexuality education, stress and stress management.

Integrated Physical Education
Course No.: 3510
Prerequisite: Placement and/or application
Credit: 1.0 / Full Year
Fees: $50.00 for bowling only
Grades: 11, 12
Other: Heart Rate Monitors will be worn as part of their grade.

Integrated Physical Education focuses on enhancing students overall physical fitness levels as well as their motor skills, self-confidence, self-image, friendships, and social skills. Students will participate in a variety of activities that will help build these skills. Activities are sometimes modified to meet the needs of the students in class. Activities include swimming, basketball, badminton, weight training, running, and floor hockey. Bowling will be part of this class in which the class will take a bus to the bowling alley. All students will be required to wear heart rate monitors to track activity fitness data. All students will participate in fitness testing three times a year; this data will be used to measure student progress toward their fitness goals. Integrated Physical Education also encourages students to participate in Special Olympics Illinois. Leaders will mentor the special needs students and assist them where needed in class, and will help create a positive learning environment. Leaders will be required to dress daily and participate fully in every activity. Leaders are required to submit an application to be accepted into the program. Students enrolled in this class will not be permitted to exempt from Physical Education at any time during the year.
Junior Senior Physical Education
Course No.: 3521F, 3522S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees: $50.00 for bowling only
Grades: 11, 12
Other: Heart Rate Monitors will be worn as part of their grade.

Co-Ed Jr/Sr Physical Education All juniors and seniors will have the opportunity to take a physical education course that could include the following activities but not limited to: Badminton, Basketball, Bowling, Field Games, Fitness Concepts, Fitness Testing, Flag Football, Floor Hockey, Pickleball, Self-Awareness, Swimming, Team Handball, Tennis, Ultimate Games, and Volleyball as well as cardio fitness activities.

Lifeguard Training
Course No.: 3531F, 3532S
Prerequisite: Be able to swim 300 yards non-stop, tread water for 2 minutes without using arms, bring a 10 pound brick from the bottom of the pool to the surface then swim with the brick for 20 yards in under 1:40, and perform effective strokes in the front crawl and the breaststroke.
Credit: 0.5 / Semesters 1 and 2
Red Cross/Fees: $85.00
Grades: 10, 11, 12
Other: Students who earn an “A” or “B” may repeat this course for grade and credit. Heart Rate Monitors will be worn as part of their grade.

Lifeguard Training is offered to students who wish to complete the American Red Cross Lifeguard Training / CPR/AED for lifeguards certification. Students enrolled in this class will not be permitted to exempt from physical education at any time during the semester.

Outdoor Adventure Education
Course No.: 3587F, 3588S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 11, 12
Other: Exemptions not permitted.
2 days a week students will dress in their PE uniform to participate in fitness activities. This class will be held outside during all types of weather.

Outdoor Adventure Education allows students to gain knowledge and insight into a variety of challenging outdoor activities. Lifelong skills are acquired through participation in, but not limited to, rock climbing, rappelling, team building initiatives, camping, backpacking, kayaking, and snowshoeing. Students will be required to dress in a PE uniform 2 days a week for fitness activities. Students will be required to keep a journal of their experiences as well as be assessed in the material throughout the semester. As participants in these activities, students will gain self-confidence, learn to build trust, develop effective communication skills, and learn important cooperative behaviors. Students enrolled in this class will not be permitted to exempt from physical education at any time during the semester, or repeat the class.

Sophomore Physical Education
Course No.: 3545F, 3546S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10
Other: Exemptions are not permitted. Heart Rate Monitors will be worn as part of their grade.

Co-Ed Sophomore Physical Education offers a well-rounded instructional program that incorporates health and skill enhancing physical fitness activities. An emphasis on further development of individual and team performances in incorporated. Students will further their development by participating in physical activities that may include, but is not limited to: Individual/Team activities such as Badminton, Basketball, Field Games, Flag Football, Ultimate Games, Soccer, Swimming, Volleyball and Gymnastics. Cardio-Fitness activities will also be included such as: Circuit Training, CrossFit, Aerobic Conditioning, Spin Class, and Strength Training. Fitness Testing is required twice a semester.

Sports Medicine and Athletic Training
Course No.: 3557F
Prerequisite: None

Sports Medicine and Athletic Training is a course designed to instruct students who are interested in medical related careers about injury prevention, immediate emergency care, therapy/treatments and
Credit: 0.5 / Semester 1
Fees:
Grades: 11, 12
Other: This course cannot be repeated or taken in conjunction with Exercise Physiology in the same school year.

**Athletic Training hours must be completed in the presence of a LHS athletic trainer.**

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**Total Body Fitness**
Course No.: 3583F, 3584S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10, 11, 12
Other: Heart Rate Monitors will be worn as part of their grade.

**Weight Training and Conditioning**
Course No.: 3591F, 3592S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 10, 11, 12
Other: Heart Rate Monitors will be worn as part of their grade.

**Yoga Pilates Fitness**
Course No.: 3567F, 3568S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 11, 12
Other: Exemptions not permitted. Students will dress for cardio fitness a minimum of one day a week. All students will do one research project as part of their assessments.

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Total Body Fitness is a daily fitness course open to sophomore, junior, and senior students interested in improving their overall fitness level. Training activities may include, but are not limited to: swimming, spinning, slide/step aerobics, jumping rope, kickboxing, circuit/interval training, endurance training, core stabilization, “Zumba/Piloxing”, “BOSU” training, Pilates, Yoga, fitness trampolines, CrossFit concepts, and the latest fitness trends. These training activities will be used to prepare students for the two required Duathlons first semester and Triathlon second semester. In addition, basic fitness concepts and goal setting strategies will be taught throughout the course in order to improve the student’s understanding of their overall physical fitness and health. Fitness testing, fitness related quizzes, and fitness evaluations will also be a major part of the student’s overall semester grade. Students enrolled in this class will not be permitted to exempt from physical education at any time during the semester.

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Weight Training and Conditioning is offered to sophomore, junior, and senior students who are interested in improving their strength and fitness levels. The course consists of weight training three days per week and cardiovascular workouts/game play two days per week. Individual goals are set and students are frequently tested in a variety of cardiovascular and strength training areas.

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Yoga Pilates Fitness is a semester long class open to all students in grades 11-12 focusing on Yoga and Pilates practice. Students of diverse physical backgrounds will find benefit in this course, and no previous experience in Yoga Pilates practice is necessary. The class will offer an in-depth study of the fundamental principles and techniques of both Yoga and Pilates disciplines. As the semester progresses, opportunities for advanced application of knowledge and skills will be presented. Students will participate in self-assessments and reflections while learning how to safely tailor their practice to meet their individual needs. Class activities will also include weekly cardio days and one research project. Students enrolled in this class will not be permitted to exempt from physical education at any time during the semester, or repeat the class.
PHYSICAL WELFARE DEPARTMENT
Course Sequences

Freshman PE (1 Semester)

Health (1 Semester)

Sophomore PE (1 Semester)

Driver Education (1 Semester)

Crossfit 10 - 12

Lifeguard Training 10 - 12

Total Body Fitness 10 - 12

Weight Training and Conditioning 10 - 12

Dance I 10 - 12

Dance II 10 - 12

Dance III 11 - 12

Junior Senior PE

Exercise Physiology 11-12

Integrated Physical Education 11-12

Sports Medicine and Athletic Training 11-12

Outdoor Adventure Education 11-12

Yoga Pilates Fitness 11-12
SCIENCE

Philosophy Statement
A broad understanding of the living world and the physical laws fundamental to all science is essential in today’s technological society. A quality education includes significant study in the areas of biology, chemistry, earth and space science, and physics. In accordance with state academic standards, the Science department recommends that students take a minimum of one year in Biology or Life Science and one year in a physical science such as Earth Science, Chemistry or Physics during their high school tenure. The science curriculum is designed to give each student as many options for success after high school as possible. The science faculty is committed to the success of each student. Each course is designed to be content rich, activity centered, and student friendly. Varied techniques will ensure that individual learning styles will be addressed. A cooperative classroom atmosphere will create the best possible learning environment. We are committed to showing students the importance, the wonder, and the joy inherent in the study of science.

Science - Course Descriptions

- All Advanced Placement science students earn 0.5 units of credit for semester one and 1.0 units of credit for semester two. Advanced Placement courses may be used to satisfy college science requirements. If prerequisites are met, sophomores may request AP placement through the Science Supervisor.

Advanced Placement Biology
Course No.: 4002
Prerequisite: Biology and Chemistry
Credit: 1.5 / Full Year
Fees:
Grades: 11, 12
Other: This course meets 1.5 periods each day.

Advanced Placement Chemistry
Course No.: 4004
Prerequisite: Algebra II and one year of Chemistry.
Credit: 1.5 / Full Year
Fees:
Grades: 11, 12
Other: This course meets 1.5 periods each day.

Advanced Placement Physics I and II
Course No.: 4074
Prerequisite: Geometry and Algebra II
Credit: 1.5 / Full Year
Fees:
Grades: 11, 12
Other: This course meets 1.5 periods each day.
A grade of "B" or better in Algebra II is recommended as algebra is an integral component of this course.

Advanced Placement Physics I and II provides a systematic introduction to the principles and applications of both classical and modern physics. Fundamental concepts of kinematics, dynamics, thermodynamics, fluids, electricity, magnetism, optics, and quantum and nuclear physics are developed through lectures, demonstrations, laboratory, and computer experience. Computer work outside of class is required.

Advanced Placement Biology assumes students are familiar with basic biological concepts. It is designed to be the equivalent of a first year college introductory biology course usually taken by biology majors. The two main goals are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The unifying themes of interdependence in nature, structure and function, evolution, energy, and regulation integrate the major topics of biology. Application of biological knowledge and critical thinking related to environmental and social concerns are also stressed. Teaching methods include lecture, discussion, outside reading, group projects, and laboratory experiences.

Advanced Placement Chemistry provides an in-depth and quantitative study of molecular structure, chemical reactions, stoichiometry, thermochemistry, behavior of gases, equilibrium, chemical kinetics, thermodynamics, redox chemistry, and electrochemical systems. Topics are developed through lecture, laboratory, demonstrations and computer problem sets.
**Advanced Placement Physics C**
Course No.: 4010
Prerequisite: Physics or AP Physics I and II and Calculus AB or BC (which may be taken concurrently).
Credit: 1.5 / Full Year
Fees:
Grades: 12
Other: This course meets 1.5 periods each day.

**Advanced Placement Physics C** provides a foundation in physics for students entering the fields of engineering, medicine, mathematics, physics, and chemistry. The basics of mechanics, electricity, and magnetism are developed through lectures, demonstrations, and laboratory and computer experiences. Quantitative relationships are developed using the basic concepts of differential and integral calculus. Computer work outside of class is required.

**Biology**
Course No.: 4020
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other:

This is the first Biology course taken by college bound students. Important themes stressed are energy flow through the biosphere, essential biological processes, evolution, and genetic continuity. Individual projects, laboratory activities, cooperative learning groups, lecture/discussion, and library research are all utilized to give each student the essential scientific background and skills for future success.

**Biology Honors**
Course No.: 4022
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other:

**Biology Honors** is a course that takes a molecular and scientific inquiry approach to facilitate the understanding of the fundamental concepts and processes of biology. Topics covered are based on five themes: science as a process, interdependence in nature, relationship of structure and function, energy transfer, and evolution. In comparison to Biology, this curriculum is taught at an accelerated pace and in greater depth. Emphasis is on group projects, outside readings and laboratory work.

**Chemistry**
Course No.: 4026
Prerequisite: Algebra (placement for grade 10)
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: Completion or concurrent enrollment in Algebra II is recommended.

**Chemistry** is a laboratory course which considers the nature and composition of matter, the laws which describe its behavior, and the theories which explain and account for these observations. Topics include: fundamentals of scientific investigation, atomic theory, bonding and intermolecular forces, stoichiometry, thermodynamics, kinetics, and equilibrium. Concepts are approached from both qualitative and quantitative perspectives, so the course is appropriate for students who have shown mastery in Algebra.

**Chemistry Honors**
Course No.: 4028
Prerequisite: Algebra (placement for grade 10)
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: Completion or concurrent enrollment in Algebra II is recommended.

**Honors Chemistry** is a laboratory course which moves at a faster pace and addresses more mathematical concepts than chemistry. The additional concepts and mathematical rigor make this course appropriate for students who have excelled in Algebra. The course considers the nature and composition of matter, the laws which describe its behavior, and the theories which explain and account for these observations. Topics include: fundamentals of scientific investigation, atomic theory and electron configuration, bonding and intermolecular forces, molecular geometry, stoichiometry, thermodynamics, kinetics, and equilibrium.

**Conceptual Biology**
Course No.: 4024
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other:

**Conceptual Biology** is a lab science course dealing with the important themes of biology. The course centers around four areas of study: ecology, survey of living organisms, human physiology, and genetics. Materials are presented, using a hands-on approach, to accommodate a wide range of reading and analytical abilities.
Earth Science
Course No.: 4030
Prerequisite: None
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other:

Earth Science
is a college preparatory, lab-oriented course that is commonly taught during the second year of a four-year science program option including Biology, Earth Science, Chemistry and Physics. This course involves major units in astronomy, geology, meteorology, and physical geography. Emphasis is placed on the study of natural cycles in each of the above areas and the relationships between them.

Earth Science Honors
Course No.: 4032
Prerequisite: Algebra
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: Students have the opportunity to enroll in and receive credit for ESC120 at the College of Lake County.

Earth Science Honors
is a laboratory-oriented course covering the same basic topics as Earth Science with more in-depth exploration of astronomy, geology, and meteorology. In addition, topics are covered in greater detail supported by other science disciplines. Individual projects, reports, and outside readings will also be required. Emphasis is placed on each area’s impact on modern society.

Human Genetics
Course No.: 4037F, 4038S
Prerequisite: One year of Biology
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 11, 12
Other:

Human Genetics
is a lab science course designed for students interested in learning about recent developments in human genetics and the possible bioethical implications of new technologies. Areas of genetic research studied include DNA/RNA, chromosomal abnormalities, genetic birth defects, hereditary diseases, genetic engineering, cloning and genetic counseling. Students with average or better success in Biology should consider Human Genetics as a beneficial option.

Human Physiology I
Course No.: 4041F, 4042S
Prerequisite: One year of Biology
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 11, 12
Other:

Human Physiology I
is a lab science course that deals with the functional activities of the human as a whole, as well as the individual parts of the body. Included is the study of the different human organ systems such as skin, muscular, skeletal and nervous. Special emphasis is placed on the recent developments in physiology and the many feedback mechanisms that operate in the body. Human Physiology I is recommended for students who desire an extra semester of science and for those interested in medical careers or a better understanding of their bodies.

Human Physiology II
Course No.: 4043F, 4044S
Prerequisite: Human Physiology I
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 11, 12
Other:

Human Physiology II
is a lab science course that builds on the concepts and processes learned in Human Physiology I by exploring additional body systems not covered in Human Physiology I. Body systems covered in this course will include: special senses, endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive.

Physical Science
Course No.: 4064
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other:

Physical Science
is a lab science course designed to give students an introduction to principles of chemistry, physics, and earth science. A hands-on approach is followed to allow students to improve lab techniques and problem solving skills, as well as prepare them for future science classes.
Physics
Course No.: 4070
Prerequisite: Algebra and Geometry
Credit: 1.0 / Full Year
Fees:
Grades: 11, 12
Other: A grade of “B” or better in Algebra is recommended because algebra is an integral part of the Physics course.

Physics provides an introduction to the basic principles of classical physics. The concepts of force, motion, energy, electricity, magnetism, sound, and light are developed through lectures, demonstrations, and laboratory experiences. Students develop an understanding of the methods and applications of physics.

Science Department
Course Sequences

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<td>Physics</td>
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<td><strong>Physical Science</strong></td>
<td>EarthScience</td>
<td>AP Biology</td>
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<td><strong>Earth Science Honors</strong></td>
<td>Physics</td>
<td>AP Chemistry</td>
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<td>* Human Physiology II</td>
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* Semester Course
** Departmental placement/recommendation

All AP Science courses meet 1.5 periods per day for 1.5 credits

Bold courses represent a typical four year course sequence
**SOCIAL STUDIES**

**Philosophy Statement**

The Social Studies Department is committed to educating students to become discerning, intelligent, and compassionate citizens in our democracy. It is also entrusted with the responsibility of fostering an awareness and appreciation of the people and cultures of the world.

**Social Studies - Course Descriptions**

<table>
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<tr>
<th>Course Name</th>
<th>Course No.</th>
<th>Prerequisite</th>
<th>Credit</th>
<th>Fees</th>
<th>Grades</th>
<th>Other</th>
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<td>Advanced Placement Government</td>
<td>4203F, 4204S</td>
<td>None</td>
<td>0.5 / Semesters 1 and 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Placement Human Geography</td>
<td>4224</td>
<td>None</td>
<td>1.0 Full Year</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Placement Macroeconomics</td>
<td>4205F, 4206S</td>
<td>None</td>
<td>0.5 / Semesters 1 and 2</td>
<td></td>
<td></td>
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<tr>
<td><strong>Advanced Placement European History</strong></td>
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<td><strong>has been structured to provide a college level survey of European History and to prepare students for the Advanced Placement exam. The course is a chronological approach (1450 to the present) of the subject that focuses on various European historical themes, some of which include political/diplomatic events, intellectual development, cultural evolution and economic and social trends. Significant writing and research will be an integral part of the course work. In addition, during the summer prior to the beginning of the course, each student is required to read an assigned book.</strong></td>
</tr>
<tr>
<td><strong>Advanced Placement Government</strong></td>
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<td></td>
<td><strong>has been structured to provide a college survey of the fundamentals of the United States Constitution, the evolutionary development of the political process, and the rights and responsibilities of United States citizenship. This course will prepare students for the Advanced Placement exam. Significant reading, writing, and research will be an integral part of the course work. In addition, during the summer prior to the beginning of the course, each student is required to read an assigned book.</strong></td>
</tr>
<tr>
<td><strong>Advanced Placement Human Geography</strong></td>
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<td></td>
<td><strong>is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students will employ spatial concepts and landscape analysis to examine the socioeconomic organization of the planet and the environmental consequences this has caused. They also learn about the methods and tools geographers use in their research and applications.</strong></td>
</tr>
<tr>
<td><strong>Advanced Placement Macroeconomics</strong></td>
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<td></td>
<td><strong>has been structured to provide a college level survey of Macroeconomics and to prepare students for the Advanced Placement exam. The purpose of this course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. It places particular emphasis on the study of national income and price determination, and also develops students’ familiarity with economic performance measures, economic growth, and international economics. Significant reading, writing, and research will be an integral part of the course work. In addition, during the summer prior to the beginning of the course, each student is required to read an assigned book.</strong></td>
</tr>
</tbody>
</table>
**Advanced Placement Psychology**
Course No.: 4211F, 4212S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 12
Other:

**Advanced Placement United States History**
Course No.: 4208
Prerequisite: None
Credit: 1.0 / Full Year
Fees:
Grades: 11, 12
Other:

**Advanced Placement World History**
Course No.: 4270
Prerequisite: None
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10
Other:

**Current Issues**
Course No.: 4210S
Prerequisite: None
Credit: 0.5 / Semester 2 only
Fees:
Grades: 10, 11, 12
Other:

**English Language Learner United States History**
Course No.: 4220
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 11, 12
Other:

**Advanced Placement Psychology** is an in-depth survey course of this discipline. The 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. Students also learn about the ethics and methods psychologists use in their science and practice. It includes physiological psychology, child and adolescent development, abnormal psychology, perception, elements of social psychology, and other psychological topics of interest. In addition, during the summer prior to the beginning of the course, each student is required to read an assigned book.

**Advanced Placement United States History** has been structured to provide a college level survey of United States history and to prepare students for the Advanced Placement exam. The course is a lecture-based, chronological approach to the subject. Significant writing and research will be an integral part of the course work. In addition, during the summer prior to the beginning of the course, each student is required to read a collection of articles that gives an in-depth analysis of a topic as well as an introduction to history methodology. In the fall, several early discussions and assignments will be based on these articles. (The articles will be distributed in via Social Studies classes during the previous May. Students in need of the readings should inquire in the Social Studies office, or contact the Dept. Supervisor.)

**Advanced Placement World History** focuses on developing students’ abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions.

**Current Issues** provides an opportunity to study and analyze a wide variety of vital present-day world topics. Emphasis is placed on oral presentations, classroom discussions, and written research assignments. Instruction includes the use of the library, Internet, and research materials.

**ELL United States History** is a course for identified ELL students. It is a broad survey of the major social, economic and cultural events, concepts and themes that have been the forces in the development of the United States. This standard United States History course is modified to meet the needs of students unfamiliar with the basic factual, cultural and conceptual elements of United States history and government.
**Geography**  
Course No.: 4226  
Prerequisite: Placement for grade 9; none for grade 10  
Credit: 1.0 / Full Year  
Fees:  
Grades: 9, 10  
Other:  

**Geography Honors**  
Course No.: 4228  
Prerequisite: Placement for grade 9; none for grade 10  
Credit: 1.0 / Full Year  
Fees:  
Grades: 9, 10  
Other:  

**Government**  
Course No.: 4231F, 4232S  
Prerequisite: None  
Credit: 0.5 / Semesters 1 and 2  
Fees:  
Grades: 12  
Other:  

**International Studies**  
Course No.: 4241F  
Prerequisite: None  
Credit: 0.5 / Semester 1 only  
Fees:  
Grades: 10, 11, 12  
Other:  

**Law**  
Course No.: 4245F, 4246S  
Prerequisite: None  
Credit: 0.5 / Semesters 1 and 2  
Fees:  
Grades: 11, 12  
Other:  

**Geography** is an introduction to the study of people of the world and their ways of life. The introductory unit emphasizes map and globe use and reading including place location and the interpretation of geographical data. Political and economic systems, climate and vegetation patterns, physical regions and other man-land topics are studied. With this background, the remainder of the course is devoted to the study of the various culture regions of the world. A mapping/writing research project is required each semester.

**Geography Honors** is an advanced introduction to the study of the people of the world and their ways of life. The introductory unit emphasizes map and globe use and reading including place location and the interpretation of geographical data. Political and economic systems, climate and vegetation patterns, physical regions and other man-land topics are studied. With this background, the course is devoted to the study of the nations of the world. Detailed examinations of topics related to cultural geography are studied throughout the course. A research project is required each semester.

**Government** includes the fundamentals of the United States Constitution, state and local government, the evolutionary development of the political process, and the rights and responsibilities of United States citizenship. This is the standard course into which most students will be enrolled.

**International Studies** is a survey of the non-western world including Africa, Asia, Latin America and the Middle East. Culture, social and economic organization, ethics and belief systems are examined. World events and class interest will impact course studies. A research paper is assigned.

**Law** While watching reruns of “Law and Order,” haven’t you wondered what the difference is between manslaughter and murder? What are your constitutional rights if you’re pulled over? What if you slip on a banana peel in a grocery store and sprain an ankle? And you finally save up enough money to purchase your new smartphone, only to have it malfunction two weeks later. What can you do as a consumer? Law class will answer these, and many more intriguing questions. Students will also participate in two mock trials, making the Law experience come to life. The curriculum contains practical Law concepts that will help students in everyday interactions.
Psychology
Course No.: 4251F, 4252S
Prerequisite: None
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 12
Other:

Psychology is a basic survey course of this discipline. It includes physiological psychology, child and adolescent development, abnormal psychology, perception, elements of social psychology, and other psychological topics of interest.

Sociology
Course No.: 4257F
Prerequisite: None
Credit: 0.5 / Semester 1 only
Fees:
Grades: 11, 12
Other:

Sociology is the study of the effects of the environment on human behavior. Possible areas of study include, but are not limited to culture, social structure, socialization, sex roles, social interaction, organizations and bureaucracy, social deviance, stratification, ethnic relationships, institutions, and contemporary issues.

United States History
Course No.: 4262
Prerequisite: None
Credit: 1.0 / Full Year
Fees:
Grades: 11, 12
Other:

United States History is a broad survey of the major social, economic, political, and cultural events, concepts, and themes that have been the forces in the development of the United States. This is the standard course into which most students will be enrolled. Research work is required each semester.

United States History Honors
Course No.: 4264
Prerequisite: None
Credit: 1.0 / Full Year
Fees:
Grades: 11, 12
Other:

United States History Honors is a broad survey of the major social, economic, political, and cultural events, concepts, and themes that have been forces in the development of the United States. This course emphasizes the use of primary resources, more individual writing assignments, and greater in-depth analysis of the issues and concepts such as revolution, economics, nationalism, sectionalism, imperialism, democracy and activism. Research work and writing are assigned each semester. This course is intended for the high ability student. The Advanced Placement American History exam is available.

World History
Course No.: 4272
Prerequisite: None
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10
Other:

World History examines the major trends in history, economics, and culture from a global perspective. Contemporary issues are included to show relationships between the past and present. This course is suggested for the student seeking to understand the dynamics of the world’s future. Students will learn to analyze, evaluate and interpret historical events and trends. Research work and writing are assigned each semester.

World History Honors
Course No.: 4274
Prerequisite: Placement for grade 9; none for grade 10
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10
Other:

World History Honors examines the major trends in history, economics, literature, art, and culture from a global perspective. Contemporary issues are included to show relationships between the past and present. This course is suggested for the student seeking a deeper understanding of the dynamics of the world’s future. More individual writing, outside resources and in-depth analysis of topics are emphasized. Students will learn to analyze, evaluate and interpret historical events and trends. Research work and writing are assigned each semester.
**SPECIAL SERVICES**

**Philosophy Statement**

The Special Services Department is committed to providing a supportive environment in which students with special educational needs can develop intellectual, academic, physical, emotional, social and civic life skills. The department strives to assist each student in accessing a variety of learning opportunities provided by the high school. The Special Services program supports each student’s effort to become a self-aware, self-directed, self-advocating learner.

Special services courses provide specialized instruction and support to eligible students. A team of school professionals determines a student’s eligibility for special education according to the guidelines of the Illinois State Board of Education. The identification, placement and provision of special education services are governed by federal and state regulations and are provided with the input of the professional staff, the student and the parents.

Courses are designed to meet individual learner needs and address any exceptional characteristic that interferes with learning. Each eligible student has a written Individual Education Plan (IEP) that specifies annual goals, benchmarks and related services. The Special Services Program is led by the Director of Special Services for Community High School District 128. The Special Services Supervisor coordinates the programs within the high school building. Student needs are met by professional instructors and paraprofessional teacher assistants.

Courses listed in this department will be offered on a need basis and may not be available every year.

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**ENGLISH**

**American Literature**
Course No.: 4542L, 4642T  
Prerequisite: Placement  
Credit: 1.0 / Full Year  
Fees:  
Grades: 11  
Other: Writing Intensive

**American Literature** encourages students to explore prominent themes of American culture through the reading of texts of all genres and historic periods. This course embodies an integrated, inquiry-based approach to reading, writing, speaking, and research, with critical thinking underpinning all of these strands. American Literature fulfills the third year English requirement for graduation.

**English Language Arts IV**
Course No.: 4544L, 4644T  
Prerequisite: Placement  
Credit: 1.0 / Full Year  
Fees:  
Grades: 12  
Other: Writing Intensive

**English Language Arts IV** blends reading of literature and non-fiction materials with written composition. Students will continue to improve reading, writing, speaking, research, and critical thinking skills through reading and comparing selected literature and non-fictional materials. Emphasis is placed on oral presentations, classroom discussions and written assignments. Instruction includes the use of the library, Internet, and research materials. English Language Arts IV fulfills the fourth year English requirement for graduation.
Freshman Literature and Composition
Course No.: 4546L, 4646T
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9
Other: Writing Intensive

Freshman Literature and Composition is structured to improve listening, reading, speaking, research and writing skills with critical thinking underpinning all of these strands. Students will practice literary interpretation through a variety of critical lenses. There is an emphasis on organizing thoughts; sentence, paragraph and essay structure; and proof reading, vocabulary, grammar and writing mechanics. This course fulfills the Freshman Literature and Composition requirement for graduation.

Literacy
Course No.: 4850L
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: Students may choose to continue their development of reading skills by re-enrolling for grade and credit.

Literacy provides small group and individualized instruction to improve the student’s reading level. The program is designed to remediate reading skills and improve the reading levels of students who are reading below grade level. This course is individually structured to improve the student’s ability to phonetically read the written word, improve silent reading fluency, use comprehension strategies effectively, and improve vocabulary.

World Literature and Composition
Course No.: 4548L, 4648T
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 10
Other: Writing Intensive

World Literature and Composition is structured to continue to improve listening, reading, speaking, research, writing and critical thinking skills through the reading of texts from around the globe. Using an integrated approach continued emphasis will be placed organizing thoughts; sentence, paragraph and essay structure; and proof reading, vocabulary, grammar and writing mechanics. Students will practice literary interpretation through a variety of critical lenses. World Literature fulfills the second year English requirement and a requirement for graduation.

FAMILY AND CONSUMER SCIENCES

Consumer Education
Course No.: 4622TS, 4622LS
Prerequisite: Placement
Credit: 0.5 / Semester 2 only
Fees:
Grades: 12
Other: In special circumstances, grade 11 students may be allowed to enroll in this course, with staff approval and space permitting.

Consumer Education provides students with the basic principles necessary to make wise economic decisions that will benefit their personal and professional lives. The major areas of study will focus on checking accounts and online banking, budgeting, using credit, advertising, car and home buying, insurance, renting an apartment, comparison shopping, and good financial management.
HEALTH

Health
Course No.: 4534LS
Prerequisite: Placement
Credit: 0.5
Fees:
Grades: 9, 10
Other:

Health is a one semester course that students take in lieu of physical education. The structure of the class emphasizes wellness, responsible decision-making and planning for a healthy lifestyle. Topics the students examine include: mental, emotional, and social wellness, prevention education, safety, substance education, nutrition, weight control, sexuality education, stress and stress management.

MATHEMATICS

Algebra I
Course No.: 4602T
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: A TI-84+ graphing calculator is required.

Algebra I topics include properties of real numbers, linear equations and inequalities and their graphs, solving equations, systems of linear equations, algebraic expressions, quadratic equations, functions, operations with polynomials and radicals, properties of exponents, factoring, general problem solving, critical thinking, and elementary probability and statistics concepts.

Algebra I Two Period Option
Course No.: 4610T
Prerequisite: Placement
Credit: 2.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: Meets 2 consecutive periods each day. A TI-84+ graphing calculator is required.

Algebra I Two Period Option is designed and paced in a way to help students both learn and retain algebraic concepts. Topics include properties of real numbers, linear equations and inequalities and their graphs, solving equations, systems of linear equations, algebraic expressions, quadratic equations, functions, operations with polynomials and radicals, properties of exponents, factoring, general problem solving, critical thinking, and elementary probability and statistics concepts. This course fulfills the Algebra I component of Illinois’ math graduation requirement.

Applied Mathematics
Course No.: 4552L, 4612T
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other:

Applied Mathematics are designed to reinforce general math skills, extend these skills to include some pre-algebra and algebra topics, and use these skills in a variety of practical, consumer, business, and occupational applications. Course topics typically include rational numbers, measurement, basic statistics, ratio and proportion, basic geometry, formulas, and simple equations.

Informal Geometry
Course No.: 4620T
Prerequisite: Algebra I or Placement
Credit: 1.0 / Full Year
Fees:
Grades: 10, 11, 12
Other: A TI-84+ graphing calculator is required.

Informal Geometry is similar to Geometry with the difference being a lighter emphasis on formal proofs. Informal Geometry will study shapes and sizes and their uses in real life. Students will study area, volume, congruency, similarity, special right triangles, and right triangle trigonometry.
Intermediate Algebra II
Course No.: 4624T
Prerequisite: Informal Geometry or Geometry
Credit: 1.0 / Full Year
Fees:
Grades: 11, 12
Other: A TI-84+ graphing calculator is required.

Intermediate Algebra II is an intermediate second year algebra course. Students will study linear and exponential relationships, relations and functions, systems of linear equations and inequalities, matrices, quadratic functions, variation, rational functions, and radical functions. The instruction is designed and paced in a way to help students both learn and retain mathematical concepts while connecting them to the real world.

SCIENCE

Earth and Space Sciences
Course No.: 4566L
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9 or Placement
Other:

Earth and Space Sciences is a lab science course focusing on the Earth and Space Sciences. The introduction to the course enhances students basic science skills (measuring, scientific method, graphing, structure of matter) and is followed by units on Geology, Meteorology, and Astronomy. The course utilizes a hands on approach to foster proper lab technique and critical thinking as well as preparing students for future science classes.

Life Science
Course No.: 4568L
Prerequisite: Earth and Space Sciences or Placement

Life Science is a lab course with a focus on the Life Sciences. The introduction to the course reviews students basic science skills and is followed by units on cellular structure and function, survey of living organisms, ecology, evolution and genetics, and human physiology. The course utilizes a hands on approach to foster proper lab technique and critical thinking as well as preparing students for future science classes.

SOCIAL STUDIES

Contemporary World Issues
Course No.: 4683TF, 4684TS
Prerequisite: Placement
Credit: 0.5 / Semesters 1 and 2
Fees:
Grades: 11, 12
Other:

Contemporary World Issues provides an opportunity to study and analyze a wide variety of vital present day world topics. Emphasis is placed on oral presentations, classroom discussions and written research assignments. Instruction includes the use of the library, Internet, and research materials.

Geography
Course No.: 4580L, 4680T
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other:

Geography is an introduction to the study of the people of the world and their ways of life. The introductory unit emphasizes the practical use of maps and globes and reading, including place locations, and geographical data. The remainder of the course is devoted to the study of the various physical and cultural regions of the world. A required research project will be completed each semester.
Government
Course No.: 4583LF, 4685TF
Prerequisite: Placement
Credit: 0.5 / Semester 1 only
Fees:
Grades: 12
Other: In special circumstances, grade 11 students may be allowed to enroll in this course, with staff approval and space permitting.

Government examines the fundamentals of the United States Constitution, State and local governments, the political process, and the rights and responsibilities of United States citizenship. A required research project will be completed.

United States History
Course No.: 4586L, 4686T
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 11, 12
Other: In special circumstances, grade 10 students may be allowed to enroll in this course, with staff approval and space permitting.

United States History is a broad survey of the major social, economic, political and cultural forces in the development and growth of the United States. It is a sequential approach to history from the colonial times to the present. A research project will be required each semester.

TUTORIAL

Tutorial
Course No.: 4490E, 4590L, 4592L, 4690T, 4790R
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: Grades will be issued on a credit/no credit basis. Students supported on an indirect/check-in basis do not receive credit.

Tutorial courses are designed to address individual student IEP needs in academic, functional, social and/or behavioral areas. The course emphasizes the development of self-advocacy and problem solving skills as well as provides academic and homework assistance. Tutorial courses are designed to aid students enrolled in regular education or special education courses.

SPECIAL RESOURCE PROGRAM

The Special Resource Program provides a structured program of instruction and work experiences to meet the needs of students with mild to moderate intellectual disabilities. Students in this program may be guided toward the completion of a high school diploma and preparation for an appropriate post high school option, or entrance into a Transition Program until age 22.

- Courses in this Program will be offered on a need basis, in accordance with students’ Individual Education Plans, and may not be available every year.

Consumer Economics and Life Skills
Course No.: 4702R
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees: $10.00
Grades: 11, 12
Other: Offered every other year.

Consumer Economics and Life Skills provides instruction in the development of interpersonal life skills, personal finances, budgeting, banking, career exploration, employment application completion and interviewing skills. The second semester provides instruction in basic food preparation, nutrition, and the establishment of a healthy living style. Passing this class meets the graduation requirement for Consumer Education.
English Language Arts Laboratory
Course No.: 4740R
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: Writing Intensive

English Language Arts Laboratory is designed to teach the four aspects of language use: functional reading, writing, speaking and listening skills and is built upon each student's prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing. Journalistic writing will be introduced and incorporated into the curriculum. Students will be introduced to various genres of literature with writing exercises linked to reading selections. Specific topics and objectives may vary according to the student's IEP.

Health Skills
Course No.: 4707RF
Prerequisite: Placement
Credit: 0.5 / Semester 1 only
Fees:
Grades: 9, 10, 11, 12

Health Skills provides instruction in mental health and illness, use and abuse of tobacco, alcohol and drugs, nutrition and diet, personal health habits, human sexuality and sexually transmitted disease. This course is taken in lieu of PE for one semester.

Math Skills
Course No.: 4750R
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other:

Math Skills topics include basic computations, money, banking, time, schedule reading, and simple graphing. Specific topics and objectives may vary according to the student's IEP.

U.S. Government Skills
Course No.: 4781RF
Prerequisite: Placement
Credit: 0.5 / Semester 1 only
Fees:
Grades: 9, 10, 11, 12
Other:

U.S. Government Skills examines the fundamentals of the United States Constitution, state and local government, the political process, and the rights and responsibilities of United States citizenship. A required project will be completed.

United States History Skills
Course No.: 4782R
Prerequisite: Placement
Credit: 1.0 / Full Year
Fees:
Grades: 9, 10, 11, 12
Other:

United States History Skills examines the development of the United States. Students will use listening, reading, writing, speaking and research skills in the study of particular time periods from colonial times to the present. A required project will be completed.

World History Skills
Course No.: 4786RS
Prerequisite: Placement
Fees:
Grades: 9, 10, 11, 12
Other:

World History Skills provides an historical overview of the world, emphasizing its relationship to current events and issues. A required research project will be completed.
ADDITIONAL SPECIAL SERVICES COURSES

Community Workplace Experience Program
Course No.: 4722R
Prerequisite: Placement
Credit: 1.0 per semester / Full Year
Fees:
Grades: 11, 12
Other: Students must be at least 16 years old and have a good attendance record.

Students in the Community Workplace Experience Program spend a portion of their school day in a closely supervised community job site. A Job Coach provided by the Special Education District of Lake County, SEDOL, supervises students. Job sites vary and may change during the semester. This work experience concentrates on development of general employability skills, not specific work skills.

Independent Community Work Experience
Course No.: 4724R
Prerequisite: Placement
Credit: 0.5 per semester / Full Year
Fees:
Grades: 11, 12
Other: This course receives academic credit and is counted toward the maximum credits per school year.

Independent Community Work Experience credit will be awarded to Special Services students who are behind in LHS academic credits. Juniors and seniors may apply at the beginning of each semester with their Transition Counselor. To earn credit in this course, students must find their own job, work at least fifteen hours a week for the semester and provide documentation of current employment through paycheck stubs and/or employer contacts.

In School Work Experience
Course No.: 4726R
Prerequisite: Placement
Credit: 0.5 per semester / Full Year
Fees:
Grades: 9, 10, 11, 12
Other: Students must have a good attendance record.

In School Work Experience provides a structured in-school job experience for eligible Special Services students. Students work in school offices or on school related projects in the classroom. Emphasis is on following directions, appropriate social interactions with a variety of adults and peers, and development of pre-employment skills.

Mentoring Training Program
Course No.: 4728R
Prerequisite: Placement
Credit: 1.5 per semester / Full Year
Fees:
Grades: 12
Other: Students must have a good attendance record.

The Mentoring Training Program is on site at either the Veterans Administration Hospital in North Chicago, Great Lakes Naval Hospital in North Chicago or Good Shepherd Hospital in Barrington. The Special Education District of Lake County, SEDOL, supervises this program. Students are placed in a supervised training area to gain job training skills as well as develop general employability skills.