Table of Contents

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plano School District Information</td>
<td>3</td>
</tr>
<tr>
<td>Introduction</td>
<td>4</td>
</tr>
<tr>
<td>Schedule Changes</td>
<td>4</td>
</tr>
<tr>
<td>Grades</td>
<td>4</td>
</tr>
<tr>
<td>Honor Roll</td>
<td>5</td>
</tr>
<tr>
<td>District Grading Scale</td>
<td>5</td>
</tr>
<tr>
<td>Grade Point Average &amp; Class Rank</td>
<td>5</td>
</tr>
<tr>
<td>Weighted Courses</td>
<td>5</td>
</tr>
<tr>
<td>AP Capstone Diploma</td>
<td>6</td>
</tr>
<tr>
<td>STEAM Diploma</td>
<td>6</td>
</tr>
<tr>
<td>STEM Diploma</td>
<td>6</td>
</tr>
<tr>
<td>Graduation Requirements/Transfer Credits</td>
<td>6-7</td>
</tr>
<tr>
<td>Class Status</td>
<td>7</td>
</tr>
<tr>
<td>Transfer Requirements</td>
<td>7</td>
</tr>
<tr>
<td>Request for Transcripts</td>
<td>7</td>
</tr>
<tr>
<td>Extra-Curricular Eligibility</td>
<td>8</td>
</tr>
<tr>
<td>Extra-Curricular Opportunities</td>
<td>8</td>
</tr>
<tr>
<td>Activities and Clubs</td>
<td>8-9</td>
</tr>
<tr>
<td>Physical Examination Requirement</td>
<td>10</td>
</tr>
<tr>
<td>College Credit Articulation Agreement</td>
<td>10</td>
</tr>
<tr>
<td>IVVC Requirements</td>
<td>11</td>
</tr>
</tbody>
</table>

**Courses:**

- AP Capstone Courses               | 11   |
- English Department Flow Chart     | 12   |
- English Courses                  | 12-14 |
<table>
<thead>
<tr>
<th>Department</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL Courses</td>
<td>14</td>
</tr>
<tr>
<td>Math Department Flow Chart</td>
<td>14</td>
</tr>
<tr>
<td>Math Courses</td>
<td>15-16</td>
</tr>
<tr>
<td>Science Department Flow Chart</td>
<td>17</td>
</tr>
<tr>
<td>Science Courses</td>
<td>17-18</td>
</tr>
<tr>
<td>Social Sciences Department Flow Chart</td>
<td>19</td>
</tr>
<tr>
<td>Social Sciences Courses</td>
<td>19-20</td>
</tr>
<tr>
<td>Physical Education-Health-Drivers Ed Courses</td>
<td>20-21</td>
</tr>
<tr>
<td>Fine Arts Department</td>
<td></td>
</tr>
<tr>
<td>Art Courses</td>
<td>21-22</td>
</tr>
<tr>
<td>Foreign Language Flowchart</td>
<td>23</td>
</tr>
<tr>
<td>Foreign Languages Courses</td>
<td>23-24</td>
</tr>
<tr>
<td>Music Courses</td>
<td>24-26</td>
</tr>
<tr>
<td>Theatre Courses</td>
<td>26-27</td>
</tr>
<tr>
<td>Vocational Education and Electives</td>
<td></td>
</tr>
<tr>
<td>Business Computer Department Flow Chart</td>
<td>27</td>
</tr>
<tr>
<td>Business Courses</td>
<td>28-29</td>
</tr>
<tr>
<td>Family Consumer Sciences Courses</td>
<td>30</td>
</tr>
<tr>
<td>Applied Technology Courses</td>
<td>31-32</td>
</tr>
<tr>
<td>Indian Valley Vocational Center (IVVC)</td>
<td>33-36</td>
</tr>
<tr>
<td>Miscellaneous Courses</td>
<td>36</td>
</tr>
</tbody>
</table>
Introduction

This Course Description Guide has been compiled with the cooperation of the faculty of Plano High School and Indian Valley Vocational Center to aid our students in planning their courses of study while in high school. What you learn both inside and outside the classroom and the record you make for yourself will largely determine what you will be able to do with your life. At each stage of your high school career, you should seriously consider your goals and develop a program of study to prepare you for further education in your life’s work.

This guide has been designed to help you, your parents, and your counselor plan a program of study appropriate for you. You, however, must carry the responsibility for this planning. Remember that you, as the student, have the primary responsibility. Use this guide to answer such important questions as:

1. Am I meeting the requirements for graduation?
2. Am I meeting the requirements for entrance to a college or vocation?
3. Am I choosing courses that challenge and interest me?

Registration Procedure

- Use this guide as a reference to the courses of study offered at Plano High School.
- Do preliminary planning within a four-year period, beginning with 9th grade course selection. Review the requirements for graduation to make sure they are included in your four-year plan.
- Meet with the counselor to review the proposed schedule and four-year plan.

Course Selection

When reading the course descriptions contained in this guide, please note that many courses have prerequisite requirements. If a course has a prerequisite, the prerequisite must be successfully completed prior to registering for the course.

The Symbol (**) in front of a course description denotes that the class is new for this year.
Schedule Changes

Students have the opportunity and responsibility to plan a realistic educational program for the following year. Students should study course descriptions, make use of counselor recommendations, and discuss plans with their parents. Parents and students should give serious consideration to this matter before choosing courses because students will be expected to remain in the selected courses. School administrators employ instructors and build a schedule based upon student requests. Once pre-registration has been completed and the master schedule developed, changes in a student’s schedule will be made only if clearly warranted. Reasons for changing a schedule may include:

- Conflict in scheduling, which cannot be resolved
- Attendance or failure to attend summer school
- Clerical error on schedule
- Health reasons
- Change from one level to another based on approval

Even where one of the above circumstances applies, students will only be allowed to make a course change if there is space available. After the first five days of each semester, students are NOT permitted to make a course change.

Grades, Grade Point Average, and Class Rank

Plano High School uses a grading system that reflects the student's cumulative grade average and their percentage earned. This will include a letter grade based on the percentage earned: A = 100 - 90 (superior), B = 89 - 80 (very good), C = 79 - 70 (average), D = 69 - 60 (poor), and F = 59 - 0 (failure) based directly on the student's cumulative grade average and percentage earned throughout the semester. The following course grades will not count towards student GPA: WCC summer school for high school credit, Driver's Education course taken privately, correspondence courses, and FLEX courses.

In order to determine grade point average, letter grades are given numerical equivalents in all courses. Grade point average is then determined by dividing the sum of the numerical grades by the number of credits attempted. Letter grades are given the following numerical values: A = 4 points, B = 3 points, C = 2 points, D = 1 points.

Honors and Advanced Placement (AP) courses are given a higher numerical equivalent. Letter grades are given the following numerical values: A = 5 points, B = 4 points, C = 3 points, D = 2 points. It is important to note that even though a D in an Honors course may be weighted to count the same as a C in a regular course, this D may negatively impact a student on selection decisions at some colleges and universities.

Weighted Courses

<table>
<thead>
<tr>
<th>AP Biology</th>
<th>AP Psychology</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Calculus – AB</td>
<td>AP Spanish Language</td>
</tr>
<tr>
<td>AP Calculus - BC</td>
<td>AP Spanish Literature</td>
</tr>
<tr>
<td>AP Capstone Research</td>
<td>AP Statistics</td>
</tr>
<tr>
<td>AP Capstone Seminar</td>
<td>AP Studio Art</td>
</tr>
<tr>
<td>AP Chemistry</td>
<td>AP U.S. Government &amp; Politics</td>
</tr>
<tr>
<td>AP Computer Science Principles</td>
<td>AP U.S. History</td>
</tr>
<tr>
<td>AP Human Geography</td>
<td>AP World History</td>
</tr>
<tr>
<td>AP Literature and Composition</td>
<td>Accounting II</td>
</tr>
<tr>
<td>AP Language and Composition</td>
<td>Algebra II Honors</td>
</tr>
<tr>
<td>AP Music Theory</td>
<td>Art—2D Studio</td>
</tr>
<tr>
<td>AP Physics</td>
<td>Art—3D Studio</td>
</tr>
</tbody>
</table>
Band Honors  
Biology Honors  
Chemistry Honors  
English I Honors  
English II Honors  
Geometry Honors  
Independent Music Honors  
Mixed Chorus Honors  
Pre-Calculus  
Professional Theatre Arts Studio  
Spanish IV Honors

### AP Capstone Diploma

Students wishing to earn an AP Capstone diploma must do the following (as determined by College Board):

1. 1.0 Credit of AP Capstone Seminar
2. Pass the AP Capstone Seminar Exam with a score of 3 or higher
3. 1.0 Credit of AP Capstone Research
4. Pass the AP Capstone Research Exam with a score of 3 or higher
5. 4.0 Credits of AP coursework, in addition to AP Capstone Seminar and AP Capstone Research
6. Pass at least 4 AP Exams, in addition to the AP Capstone Seminar and AP Capstone Research Exams, with scores of 3 or higher.

This honorary diploma celebrates a student’s dedication to Advanced Placement course work and achievement, beginning with the Class of 2017.

### STEAM Diploma

Students wishing to earn a Science, Technology, Engineering, Arts and Math diploma must do the following:

1. 4.0 Credits of Science (Minimum of 1.0 AP Biology, AP Chemistry)
2. 4.0 Credits of Mathematics (Minimum of 1.0 AP Calculus or AP Statistics)
3. Minimum of 1.0 Technology credit (Business & Technology Department)
4. Minimum of 0.5 Fine Arts credit (Art, Music or Theater)
5. Minimum of 0.5 Industrial Technology credit
6. IVVC credit may take the place of the Industrial Technology credit

This honorary diploma celebrates a student’s dedication to STEM and the Fine Arts, effective for the Classes of 2017-2019.

### STEM Diploma

Students wishing to earn a Science, Technology, Engineering and Math diploma must do the following:

1. 4.0 Credits of Science including at least 1.0 AP Science course
2. 4.0 Credits of Mathematics including at least 1.0 AP Math course
3. 3.0 Credits of Technology including Technology Applications I and II, Computer Programming, and AP Computer Science Principles
4. 1.0 Credit of Introduction to Applied Technology
5. 1.0 Credit of Engineering Design
6. 3.5 or higher cumulative GPA
This honorary diploma celebrates a student’s dedication to STEM; beginning with the Class of 2020, this diploma replaces the STEAM diploma.

### Graduation Requirements

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Credit Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4.00 (4 years)</td>
</tr>
<tr>
<td>Math</td>
<td>3.00 (3 years)</td>
</tr>
<tr>
<td>Science</td>
<td>3.00 (3 years)</td>
</tr>
<tr>
<td>Social Science</td>
<td>3.50 (3.5 years)</td>
</tr>
<tr>
<td>Career and Technical Education</td>
<td>1.50</td>
</tr>
<tr>
<td>Consumer Economics (.5)</td>
<td></td>
</tr>
<tr>
<td>Tech Apps (1.0)</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>4.50</td>
</tr>
<tr>
<td>Physical Education (3.5)</td>
<td></td>
</tr>
<tr>
<td>Drivers Education (.5)</td>
<td></td>
</tr>
<tr>
<td>Health (.5)</td>
<td></td>
</tr>
<tr>
<td>Fine Arts / Foreign Language</td>
<td>2.00 (2 years)</td>
</tr>
<tr>
<td>Electives***</td>
<td>7.50</td>
</tr>
<tr>
<td>TOTAL:</td>
<td>29.00 credits</td>
</tr>
</tbody>
</table>

*** Transfer students will have the number of electives reduced depending on number of possible transfer credits from previous school.

### Transfer Credits

The counselor and principal will apply credit earned in these courses towards graduation requirements provided the courses were pre-approved. Students will be allowed to transfer a total of 2 credits from correspondence classes or summer high school credit classes towards graduation requirements provided an official transcript indicating the grade is submitted to the guidance office. This does not include credits transferred in from other accredited high schools. College level courses at 100 or above taken at Waubonsee Community College will count as .5 credit providing the class is at least 3 semester credit hours.

Each student should check with the counselor annually to make sure that he/she is making satisfactory progress toward meeting graduation requirements.

### Class Status Credit Hours

Sophomore = 7.50  
Junior = 15.00  
Senior = 22.00

### Transfer Requirements

A student who completes the required registration process and wishes to enroll 0-20 days prior to semester/final exams and is:
- under 17 and/or has special needs will NOT receive credit for classes unless the previous institution issues credit
- over 17 and/or has no designated special needs MAY BE DENIED ENROLLMENT until the first day of the next semester

A student who is unable to document attendance in another school for 10 or more days prior to registration/enrollment at Plano High School and is:
- under 17 and/or has special needs may enroll, but MAY NOT receive credit
- over 17 and/or has no designated special needs MAY BE DENIED ENROLLMENT

Request for Transcripts

Students under the age of 18 must have parent signature on the transcript release form found in Student Services or Main Office. Students 18 or over may release the transcript by using their own signature. Transcripts will not be released if a signed form is not on file. Records may be sent to another high school without parent or student permission; however, special education files must have parental consent to be released. Parents and students are able to request a copy for personal review. Transcripts must be official and certified with the school seal to be sent to colleges, places of employment, or other use. Please allow TWO business days for transcript requests to be completed.

Extra-Curricular Eligibility

In order to be eligible to participate in the extracurricular programs at Plano High School, students must not have attained the five-point limit the previous semester (Fs = 2 points and Ds = 1 point). In addition, a student must not attain five points on a weekly basis. It is understood that the student will have earned a cumulative number of credits during his/her time at Plano High School that will enable him/her to graduate on time with his/her class. Points will be assigned as follows based on weekly grades and the final semester grade (F’s = 2 points and D’s = 1 point).

The school will mandate that any athlete that is receiving 4 points or more will attend Mandatory Athletic Study Hall (M.A.S.H.). This study hall will occur every Wednesday and Thursday during our sports seasons. If an athlete does not attend this study hall, then they are not allowed to practice and could face a suspension.

The student/athlete must meet the following number of credits in order to remain eligible:

<table>
<thead>
<tr>
<th>By the beginning of:</th>
<th>Student must have accumulated:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd semester senior year</td>
<td>24 credits</td>
</tr>
<tr>
<td>1st semester senior year</td>
<td>20 credits</td>
</tr>
<tr>
<td>2nd semester junior year</td>
<td>16 credits</td>
</tr>
<tr>
<td>1st semester junior year</td>
<td>12 credits</td>
</tr>
<tr>
<td>2nd semester sophomore year</td>
<td>8 credits</td>
</tr>
</tbody>
</table>

NOTE: Prior to 2nd semester sophomore year, students are required to earn 4 credits (pass 8 classes) each semester in order to remain eligible.

A student may also be ineligible due to unpaid fees. If an athlete is ineligible for a total of three weeks in a sport season, the athlete will be dismissed from the team by the athletic director. See the Athletic Handbook for more information.
Extracurricular Opportunities

<table>
<thead>
<tr>
<th>Activity</th>
<th>Gender(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseball</td>
<td></td>
</tr>
<tr>
<td>Basketball (Boys &amp; Girls)</td>
<td></td>
</tr>
<tr>
<td>Bowling (Boys &amp; Girls)</td>
<td></td>
</tr>
<tr>
<td>Cheerleading</td>
<td></td>
</tr>
<tr>
<td>Cross Country (Boys &amp; Girls)</td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td></td>
</tr>
<tr>
<td>Football</td>
<td></td>
</tr>
<tr>
<td>Golf (Boys &amp; Girls)</td>
<td></td>
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<tr>
<td>Soccer (Boys &amp; Girls)</td>
<td></td>
</tr>
<tr>
<td>Softball</td>
<td></td>
</tr>
<tr>
<td>Track &amp; Field (Boys &amp; Girls)</td>
<td></td>
</tr>
<tr>
<td>Volleyball</td>
<td></td>
</tr>
<tr>
<td>Wrestling</td>
<td></td>
</tr>
</tbody>
</table>

Activities and Clubs

**Anime Club** - Anime Club invites lovers, connoisseurs, and skeptics of the Japanese Anime and Manga to meet in an inclusive and welcoming environment to watch, discuss, and learn more about all things Anime. Club members can expect to engage in viewings of anime shows and movies, friendly debates about anime culture, and playing games and activities all based around Anime themes and Japanese culture. Club meetings are once a week from 2:45 to 3:45 in Ms. Billips room (J223).

**Art Club** – Enables students to experience the luxury of a larger block of time to work on their artwork or on group projects. Anyone can join Art Club. Those with no present art expertise are encouraged to investigate some of the neat things that can be done in the Art Department. See Mrs. Billips for more information.

**Chemistry Club** – Allows students to discover careers and educational opportunities through Chemistry and the various sciences.

**Chess Club** - Students learn the mechanics of chess while having fun. Throughout the season there are various meets against other schools in which we participate. See Mr. Dean for more information.

**Class Officers** – Expected to participate in all class activities and provide positive leadership. These activities include homecoming, fund raising, and class Olympics. In addition, at the junior level, officers will be responsible for helping with concession stands and prom. Senior officers have to make decisions about graduation and related senior activities. Officers will be expected to attend committee meetings.

**Family Focus Youth Development** —This after school program is designed to provide ongoing academic support, preparation for standardized testing and college/career readiness and it open to anyone. Students participate in homework time and activity time. Activities offered throughout the year may include art lessons, photography, cooking, baking, Junior Achievement, Robotics, a campus crawl offered to participants during Spring Break and summer enrichment. All activities are free to participants. Light meals and transportation are provided to program participants throughout the school year.

**Fellowship of Christian Athletes** - Fellowship of Christian Athletes is a student led group that meets monthly to play games, listen to guest speakers, and discuss faith through fellowship. It is open to all students. See Mr. Kunz for more information.

**Future Educators of America** (FEA) – Anyone interested in teaching or coaching as a career should join. Focus is not only on learning to be teachers but show appreciation to staff and work with district staff with students. See Ms. Hltzman for more information.

**Improv Crew** – Improv Crew is open to any student interested in improvisational theatre and comedy. No experience is necessary. Everyone is welcome and you can join in at any point during the year. See Mr. Sturn for more information.
Interact Club - Interact is a branch of the Plano Rotary, and the purpose of the club is to put service above self. The students complete service projects to help individuals and the community. The student’s role is to make their school and community a better place. Through service activities, Interact club members learn the importance of developing leadership skills and personal integrity, demonstrating helpfulness and respect for others, and advancing international understanding and goodwill. Students will also learn to collaborate with a diverse group of students as well as problem solve.

International Thespian Society – Troupe #1535 – students who devote considerable time and effort to the PHS Theatre program will be invited to be members of the International Thespian Society, the world’s largest honor society for theatre students. The designation “Thespian” includes student members who excel in technical and production fields as well as performance in their high school theatre. See Mr. Sturn for more information.

Intramurals – Variety of activities and sports that can be played at a semi-competitive level, to allow for great physical activity and promotion of lifelong activities.

Madrigals – PHS presents an annual Madrigal dinner. Our performance includes student participation as singers, actors, instrumentalists and behind-the-scenes help. Our Madrigal dinner is held in December. Students are selected for participation by audition or by the director. See Ms. Webb for more information.

Modern Media – This club works to create live and archived webcasts for school events and athletic activities. See Mrs. Tyler for more information.

National Honor Society – NHS is based on teacher recommendations for sophomores, juniors, and seniors during the spring of the school year. Students are considered for the society if they have a minimum of a 3.25 GPA. The staff on the basis of service, leadership and character then rates students. NHS spends many hours assisting with various school and community service projects. See Mrs. Chatman for more information.

National Hispanic Institute - NHi is a leading organization that fosters future community leaders for the expanding Latino community throughout the United States and Latin America. NHi creates experiences that engage achieving high school and college age youth in community leadership roles that advance our quality of life. This club is open to all students. Please contact Mrs. Garcia for more information.

PHS Theatre – Students interested in working on plays or musicals should become involved with PHS Theatre. Auditions are held each semester for the Fall and Spring plays, and students may apply for technical crew positions if they are interested in behind-the-scenes work. See Mr. Sturn for more information.

Scholastic Bowl – Scholastic bowl is an academic competition in which students answer questions taken from the following areas: science, math, social studies, literature, fine arts, language arts, and miscellaneous or vocational education.

Science Club -

Snowball – Kendall County Operation Snowball is a 3-day retreat held twice each year. Students from Plano, Oswego, Yorkville, and Newark plan each experience. The emphasis is on peer leadership and the prevention of common problems. The philosophy of snowball is “Together we can make a positive difference.” All students are encouraged to attend, to be part of the planning group, and finally to be a member of the Snowball staff. *This is not affiliated with Plano High School.

Student Council – Student Council representatives are selected on the basis of application, teacher recommendation and class elections. The group organizes all homecoming activities, school blood drives, fundraisers, and other activities, which would assist in improving the overall school climate. See Mrs. Coker or Mrs. Walters for more information.
Talent Show – Come out to demonstrate your talents and skills! The Talent Show takes place in the spring semester after the Spring play. Anyone is welcome to audition; we will hold one rehearsal and one performance. See Mr. Sturn for more information.

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Physical Examination Requirement

Notice to Parents and 8th Grade Students
The Illinois School Code requires all ninth grade students to have a current physical examination dated within one year of entry recorded on the approved State of Illinois Department of Human Services Certificate of Child Health Examination form completed in its entirety. The physical must be signed by a physician, advanced nurse practitioner or physician assistant before it is accepted. In addition, a complete record of immunization dates your child received for an A cellular Tdap, polio, measles, mumps, rubella, varicella and hepatitis B are required. The immunization record must be signed by a healthcare provider who gave or can verify the immunization dates. All documentation should be turned into the school nurse prior to the start of school.

Sports Physicals
Physicals are required for students engaged in sports. The IHSA sports physical, which satisfies the requirement for participating in sports at a high school level, is effective for 365 calendar days. The state mandated physical will satisfy this requirement provided it covers the entire academic school year. **Physicals documented on IHSA forms will not satisfy entrance into 9th grade.** Sports physicals should be turned into the athletic department prior to your child beginning practice.

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College Credit Articulation Agreements

Waubonsee Community College grants college credit when learning experiences at the high school level duplicate those at the college level. Articulated credit enables students to receive advanced course placement, to save time and money, and avoid duplication of curriculum already learned in high school. Students must earn an “A” or “B” in the high school class and apply for credit within two years of graduation. Following is a list of courses at Plano High School for which articulation credit can be earned. See your career/technical instructor or counselor for the “College Credit Articulation Forms.” For more information call the VALEES office at (630) 466-2474 or visit www.VALEES.org.

**PHS Courses**
- Accounting II
- Technology Applications I
- Technology Applications II

**Indian Valley Vocational Center Classes**
- Auto Body Repair I and II
- Automotive Mechanics II
- Construction Technology II
- Computer Technology (Maintenance & Repair) I
- Culinary Arts II
- Drafting and Design I & II
- Early Childhood Development I & II
- Fire Science I & II
- Graphic Design & Digital Tec I & II
- Health Occupations- Exploring
- Health Occupations- CNA
- Law Enforcement I
- Medical Careers
- Welding and Fabrication I & II

**The process for awarding credit includes:**
1) Earn an “A” or “B” in the specified high school course(s).
2) Apply to WCC for articulated credit within two years of the date of high school graduation.
Indian Valley Vocational Center (IVVC) Requirements

A limited number of students are allowed to attend IVVC from Plano High School. Students interested in participating in IVVC are prioritized by the following criteria. Space is limited.

| #1 Senior entering the second year of a two-year program | a) Successfully completed first year same program at IVVC  
b) Returned all necessary paperwork in a timely manner  
c) Not missed more than 12 days junior year (exception: major illness)  
d) Earned credits for graduation at the end of the year  
e) Cannot be an early graduate |
|---|---|
| #2 Senior entering a one-year program | a) Passed the first year of a two-year program  
b) Not missed more than 12 days at IVVC and PHS junior year (exception: major illness)  
c) Earned credits for graduation at the end of the year  
d) Cannot be an early graduate |
| #3 Junior entering the first year of a two-year program | a) Successfully completed related classes at PHS  
b) Not missed more than 12 days sophomore year (exception: major illness)  
c) Earned credits to be a junior |
| #4 Senior entering the first year of a two-year program | b) Successfully completed related classes at PHS  
c) Not missed more than 12 days junior year (exception: major illness)  
d) Earned credits for graduation at end of year  
e) Cannot be an early graduate |
| #5 Senior entering for the second year but changing programs | a) Successfully completed junior year at IVVC  
b) Not missed more than 12 days at IVVC and PHS junior year (exception: major illness)  
c) Earned enough credits to graduate at end of the year  
d) Cannot be an early graduate |

AP Capstone Courses

AP Seminar (22107A000)  
2 Semesters = 1.0 Credit  
Prerequisite: Grade 11 AND selection committee recommendation  
This is a weighted course. The AP Seminar course is an inquiry-based course that focuses on engaging students in cross-curricular discussions designed to explore real-world topics and issues from multiple perspectives. The course provides students with a framework that allows students to
develop, practice, and sharpen their critical and creative-thinking skills as they make connections between issues and their own lives. Through a series of scaffolding units centered around specific themes and the ideas and skills of QUEST, students will work individually and in collaborative teams to analyze the credibility of arguments and critique specific lines of reasoning. Using a variety of sources discussing the same issue, students will develop questions that drive unique student-developed solutions. Students will craft written arguments as well as present their arguments using multi-media tools.

**AP Research (01106A000)**

2 Semesters = 1.0 Credit

Prerequisite: Grade 12 AND successful completion of AP Seminar

This is a weighted course. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

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### English Department Flow Chart

(4 Credits Required)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
</tr>
</thead>
<tbody>
<tr>
<td>English I (H)</td>
<td>English I (H)</td>
<td>English III</td>
<td>English IV</td>
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<td>AP Language and Composition</td>
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<td>AP Literature</td>
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<td>Electives</td>
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<td></td>
<td></td>
<td>Modern Journalism</td>
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<td></td>
<td></td>
<td>Speech Communications</td>
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English electives must be taken concurrently with another English course.

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### English Courses

**AP English Language and Composition (01005A000) (NCAA Approved)**

2 Semesters = 1 credit

Grade 11 or 12

This is a weighted course. Students will read a variety of prose written for different contexts and purposes. The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammar choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Students who enroll in this class are expected to take the AP Language and Composition Exam. *Summer Reading Requirement*

**AP English Literature and Composition (01006A000) (NCAA Approved)**

2 Semesters = 1 credit

Grade 12
This is a weighted course. Students will carefully read and critically analyze imaginative literature. The AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style and themes, as well as much smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Students who enroll in this class are expected to take the AP Literature and Composition Exam. 

English I (01001A000) (NCAA Approved)
2 Semesters = 1 credit
Grade 9
This course includes elements of literature, grammar, composition, and vocabulary. Students will read deeply, write using evidence, and develop the critical-thinking skills needed to be successful in high school, college, and beyond by exploring the “Coming of Age” theme. Reading, writing, speaking and collaborative skills will be developed through reading novels, short stories, memoirs, poetry and viewing film.

English I Honors (01001A000) (NCAA Approved)
2 Semesters = 1 credit
Grade 9
This is a weighted literature-based course. It develops students’ grammar, composition, and vocabulary skills through writing and reading. This course includes elements of literature, grammar, composition, and vocabulary. Students will read deeply, write using evidence, and develop the critical-thinking skills needed to be successful in high school, college, and beyond by exploring the “Coming of Age” theme. Reading, writing, speaking and collaborative skills will be developed through reading a novel, short stories, memoirs, poetry and viewing film. Independent novels will be studied throughout the course. Summer reading assignment may be required.

English II (01002A000) (NCAA Approved)
2 Semesters = 1 credit
Grade 10
This course includes elements of literature, grammar, composition, and vocabulary and focuses on cultural commentary and the makeup of culture and identity. The goals of English II will be accomplished through reading informational texts, essays, novels, plays, and various other types of literature. Students will then create artifacts to demonstrate mastery and skill growth. Students will read deeply, write using evidence, and develop the critical-thinking skills needed to be successful in high school, college, and beyond. Summer reading assignment may be required.

English II Honors (01002A000) (NCAA Approved)
2 Semesters = 1 credit
Grade 10
This weighted course emphasizes advanced critical thinking skills in the analysis of literature and the development of the writer. This course includes elements of literature, grammar, composition, and vocabulary and focuses on cultural commentary and the makeup of culture and identity. The goals of English II will be accomplished through reading informational texts, essays, novels, plays, and various other types of literature. Students will then create artifacts to demonstrate mastery and skill growth. Students will read deeply, write using evidence, and develop the critical-thinking skills needed to be successful in high school, college, and beyond. Summer reading assignment may be required.

English III (01003A000) (NCAA Approved)
2 Semesters = 1 credit
Grade 11
This course presents advanced work in composition and reading. English III focuses on America, the American Dream, and the pursuit of happiness through reading different literature and creating artifacts to develop reading, writing, and speaking and listening skills. Students will read deeply, write using evidence, and develop the critical-thinking skills needed to be successful in high school, college, and beyond.

English IV (01102A000) (NCAA Approved)
2 Semesters = 1 credit
Grade 12
English IV focuses on various perspectives found in fictional and non-fictional works. Through uses of various genres and media, students will explore these perspectives and criticisms. Students will work to create artifacts that show mastery of the skills addressed in each activity. Students will read deeply, write using evidence, and develop the critical-thinking skills needed to be successful in high school, college, and beyond.

**Foundations of English 1, 2, 3, 4 (01001A000, 01002A000, 01003A000, 01004A000)**
2 Semesters = 1 credit  
Grade: 9, 10, 11, 12  
**Prerequisite: IEP Team Recommendation**
This four year English program is designed to support students as they read a variety of texts to identify key ideas, details and structures with the goal of summarizing information and evaluating theme. Students will produce a written product using the standardized writing process. In addition, students will analyze the author’s attitude through various characteristics of tone, analyze various works by identifying the structure of the text, use of rhetoric in an argument and evaluating the effectiveness of the intended argument and finally, interpret and analyze literary and informative texts.

**Resource Lab 1, 2, 3, 4**
2 Semesters = 1 credit  
Grade: 9, 10, 11, 12  
**Prerequisite: IEP Team Recommendation**
This enrichment course focuses on developing reading skills with an emphasis on building vocabulary, literal comprehension, and fluency. In addition, the course explores the elements of short stories, such as plot, setting, and character development. Finally, there is a focus on making and supporting inferences and predictions using details from the story.

**Functional English 1, 2, 3, 4**
2 Semesters = 1 credit  
Grade: 9, 10, 11, 12  
**Prerequisite: IEP Team Recommendation**
This course teaches reading comprehension, writing, vocabulary, and functional activities. Students will participate in class discussions, group work projects, improve their use of technology and will be engaged in hands-on writing manipulatives. Skills learned will be applied in community based activities.

**Functional Comp and Writing 1, 2, 3, 4**
2 Semesters = 1 credit  
Grade: 9, 10, 11, 12  
**Prerequisite: IEP Team Recommendation**
This course teaches reading comprehension, writing, vocabulary, and functional activities. Students will participate in class discussions, group work projects, improve their use of technology and will be engaged in hands-on writing manipulatives. Skills learned will be applied in community based activities.

**Individual English 1**
2 semesters= 1 credit  
Grade 9  
**Prerequisite: IEP recommendation**
This year long special education course is designed to support students as they read a variety of texts to identify key ideas, details, and structures with the goal of summarizing information and evaluating theme. Students will produce a written product using the standardized writing process.

**Individual English II**
2 semesters=1 credit  
Grade 10  
**Prerequisite: IEP Recommendation**
This year-long special education course is designed to support students as they analyze the author’s attitude through various characteristics of tone. Through writing, students construct writing products using materials and sources to formulate a central idea, maintain a coherent focus, and elaborate with relevant research examples.

**Individual English III**
Credits: 2 semesters = 1 credit
Grade: 11
Prerequisite: IEP team Recommendation
This year-long special education course is designed to support students as they analyze the author's attitude through various characteristics of tone. Through writing, students construct writing products using materials and sources to formulate a central idea, maintain a coherent focus, and elaborate with relevant research examples.

**Individual English IV**
Credits: 2 semesters = 1 credit
Grade: 12
Prerequisite: IEP Team Recommendation
This year-long special education course is designed to support students as they interpret and analyze literary and informative texts. They will synthesize information and evidence from diverse media sources to communicate findings in various well-organized and audience-appropriate formats.

**Modern Journalism (11101A000)**
2 Semesters = 1 credit
Grade: 12
This elective class is for students who enjoy all aspects of writing and wish to improve their writing skills and abilities. The course will incorporate many different types of writing, which includes but is not limited to: social media posting, website postings, broadcast journalism, and newspaper articles. While still including reading, the course will develop those skills, which are necessary for the writing process. These skills will focus heavily on creative development, use of literary elements, writing structure, and revision. Students who take this course will be required to submit work for publication, and they will support the Modern Media Club.

**Reading, Writing and Comprehension Skill Building Lab (01009A000)**
1 Semester = 0.5 elective credit, 2 Semesters = 1.0 elective credit
Grade: 9, 10, 11 and 12
This class will be run concurrently with English I, II, III, or IV based on teacher and/or IEP team recommendation. Students will continue to work on acquiring and improving their reading, writing, and comprehension skills, using research-based intervention programs with regular progress monitoring. This class will count as an elective credit, either 0.5 or 1.0 credit, based on teacher, Guidance Counselor or Case Manager/Special Education team recommendations.

**Speech Communications (011554000) (NCAA Approved)**
1 Semester = 0.5 credit
Grade: 12
In this elective course, the student will be able to respond thoughtfully to diverse perspectives, synthesize comments, claims, and evidence made on all sides of the issue; evaluate speaker’s point of view, reasoning and use of evidence and rhetoric, assessing the stance, premises, links among ideas, word choice, points of emphasis, and tone used; present information, findings supporting evidence, conveying a clear and distinct perspective; adapt a speech to a variety of context and tasks; present the following speeches: personal anecdote, mock awards acceptance speech, informative speech, persuasive speech, impromptu speech, debate.

**English as Second Language (ESL)**

**ESL Emerging (WAPT <= 2.9 Literacy) (01008A000) Open to 9-10-11-12**
1 Year = 1 Credit
Prerequisite: Placement in ESL Emerging through language screening.
This year-long course is for high school students with limited English proficiency and is intended to expand vocabulary, grammar, speaking, listening, reading, and writing skills. Students learn beginning reading and speaking skills through intensive vocabulary instruction, the application of reading strategies and critical thinking within structured discussion. Writing instruction reinforces critical thinking and also targets grammar, mechanics, sentence structure and paragraph development. This course is not approved as an NCAA course.

**ESL Intermediate (WAPT 3.0-3.9 Literacy) (01008A000) Open to 9-10-11-12**

1 year = 1 Credit

Prerequisite: Placement in ESL Intermediate through screening, teacher recommendation, or the successful completion of ESL Emerging. This year-long course is for students ready to further develop their English proficiency and is intended to expand vocabulary, grammar, speaking, listening, reading, and writing skills. Students study vocabulary related to academic core content, apply reading strategies to increasingly complex texts, continue to practice critical thinking within structured discussion, and begin to adhere to standard writing conventions. This course is not approved as an NCAA course.

**ESL Advanced (WAPT 4.0-5.0 Literacy) (01008A000) Open to 9-10-11-12**

1 year = 1 Credit

Prerequisite: placement in ESL Advanced through screening, teacher recommendation, or the successful completion of ESL Intermediate. This year-long course is for students who are expanding their knowledge of English, expanding vocabulary, grammar, speaking, listening, reading, and writing skills. Students study vocabulary highly specific to academic core content, apply reading strategies to complex texts, expand critical thinking skills through discussion, and adhere to standard writing conventions. This course is not approved as an NCAA course.

**English I (01001A000) (ENG103E)**

1 year = 1 Credit

This course corresponds to the skills and content taught in English 9-10 and is designed to develop the reading, writing, and oral presentation skills required for success in the mainstream classroom in all subjects and in a post secondary education setting. Students will be encouraged to further develop independence in reading literary works and academic texts, in writing essays and narratives, and applying learning strategies and research skills in preparation for the rigor of college. Students will be required to respond critically to print and media works. This course is not approved as an NCAA course.

**English II (01002A000) (ENG203E)**

1 year = 1 Credit

This course corresponds to the skills and content taught in English 9-10 and is designed to develop the reading, writing, and oral presentation skills required for success in the mainstream classroom in all subjects and in a post secondary education setting. Students will be encouraged to further develop independence in reading literary works and academic texts, in writing essays and narratives, and applying learning strategies and research skills in preparation for the rigor of college. Students will be required to respond critically to print and media works. This course is not approved as an NCAA course.

**English III (01003A000) (ENG303E)**

1 Year = 1 Credit

This course corresponds to the skills and content taught in English 11-12 and is designed to develop the reading, writing, and oral presentation skills required for success in the mainstream classroom in all subjects and in a college setting. Students will be encouraged to further develop independence in reading literary works and academic texts, in writing essays and narratives, and applying learning strategies and research skills in preparation for the rigor of college. Students will be required to respond critically to print and media works. This course is not approved as an NCAA course.

**English IV (01102A000) (ENG423E)**

1 Year = 1 Credit
This course corresponds to the skills and content taught in English 11-12 and is designed to develop the reading, writing, and oral presentation skills required for success in the mainstream classroom in all subjects and in a post secondary education setting. Students will be encouraged to further develop independence in reading literary works and academic texts, in writing essays and narratives, and applying learning strategies and research skills in preparation for the rigor of college. Students will be required to respond critically to print and media works. This course is not approved as an NCAA course.

**Human Geography (04049A000) (HIS112E)**
1 Year = 1 credit
This course correlates to the skills and content taught in Human Geography and introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and application. Emphasis will be placed on developing reading, writing, and communication skills required for success in the mainstream classroom in all subject areas and in the post secondary setting. This course is not approved as an NCAA course.

**World History (04049A000) (HIS210E)**
1 Year = 1 credit
This course correlates to the skills and content taught in World History and begins with the origins of human life before written history and proceeds to the fall of the Roman Empire. Important topics will include early civilizations, first empires, influence of Greece and Rome in our society, and the spread of Christianity. Students will be introduced to map/chart reading, political systems, and governments. This class focuses on the period from the Middle Ages until recent world history, including the Cold War and terrorism. We will also discuss the early inhabitants at the Americas, Exploration, French and Russian Revolutions, Industrial Revolution, Imperialism, and the World Wars. Students will be introduced to map/chart reading and political systems and governments. Emphasis will be placed on developing reading, writing, and communication skills required for success in the mainstream classroom in all subject areas and in the post secondary setting. This course is not approved as an NCAA course.

**U.S. History (04101A000) (HIS300E)**
1 year = 1 credit
This course correlates to the skills and content taught in U.S. History and covers the colonization through World War II. Students will work collaboratively to complete numerous activities and group projects. Students will be required to write a detailed research paper. Emphasis will be placed on developing reading, writing, and communication skills required for success in the mainstream classroom in all subject areas and in the post secondary setting. U.S. History or U.S. History Bridge is required to graduate. This course is not approved as an NCAA course.

**Biology (03051A000) (SCI204E)**
1 Year = 1 credit
This course correlates to the skills and content taught in Biology include scientific method, cells, molecular organization of life, cellular division, genetics, DNA replication, protein synthesis, classification of organisms and ecology. Emphasis will be placed on developing reading, writing, and communication skills required for success in the mainstream classroom in all subject areas and in the post secondary setting. This course is not approved as an NCAA course.

**Chemistry (03101A000) (SCI209E)**
1 Year = 1 credit
This course correlates to the skills and content taught in Chemistry, an introductory course in chemical concepts including scientific method and measurement, basic chemical principles, language of chemistry, knowledge of chemical reactions and change of state, as well as mathematical concepts that apply throughout the course. Emphasis will be placed on developing reading, writing, and communication skills required for success in
the mainstream classroom in all subject areas and in the post secondary setting. This course will provide a foundation for college chemistry coursework and other related courses. Students need a scientific calculator. This course is not approved as an NCAA course.

Physics (03151A000) (SCI300E)
1 Year = 1 credit
Prerequisite: successful completion of or concurrent enrollment in Algebra II or Algebra II Honors
This course mirrors the skills and content taught in Physics and focuses on the study of matter and energy through hands-on laboratory activities and lecture. This course offers an overview of the scientific method, mechanics, heat, sound, light, electricity and magnetism. Trigonometry principles will be used in this class. Emphasis will be placed on developing reading, writing, and communication skills required for success in the mainstream classroom in all subject areas and in the post secondary setting. Students need a scientific calculator. This course is not approved as an NCAA course.

Math Department Flow Chart (3 Credits Required; 4 Credits Recommended)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
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</tr>
</thead>
<tbody>
<tr>
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Math Courses
Scientific calculators are required for all courses – (The T1-30 is recommended)

Algebra I (02052A000) (NCAA Approved)
2 Semesters = 1 credit
This beginning course in Algebra is designed to take students well versed in basic math and introduce them to such concepts as real number operations, solving & graphing linear and quadratic equations, rational expressions, polynomials, powers and roots, and practical applications of all of the above. Students successfully completing this course will be ready for Geometry and Algebra II. Objectives are to develop good study habits, abstract thinking, and the ability to work problems in logical sequential order and become prepared for other math and science courses. Required materials include a T1-30 calculator.

Algebra II (02056A000) (NCAA Approved)
2 Semesters = 1 credit
Prerequisite: Geometry or Geometry Honors
This class reviews many of the topics of Algebra I, such as solving equations, graphing, factoring, and problem solving; however, this class goes much further, exploring systems of equations, exponents, graphing quadratic equations, and real world problem-solving. Logarithms, complex numbers, and matrices will be explored as a means of solving problems involving such concepts as population growth, and compound interest. We will complete a course similar to a college level Algebra course. This class will significantly enhance a student’s chance to score well on both the ACT and SAT exams. Required materials include a scientific calculator.

**Algebra II Honors (02056A000) (NCAA Approved)**

2 Semesters = 1 credit  
Prerequisite: Geometry or Geometry Honors  
This is a weighted course. It will explore the same topics and curriculum as the standard Algebra II course, but will place further emphasis on problem-solving and test-taking strategies. This course will ultimately lead to a four-year math cycle that will culminate in the student's ability to take an Advanced Placement Calculus course. Required materials include a scientific calculator.

**AP Calculus – AB (02124A000) (NCAA Approved)**

2 Semesters = 1 credit  
Prerequisite: Pre-calculus  
This is a weighted course. It is a standard first-semester college calculus course. The students will learn the techniques, concepts and applications of limits, differentiation and integration. These concepts will be studied graphically, analytically, numerically and verbally. Students are expected to take the Advanced Placement exam. Required materials include a graphing calculator.

**AP Calculus - BC (Need number)**

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. This course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. You will learn how to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations.

**AP Statistics (02203A000) (NCAA Approved)**

2 semesters = 1 credit  
Prerequisite: Algebra II  
This is a weighted course. This full year course will introduce 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—describing patterns and departures from patterns; Sampling and Experimentation—planning and conducting a study; Anticipating Patterns—exploring random phenomena using probability and simulation; and Statistical Inference—estimating population parameters and testing hypotheses. Students who successfully complete this course and the AP exam may receive college credit or advanced placement in statistics at the college level. Students are expected to take the Advanced Placement exam.

**Foundations of Math 1, 2, 3, 4**

2 Semesters = 1 credit  
Grade: 9, 10, 11, 12  
Prerequisite: IEP Team Recommendation  
This course is designed to provide foundations in essential math skills. Some of the topics include place value, basic operations, rounding, basic geometry, problem solving, decimals, fractions and pre-algebra concepts. Instruction is individualized as needed.

**Functional Math 1, 2, 3, 4**

2 Semesters = 1 credit  
Grade: 9, 10, 11, 12  
Prerequisite: IEP Team Recommendation  
The students will develop basic math skills to allow independent functioning in the community. The course will be designed to meet the goals of the student’s individual education plan. Areas of concentration will include basic computation skills, measurement skills and time and money concepts.
This course emphasizes transition-based consumer and basic math skills. Skills will include money/budgeting, time, patterns, and number concepts. The students will learn skills that will functionally assist them with math in the workplace, math at home, and math to be used while shopping.

Geometry (02071A000) (NCAA Approved)
2 Semesters = 1 credit
Prerequisite: Algebra I
Geometry covers the study and measurement of segments, lines, and shapes. It also involves the study of 2 and 3 dimensional figures, calculating segment lengths, angle measures, as well as areas and volumes. Emphasis is placed on real-life problem solving, as well as developing a logical approach to problem solving. This class will prepare the student to take trigonometry or pre-calculus. **Required materials include a TI-30 calculator, a compass, and a protractor.**

Geometry Honors (02072A000) (NCAA Approved)
2 Semesters = 1 credit
Prerequisite: Algebra I
This is a **weighted** course. It will explore the same topics and curriculum as the standard Geometry course, but will place further emphasis on problem-solving and test-taking strategies. This course will ultimately lead to a four-year math cycle that will culminate in the student’s ability to take an Advanced Placement Calculus course. **Required materials include a TI-30 calculator.**

Individual Geometry
2 Semesters = 1 credit
**Placement determined by IEP team**
This course focuses on the following state goals: #6 Demonstrate and apply a knowledge and sense of numbers, including numeration and operations (addition, subtraction, multiplication, division, patterns, ratios, and proportions). Topics include basic computation, measuring, fractions, decimals, ratios, percents, calculations, word problems, pre-algebra and geometry concepts, and practical applications for math in the work place.

Individual Advanced Algebra
2 Semesters = 1 credit
**Placement determined by IEP team**
This course focuses on the following state goals: #6 Demonstrate and apply a knowledge and sense of numbers, including numeration and operations (addition, subtraction, multiplication, division, patterns, ratios, and proportions). Topics include basic computation, measuring, fractions, decimals, ratios, percents, calculations, word problems, pre-algebra and geometry concepts, and practical applications for math in the work place. **Review of Algebra topics (solving equations and word problems, graphing and writing linear equations of a line), this course involves solving systems of linear equations and inequalities, exponent rules, simplifying polynomials, factoring, quadratic equations, and introduction to trigonometry topics.**

Math Skills Lab (02999A000)
1 or 2 Semester(s) = 0.50 or 1.0 elective credit
This course is designed to provide additional support and practice for the Algebra I course. Hands-on and traditional activities, methods, and techniques will challenge students to apply concepts learned in the Algebra I course. This class must be taken concurrently with another math class. Placement based on recommendation from teachers, guidance counselor, special education team or case manager.

Pre-Calculus (02110A000) (NCAA Approved)
2 Semesters = 1 credit
Prerequisite: Algebra II or Algebra II Honors
This is a **weighted** course. In-depth techniques and applications are used to prepare students for more advanced course work. Technology is used as a facilitating tool to integrate and explore mathematical concepts. A scientific calculator is required (TI-83+/ or a TI-84+ graphing calculator is recommended).

Probability and Statistics (02201A000)
2 Semesters = 1 credit
This class is being offered to students who have successfully completed their high school math requirement of three credits but wish to continue their mathematics education. The course will include an introduction to the study of probability, problem solving through the use of statistical analysis, and gathering and interpreting data. **Topics covered**
include data classification, measures of central tendency, probability distributions, confidence intervals, and hypothesis testing. The students will be expected to gather, explore, and analyze data so that they may draw conclusions based on their analysis.

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
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</tr>
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**Anatomy & Physiology (03054A000) (NCAA Approved)**
2 Semesters = 1 credit
All major body systems will be studied in detail. Dissections and other labs are a large part of this course. This course is an excellent foundation for college-level anatomy coursework. This course is strongly recommended for students considering health and/or life science occupations including physical and occupational therapy, sports medicine, physical trainers, nursing, coaching, etc.

**AP Biology (03056A000) (NCAA Approved)**
2 Semesters = 1 credit
This *weighted* course parallels a college freshman Biology course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). This course is fast-paced, challenging, and intended for college-bound students. Emphasis will be on the four big ideas found in the AP Biology framework created by the College Board. Students who successfully complete this course and the AP exam may receive college credit or advanced placement in biology at the college level. *Students are expected to take the Advanced Placement exam.*

**AP Chemistry (03106A000) (NCAA Approved)**
2 Semesters = 1 credit
This *weighted* course parallels a college freshman Chemistry course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). This course is fast-paced, challenging, and intended for college-bound students. Emphasis in chemical concepts including scientific method and measurement, basic chemical principles, language of chemistry, knowledge of chemical reactions and change of state, as well as mathematical concepts that apply, throughout the course. Students who successfully complete this course and the AP exam may receive college credit or advanced placement in chemistry at the college level. *Students are expected to take the Advanced Placement exam.*

**AP Physics (03163A000) (NCAA Approved)**
2 Semesters = 1 credit
Prerequisite: successful completion of or concurrent enrollment in Algebra II, Algebra II Honors or Pre-Calculus

This weighted course focuses on the big ideas typically included in the first semester of an algebra-based, introductory college-level physics sequence and provides students with enduring understandings to support future advanced course work in the sciences. Through inquiry-based learning, students will develop critical thinking and reasoning skills, as defined by the AP Science Practices. Students will cultivate their understanding of physics and science practices as they explore various topics including kinematics, dynamics, harmonic motion, electrostatics, mechanical waves and sound and more. Students who successfully complete this course and the AP exam may receive college credit or advanced placement in physics at the college level. Students are expected to take the Advanced Placement exam.

**Biology (03051A000) (NCAA Approved)**
2 Semesters = 1 credit
This is an introductory course in the biological sciences. Topics include scientific method, cells, molecular organization of life, cellular division, genetics, DNA replication, protein synthesis, classification of organisms and ecology.

**Biology Honors (03052A000) (NCAA Approved)**
2 Semesters = 1 credit
Biology Honors is a weighted class. This course is more in-depth and is taught at a faster pace. This is an introductory course in the biological sciences. Topics include scientific method, cells, molecular organization of life, cellular division, genetics, DNA replication, protein synthesis, classification of organisms and ecology.

**Chemistry (03101A000) (NCAA Approved)**
2 Semesters = 1 credit
Chemistry is an introductory course in chemical concepts including scientific method and measurement, basic chemical principles, language of chemistry, knowledge of chemical reactions and change of state, as well as mathematical concepts that apply throughout the course. This course will provide a foundation for college chemistry coursework and other related courses. Students need a scientific calculator.

**Chemistry Honors (03102A000) (NCAA Approved)**
2 Semesters = 1 credit
Chemistry Honors is a weighted class designed for students who can handle a more in-depth approach and faster pace of instruction. Chemistry Honors is an introductory course in chemical concepts including scientific method and measurement, basic chemical principles, language of chemistry, knowledge of chemical reactions and change of state, as well as mathematical concepts that apply throughout the course. This course will provide a foundation for college chemistry coursework and other related courses. Students need a scientific calculator.

**Introduction to Earth Science (Ind.) (03001A000)**
2 Semesters = 1 credit
Prerequisite: IEP Team Recommendation
Earth Science is a hands-on laboratory science course in which students collect and interpret real-time data to study major earth systems. Specific topics include geology, plate tectonics, earth history, astronomy, meteorology, and oceanography. Problem solving and critical thinking are utilized to gain an understanding of events happening in the real world. This laboratory-oriented course prepares students for further coursework in chemistry, physics, and earth science.

**Individual Physical Science**
2 Semesters = 1 credit
Prerequisite: IEP Team Recommendation
This is a year-long special education class, which focuses on scientific methodology, the role of science in society, and the basic principles of chemical, physical and earth sciences. This course will include laboratory work. Instruction is individualized as needed.

**Foundations of Biology**
2 Semesters = 1 credit
Grade: 9, 10, 11, or 12
Prerequisite: IEP Team Recommendation
This course focuses on the study of life. This is a year-long course that will examine the chemistry of life, the biosphere, populations, cell structure and function, DNA and inheritance, evolution and classification. Emphasis is placed on scientific methodology. Recurring themes include ecology, genetics and evolution. Instruction is individualized as needed. This class can be taken once for credit.

**Foundations of Physical Science**
2 Semesters = 1 credit  
Grade: 9, 10, 11, or 12  
Prerequisite: IEP Team Recommendation  
This course focuses on scientific methodology, the role of science in society and the basic principles of chemical, physical and earth sciences. Instruction is individualized as needed. This class can be taken once for credit.

**Foundations of Earth Science**
2 Semesters = 1 credit  
Grade: 9, 10, 11, or 12  
Prerequisite: IEP Team Recommendation  
This course focuses on the physical constitution of earth and its atmosphere. Instruction is individualized as needed. This class can be taken once for credit.

**Functional Science / Home Management 1, 2, 3, 4**
2 Semesters = 1 credit  
Grade(s): 9, 10, 11, 12  
Prerequisite: IEP Team Recommendation  
This course is designed to increase understanding of topics by using scientific reasoning and practice. This program will allow practical application of the skills taught in the classroom through community-based experiences. The community trips will access the community to promote the development of recreational and daily living skills.

**Physics (03151A000) (NCAA Approved)**
2 Semesters = 1 credit  
Prerequisite: successful completion of or concurrent enrollment in Algebra II or Algebra II Honors  
Physics is a class that focuses on the study of matter and energy through hands-on laboratory activities and lecture. This course offers an overview of scientific method, mechanics, heat, sound, light, electricity and magnetism. Trigonometry principles will be used in this class. **Students need a scientific calculator**

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### Social Sciences Flow Chart

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Geography</td>
<td>World History</td>
<td>US History</td>
<td>Government</td>
</tr>
<tr>
<td>AP Human Geography</td>
<td>AP World History</td>
<td>AP US History</td>
<td>AP Government and Politics</td>
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<td>Electives</td>
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<td>- AP Psychology</td>
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<td>- AP US History</td>
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<td>- Sociology (.5)</td>
<td>- Sociology (.5)</td>
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Social Sciences Courses

AP Government and Politics – U.S. (04157A000) (NCAA Approved)
2 Semesters = 1.0 credit
This weighted course parallels a college freshman U.S. Government and Politics course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). In this class, we will discuss our American government and all its components. Topics such as the three branches of government, origins and early forms of U.S. government, landmark Supreme Court rulings, and current political events will be covered. The student will also have to take and pass the U.S. Constitution and Illinois Constitution exams in order to graduate. Students will be expected to take the Advanced Placement Examination. Five hours of community service are required for successful completion of this class. This course fulfills a graduation requirement.

AP Human Geography (04004A000) (NCAA Approved)
2 Semesters = 1.0 credit
This weighted course parallels a college freshman Human Geography course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). In this course students will study the world’s physical features, how they blend with social systems, and affect economics, politics, and human interaction. Students will also use map/charts to analyze historical documents. Students will learn the countries of the world and how countries interact with each other. Students will be expected to take the Advanced Placement Examination.

AP Psychology (04256A000) (NCAA Approved)
2 Semesters = 1.0 credit
This weighted course parallels a college freshman Psychology course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). In this class, we will discuss Psychology and all its components. Students will be expected to take the Advanced Placement Examination. Five hours of community service are required for successful completion of this class.

AP U.S. History (04104A000) (NCAA Approved)
2 Semesters = 1 credit
This weighted course parallels a college freshman U.S. History course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). This class helps students understand major themes that have made the U.S. a world leader today. This class will investigate the social aspects of various time periods, developing an understanding of how these time periods were a reflection of the past and how they affected the immediate future. Students will be expected to take the Advanced Placement Examination. This course fulfills a graduation requirement.

AP World History (04057A000) (NCAA Approved)
2 Semesters = 1.0 credit
This weighted course parallels a college freshman World History course and depending on the student's score on the College Board AP Exam at the end of the year, could count as college credit (check with the college you plan to attend). AP World History is structured around the investigation of key course themes and concepts in six different chronological periods, from 8000 B.C.E. to the present, emphasizing the development of historical thinking skills. Students will be expected to take the Advanced Placement Examination.

Foundations of Human Geography
2 Semesters = 1 credit
Grade: 9, 10, 11, or 12
Prerequisite: IEP Team Recommendation
This course focuses on the study of places and the relationships between people and their environments. Instruction is individualized as needed. This class can be taken once for credit.
Foundations of World History
Credits 2 semesters=1 credit
Grades 9, 10, 11, 12
Prerequisite IEP Team Recommendation
This class begins with the origins of human life before written history and proceeds to the fall of the Roman Empire. Important topics will include early civilizations, first empires, influence of Greece and Rome in our society, and the spread of Christianity. This class focuses on the period from the Middle Ages until recent world history, including the Cold War and terrorism. We will also discuss the early inhabitants at the Americas, Exploration, French and Russian Revolutions, Industrial Revolution, Imperialism, and the World Wars. Instruction is individualized as needed.

Foundations of US History
Credits 2 semester=1 credit
Grades 9, 10, 11, 12
Prerequisite IEP Team Recommendation
This course reviews the founding of the nation, the history of our Presidents, and studies major historical events as they relate to America’s past and present. Students will be expected to produce projects and assignments, which demonstrate understanding through the use of texts, supplemental materials and teacher-generated curriculum. Instruction is individualized as needed.

Foundations of Government
Credits 1 semester-.5 credit
Grades 9, 10, 11, 12
Prerequisite IEP Team Recommendation
This course studies the executive, legislative and judicial branches of government at the Federal, State and Local levels. Students will gain an understanding of their country’s legal system, as well as the rights and responsibilities of a citizen of the United States and the State of Illinois during the semester. Students will be expected to pass the required tests on the U.S. Constitution, Illinois Constitution, as well as show an understanding of the Declaration of Independence and Flag Codes through projects with the use of supplemental materials and teacher-generated curriculum. Instruction is individualized as needed.

Functional History / Community 1, 2, 3, 4
2 Semesters = 1 credit
Grade: 9, 10, 11, 12
Prerequisite: IEP Team Recommendation
This course is designed to increase awareness of the local community, state, nation, and world; discuss current events; research topics of interests; and increase understanding of the functions of government. This program will allow practical application of the skills taught in the classroom through community-based experiences. The community trips will access the community to promote the development of recreational and daily living skills.

Human Geography (04049A000) (NCAA Approved)
2 semesters = 1.0 credit
Human Geography is a course to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and application.

Introduction to Psychology (04254A000)
1 Semester = 0.50 credit
The course helps students better understand their own behavior, the behavior of others, and the ways in which conditions influence human behavior. Students are introduced to career opportunities in psychology. Students also examine the ways that brain chemistry and structures influence behavioral conditions such as aggression, stress, sleep, and others. Furthermore, students examine the journey of personal development from the early childhood years through the teenage years. Students will also be taught the processes involved in learning, with emphasis on classical and
operant conditioning. In addition, students examine the process of personality development and the ways in which personalities are measured and tested. Students also examine the conditions and treatments of multiple personality disorders and the autism spectrum. Lastly, students learn the procedures used to conduct psychological experiments.

**Sociology (04258A000) (NCAA Approved)**
1 Semester = 0.50 credit
Sociology is the study of human relationships. In this course we will discuss multiple topics including racism, discrimination, family matters, violence in America, disabilities, and religion. Comprehension of material is measured through discussion, cooperative learning projects, and hands-on activities.

**U.S. Government (04161A000) (NCAA Approved)**
1 Semester = 0.50 credit
In this class, we will discuss our American government and all its components. Topics such as the three branches of government, origins and early forms of U.S. government, landmark Supreme Court rulings, and current political events will be covered. The student will also have to take and pass the U.S. Constitution and Illinois Constitution exams in order to graduate. Five hours of community service are required for successful completion of this class. This course is required to graduate.

**U.S. History (04101A000) (NCAA Approved)**
2 Semesters = 1 credit
This is a year-long course covering the colonization through World War II. Students will be required to complete numerous activities including tests and group projects. Students will be required to write a detailed research paper. This course is required to graduate.

**World History (04049A000) (NCAA Approved)**
2 Semester = 1.0 credit
This class begins with the origins of human life before written history and proceeds to the fall of the Roman Empire. Important topics will include early civilizations, first empires, influence of Greece and Rome in our society, and the spread of Christianity. Students will be introduced to map/chart reading, political systems, and governments. This class focuses on the period from the Middle Ages until recent world history, including the Cold War and terrorism. We will also discuss the early inhabitants at the Americas, Exploration, French and Russian Revolutions, Industrial Revolution, Imperialism, and the World Wars. Students will be introduced to map/chart reading and political systems and governments.

**Physical Education - Health - Driver Education**

**Athletic Strength and Conditioning I**
Prerequisite: Participation in a high school sport
This course is designed to teach students who are in sports the proper etiquette, protocol, form, and technique in a weight room or agility training setting. Students will learn the basics of the weight room and focus on building a base for understanding of and performance of lifts important to their sport. After an introductory unit, students will work through a sport specific program that will continue on to Athletic Strength and Conditioning II. This course is designed to also prevent the need for coaches to plan lifting time into practice, extending practice time, giving the student-athlete less time at night to work on homework for other classes.

**Athletic Strength and Conditioning II**
Prerequisite: Athletic Strength and Conditioning I
This course is designed to continue the education and progress made in Athletic Strength and Conditioning I. The knowledge gained from the previous course should lead to a higher level of success with proper etiquette, protocol, form, and technique in a weight room or agility training setting. Students will strengthen their mastery of weight room basics and increase the base for understanding of and performance of lifts important to their sport. Students will conduct research about goal setting in the weight room, and create a plan to reach those goals by the end of their high school career. This course will feature sport specific training and is designed to also prevent the need for coaches to plan lifting time into practice, extending practice time, giving the student-athlete less time at night to work on homework for other classes.
Athletic Strength and Conditioning III
Prerequisite: Strength and Conditioning II
This course is designed to continue the education and progress made in Athletic Strength and Conditioning II. The knowledge gained from the previous course should lead to a higher level of success with proper etiquette, protocol, form, and technique in a weight room or agility training setting. Students will strengthen their mastery of weight room basics and increase the base for understanding of and performance of lifts important to their sport. Students in this course will also begin to understand the basics of planning a workout program, a skill that will help them be healthy for the rest of their lives. This course will feature sport specific training and is designed to also prevent the need for coaches to plan lifting time into practice, extending practice time, giving the student-athlete less time at night to work on homework for other classes.

Athletic Strength and Conditioning IV
Prerequisite: Athletic Strength and Conditioning III
This course is designed to continue the education and progress made in Athletic Strength and Conditioning III and prepare senior athletes for the demands of a collegiate strength and conditioning. In this course, students will see the final product of work over their 4 years in this course. They will revisit goals and the plan that was created their sophomore year, and self-evaluate their performance, determining factors that lead to improvement or lack of improvement. They will also have opportunities to research careers in strength and conditioning, and become familiar with the National Strength and Conditioning Association and their work in this field.

Collaborative PE (08007A000)
2 Semesters = 1 credit
Prerequisite: Teacher Recommendation
Grade 10-12
A physical education program in which teaching methods are designed to meet the unique needs of any individual student. It is a cooperative program in which emphasis is placed on increasing the students’ skill movement, increasing their current fitness levels, and encouraging and promoting a more active lifestyle. This course is designed for a small group atmosphere. The smaller class sizes will enable the instructor to make appropriate individual adaptations. Students will also work closely with their peers. A cooperative/leadership program is established for an increased learning experience for all students.

Driver Education (08152A000)
1 Semester = 0.50 credit
Prerequisite: Passing grade in 8 courses during previous 2 semesters including 2 semesters of PE
Grade 10
The first phase of this course is to provide educational experience to give students the skills, knowledge, and proper attitudes necessary for the efficient and safe operation of the motor vehicle. Phase two gives each student behind-the-wheel driving experience in a dual control automobile. Students receive a maximum of 6 hours driving practice. Attendance is mandatory. Excessive absences may result in a student failing the class. This course must be taken in conjunction with a 0.5 PE course. This course is a graduation requirement.
Fee: A fee will be charged for Driver’s Ed and must be paid before students begin the class.

Fitness Physical Education (08005A000)
1 or 2 Semesters = 0.5 or 1 credit
Grade 10-12
This is an alternate choice of PE for fitness driven individuals. This course is focused on the principles of fitness (Cardio-respiratory, flexibility, strength, endurance and body composition. Student will progress in all forms of fitness. Attaining individual fitness goals throughout the semester will be emphasized. This course will focus on alternative forms of fitness including but not limited to yoga, aerobics, muscle toning as well as other current fitness trends.

Health (08051A000)
1 Semester = 0.50 credit
Grade 10
The physical, social, mental/emotional health of human beings is studied in this one semester required course. The structure and systems of the body, infectious and lifestyle diseases, mental disorders, aspects of fitness, hazards of substance abuse, nutrition information, and decision-making are among the topics covered. **This course is required to graduate.**

**Introduction to Physical Education (08001A000)**

2 Semesters = 1.0 credit  
**Grade 9**  
This course introduces concepts for personal development in health-related fitness and physical skills. These include cardiovascular exercise, body composition, strength, endurance, and flexibility, which will be the basis for the four-year physical education program. This course focuses on introducing the foundation for health education, rules of the games and activities, basic health concepts, and basic resistant training techniques. Student must be physically cleared for physical activity.

**Physical Education (08001A000)**

1 or 2 Semesters = 0.5 or 1 credit  
**Grade 10-12**  
Physical education is required by the State of Illinois. It is the goal of the Physical Education Department that our students gain a knowledge and appreciation of the worth of physical fitness that will contribute to an individual’s quality of life. By offering a variety of team and individual recreational sports activities, we hope to encourage carryover into participation as an adult. Activities are designed to allow group interaction to enhance the social and emotional development of the students. **Requirements include participation and PE uniform.**

**Fine Arts**

**Art – Foreign Language – Music – Theater**

**ART**

**AP Studio Art (TBD)**

2 Semesters = 1 credit  
Prerequisite: Successful completion of Foundations of Art and Studio Art  
The AP Studio Art course is for students interested in a rigorous and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of concept, composition and execution in 2D design. This course is based on a student creating a body of work that demonstrates quality, concentration and breadth. This portfolio will be submitted to the College Board for college credit. The course will meet for a full year on the academic model (8 meetings every two weeks.) As in any college level course students will be expected to spend a considerable amount of time outside of class in order to complete assignments and doing homework and sketchbook assignments.

**Ceramic Arts (05159A000)**

2 Semesters = 1 credit  
Prerequisite: Foundations of Art  
Students will explore the creative medium of clay, clay sculpture, and the ceramic arts. As they learn and develop various hand building and wheel throwing skills, students will be challenged to create various 2-D and 3-D ceramic artworks. Projects will include decorative and functional ceramic pieces, while also providing room for creative freedom to produce personal works of ceramic art. Decoration techniques including staining, painting, under glazing, and glazing will be included as well. The student’s only required material is a sketchbook.

**Crafts I – General Crafts (05165A000)**

1 Semester = 0.50 credit  
Students will explore the recreational arts of crafting and jewelry making. Various projects will focus on avenues of crafting including book arts, fiber arts, jewelry, stained glass, clay, and other inventive projects. Students will be challenged to use their own interests to establish various and diverse themes for their work. Eventually, this class will complete a final project while working with popular social media site, Pinterest™ to design their own craft project.
Intermediate Drawing & Painting (05155A000)
2 Semesters = 1 credit
Prerequisite: Foundations of Art
This is an intermediate course for those who want to improve their artistic skills and techniques as well as broaden their knowledge with a focus on drawing and painting. The course will explore the understanding of anatomy in the arts, still-life, portraits, landscapes, cartoon/comics, and illustration. Drawing media include pencil, graphite, oil pastels, soft pastels, conte-crayon, and charcoal. Paintings may include oils, acrylics, tempera, and watercolors. Art history/Artist studies will be included in this course. **This course is required in order to be eligible for 2-D Studio-Portfolio recommendation. Sketchbook, kneaded eraser, and pencils are recommended.**

Foundations of Art (05154A000)
2 Semesters = 1 credit
This class is intended for any student who has an interest in hands-on art and wants to explore a variety of art mediums and techniques. Two and three-dimensional art experiences will include drawing, painting, art history, and sculpture. Individual artists will be studied independently, by each student. Students will be introduced to the Elements of Art, and will also cover the Principles of Design. This class is the prerequisite for most other art classes. **A sketchbook, kneaded eraser, and pencils are required.**

Sculpture I (05158A000)
1 Semester = 0.5 credit
Prerequisite: Intro to Art
Students will be introduced to three-dimensional artwork and will explore a continuous discussion about sculpture art. Contemporary and classic sculpture artists will be studied and students will use these artists, and their own interests, as inspirations to create their own sculptural works of art. Various forms of creating sculpture art through projects, including plaster and wax casting, paper mache, clay sculpture, wire, paper, foam, plastic, and found objects. Throughout the course, students will build their sculpture making skills and gain an understanding of the difference between 2-D and 3-D art, as well as form, and elements of art can be utilized to create a successful sculpture.

Studio 2-D Art (05170A000)
2 Semesters = 1.0 credit
Prerequisite: Successful completion of Intermediate Drawing & Painting AND teacher recommendation
This is a **weighted** course. Studio is a yearlong class, which involves independent study in an area chosen by the student and teacher. This class is recommended for the self-motivated student. A sketchbook must be kept by the student recording use of time in and out of class. Creativity and drive is necessary for acceptance into this class. Student will develop a total of 2 Professional Portfolios throughout the duration of this course. Independent art history/inspiration research is required.

Studio 3-D Art (05170A000)
2 Semesters = 1.0 credit
Prerequisite: Successful completion of Ceramic Arts AND teacher recommendation
This is a **weighted** course. Studio is a yearlong class, which involves independent study in an area chosen by the student and teacher. This class is recommended for the self-motivated student. A sketchbook must be kept by the student recording use of time in and out of class. Creativity and drive is necessary for acceptance into this class. Student will develop a total of 2 Professional Portfolios throughout the duration of this course. Independent art history/inspiration research is required.

<table>
<thead>
<tr>
<th>Foreign Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
</tr>
<tr>
<td>Spanish I</td>
</tr>
</tbody>
</table>

32
*Initial level is determined by placement test results

**AP Spanish Language and Culture (06112A000) (NCAA Approved)**
2 Semesters = 1 credit
This *weighted course* is designed to provide advanced high school students with a rich and rigorous opportunity to study the language and culture of the Spanish-speaking world and is equivalent to a college Spanish course. This course takes a holistic approach to language proficiency. The AP Spanish Language and Culture course strives to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in Spanish. **Students will be expected to take the Advanced Placement Examination.**

**AP Spanish Literature and Culture (06113A000) (NCAA Approved)**
2 Semesters = 1 credit
This *weighted course* is designed to provide advanced high school students with a rich and rigorous opportunity to study the language and culture of the Spanish-speaking world and is equivalent to a college Spanish course. This course takes a holistic approach to language and literature. The AP Spanish Literature and Culture course strives to promote both fluency and comprehension in Spanish Literature. In order to best facilitate the study of literature and culture, the course is taught in Spanish. **Students will be expected to take the Advanced Placement Examination.**

**Heritage Speakers I (06106A000) (NCAA Approved)**
2 Semesters = 1 credit
Prerequisite: Achievement of 70% or better on placement test
This is a course taught completely in Spanish and designed for students who have a high functioning background in Spanish. It is equivalent to English I. This course concentrates on the written and linguistic aspect of the language. The course will include culture, history, art, drama, literature and other areas of interest. Successful completion of this course provides a student with the skills to accurately read and write Spanish.

Este curso está enseñado completamente en español y está diseñado para los estudiantes que tienen una historia en español. Este curso se concentra en los aspectos escritos y lingüísticos del idioma. El curso incluye cultura, historia, arte, teatro, literatura y otros aspectos de interés. La terminación exitosa de este curso provee un/una estudiante con las habilidades para leer y escribir español.

**Heritage Speakers II (06106A000) (NCAA Approved)**
2 Semesters = 1 credit
Prerequisite: Heritage Speakers I
This is a course taught completely in Spanish and designed for students who have a high functioning background in Spanish. It is equivalent to English II. This course covers culture, history, art, literature and promotes writing skills in Spanish.

**Spanish I (06101A000) (NCAA Approved)**
2 Semesters = 1 credit
This course is designed for the student with minimal competency or no previous exposure to Spanish. Basic vocabulary and grammatical concepts will be introduced and integrated for a basic competency of the four communication skills. Individual and group activities will provide the means for the student’s interactions. Culture involving customs, geography, history and the people of Spanish-speaking countries will be explored. Students will be assessed in terms of written and oral proficiency related to individual/group activities, assignments, quizzes and tests.

**Spanish II (06102A000) (NCAA Approved)**
2 Semesters = 1 credit
Prerequisite - Successful completion of Spanish I
This is a continuation of Spanish I. The format and assessment are the same for Spanish II and focuses on more challenging skills and knowledge.

**Spanish III (06103A000) (NCAA Approved)**
2 Semesters = 1 credit
This course is a continuation of Spanish II. Vocabulary and advanced grammatical concepts will be introduced in order to increase the ability to communicate. Cultural topics and projects will also be introduced. Exposure to Spanish literary works will enable the student to read, understand, and speak utilizing previously learned vocabulary and grammar in context. Students will be assessed in terms of oral and written proficiency related to group participation, assignments, quizzes and tests.

**Spanish IV (06104A000) (NCAA Approved)**
2 Semesters = 1 credit
This course is a continuation of Spanish III and is a college-level preparatory. Vocabulary and advanced grammatical concepts will be introduced in order to increase the ability to communicate. There will be a greater focus on cultural issues and literary works. Other aspects of the Spanish culture will be explored which includes music, dance, art, and theater. Students will be assessed in terms of oral and written proficiency, projects, assignments, tests and quizzes.

**Spanish IV Honors (06104A000) (NCAA Approved)**
2 Semesters = 1 credit
In addition to the course description and expectations of Spanish IV, Spanish IV Honors students will be expected to complete the workbook “Spanish Verb Tenses” by Dorothy Richmond outside of class. Students will be allowed to consult the teacher outside of class time for any questions. Parts I, all units and Part II, Unit 1, will be expected for first semester and Part II, units 2-6 and Part III, all units, for second semester. Successful completion of this book will help prepare a student who is planning to study Spanish in college.

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**Music Courses**

**AP Music Theory (05114A000)**
2 Semesters = 1.0 weighted credit
Throughout the course, students listen to musical works attentively and analytically, developing their musical memory and their ability to articulate responses to formal, stylistic, and aesthetic qualities of the works. Performance — using singing, keyboard, and students’ primary performance media — should also be a part of the learning process. Although sight singing is the only performance skill that is directly tested by the AP Exam, training in all these areas will develop the aural skills that are tested. Once again, fluency and quickness with basic materials are essential. **Students will be expected to take the Advanced Placement Examination.**

**Collaborative Choir/Music (05149A000)**
2 Semesters = 1.0 credit
This class provides music education in a setting where teaching methods are designed to meet the unique needs of any individual student. It is a cooperative program in which emphasis is placed on increasing the student's musical vocabulary, increasing their current level of musicality, developing rhythmic skills, singing in a group, and playing different instruments. This course is designed for a small group atmosphere. The smaller class sizes will enable the instructor to make appropriate individual adaptations. Students will also work closely with their peers. A cooperative/leadership program is established for an increased learning experience for all students.

**Concert Band (05102A000)**
2 Semesters = 1 credit
Prerequisite: Middle school band or director approval. Students may not take only one semester of band unless given specific written permission by the band director. This includes scheduling issues. This class includes marching band, pep band, and concert band. Participation in concerts, contest, and athletic events is required. Optional activities offered with this class include IMEA, jazz band, madrigals, freshman/sophomore honor bands.

**Honors Independent Music Study (05109A000)**
1 Semester = 0.50 weighted credit
Grade 11-12
In addition to the requirements for Independent Music Study, students will complete a composition portfolio, complete additional writing assignments, use Finale software, work on music theory concepts and ear-training, submit an original composition to the IMEA, and perform an original solo/ensemble composition at the concert in May. This class may be repeated.

Honors Chamber Choir (05110A000)
2 Semesters = 1 credit
Grades 11-12
Prerequisite: Students must have participated in high school mixed choir for at least one year with a final grade of 80% or higher. This class can only be taken once. Audition Required.
In addition to the requirements for Mixed Choir, students in this weighted class will complete 2 additional projects each semester that may include, but are not limited to the following activities: auditioning for the IMEA Senior Music Festival; participating in private lessons with a weekly journal of rehearsals, new techniques, and strategies; participating in a college music festival; attending 8 vocal/instrumental music performances at area high schools and writing a comparison paper; etc.

Honors Symphonic Band (05102A000)
2 Semesters = 1 credit
Grades 11-12
Prerequisite: Students must have participated in high school band for least one year with a final grade of 80% or higher and completed a mandatory audition. This class meets with the symphonic band class. This class may only be taken once. In addition to the requirements for Band, students in this weighted class will complete 2 additional projects with accompanying written portfolio each semester that may include but are not limited to the following activities: auditioning for the IMEA Senior Music Festival; participating in private lessons with a weekly journal of rehearsals, new techniques, and strategies; participating in a college music festival; attending 8 vocal/instrumental music performances at area high schools and writing a comparison paper; etc.

Independent Music Study (05109A000)
1 Semester = 0.50 credit
Grade 10-12
This class is open to all students. This class provides students with the opportunity to study an instrument for a semester such as piano or guitar. Students focus on learning correct instrument technique and how to incorporate reading music while playing the instrument. In addition to studying an instrument, students complete a study in music theory of Western music. We utilize the Alfred and Kostka and Payne series of music theory materials. This class individualizes instruction to begin music education per student at their assessed level of skills.

Concert Choir (05110A000)
2 semesters = 1 credit
This choir is open to all students. No previous vocal training is necessary. Classroom focus will be on tone quality and intonation. Students will learn to sing a variety of music in unison, two, and three-part harmony. Participation in concerts is mandatory. Optional activities include Madrigals and IMEA.

Chamber Choir (05110A000)
2 Semesters = 1 credit
Prerequisite: Audition
Grade 10-12
Students will learn to sing a variety of music in three and four part harmony. Participation in concerts is mandatory. Optional activities include Madrigals, IMEA, and I-8 honor choir festival.

Music Appreciation I (1900-Present) (05116A000)
1 Semester = 0.50 credit
This class is open to all students. Course of study will include music history from the 1950s through present day. Students will learn the introductory basis of music theory and general music knowledge.

Music Appreciation II (1000-1900) (05116A000)
1 Semester = 0.50 credit
This class is open to all students. Course of study will include music history from the Medieval Era through the early 1900s. Students will learn the introductory basis of music theory and general music knowledge.

Symphonic Band (05102A000)
2 Semesters = 1 credit
Prerequisites: Concert Band or director approval
Students may not take only one semester of band unless given specific written permission by the band director. This includes scheduling issues. This class includes marching band, pep band, and concert band. Participation in concerts, contest, and athletic events is required. Optional activities offered with this class include the I8 Conference Honor Band, various college band festivals, IMEA, jazz band, madrigals, freshman/sophomore honor bands, and solo and ensemble contest.

Theatre Courses

Acting I – The Basics (05055A000)
1 Semester = 0.50 Credit
Students will learn the fundamentals of acting through improvisation and scripted material. Students will learn about believability, focus, intentions, and how to build a character. Much of the class will be hands-on learning based on participation, but some research, written work and reading will also be required.

Acting II – Techniques (05055A000)
1 Semester = 0.50 Credit
Prerequisite: Acting I
Students will build on the knowledge acquired during Acting I and perform multiple scenes, monologues and various other special projects throughout the semester. At the end of the course, students will show their culminated knowledge in a final show. Research, written work and reading will be required as students delve deeper into different acting styles and techniques.

Acting/Directing Studio: One Acts (05057A000)
1 semester = 0.50 credit
Prerequisite: Acting I and Technical Theatre I
Students will direct and perform in several one-act plays to be presented in two one-act festivals over the semester. All students will be expected to direct one show and act in two shows. A considerable amount of analysis of scripts and dedication to rehearsal will be required in this class. This class may be repeated.

Advanced Theatre Production (05099A000)
1 semester = 0.50 credit
Prerequisite: Acting/Directing Studio: One Acts
Students will present one full-length play. The play is performed in a full production for a paying audience. Students are required to assume all roles necessary for the production, including technical tasks, so there are positions for both actors and tech people. This class takes the theoretical lessons acquired in the prior classes and applies them under rigorous deadlines. This play will be separate from the extracurricular show presented each semester and gives students another opportunity to perform a full-length show. This class may be repeated.

Film Studies I (05059A000)
1 semester = 0.50 credit
Students will review the history of the American cinema from its early beginnings to the start of the modern blockbuster era. Students will view films from a variety of genres including silent, comedy, thriller, musical, western, and film noir. Students will analyze each film with discussion question packets. The following films that will be shown are: A Trip to the Moon, Singin’ in the Rain, Citizen Kane, The Searchers, The Godfather, Chinatown, and Star Wars: A New Hope as well as others decided each semester and various other short clips of other films to demonstrate different techniques and genre styles. Students will be required to give a detailed written critique of one of the films shown.
Film Studies II (05059A000)
1 semester = 0.50 credit
Prerequisite: Film Studies I
The second section of the course will focus on video production. Students will use the elements learned from Films Studies I and incorporate them into their own productions. Further techniques of editing, cinematography, direction, sound, and screen writing will be taught. Students will be required to make a two-three minute film. Students will go through the film process from the creation of a story in pre-production, to filming and lighting in production, to editing and sound in post-production. In addition, students will be required to produce a second video in the style of an established genre. The end of the course will culminate with students creating original scripts and producing a 5-7 minute video that adapt scenes for the screen.

Professional Theatre Arts Studio (05056A000)
2 semesters = 1.0 credit
Prerequisite: Either Acting I and II OR Technical Theatre I and II
This class is for actors AND technicians, who want to further their theatre craft in preparation for the professional theater world. Students in this weighted class will take part in various special projects throughout the year that reflect what they want to focus on within the course. This class will require a substantial commitment outside of the class, as participation in extracurricular productions is required as well as watching at least one professional theater show.

Technical Theatre I (05056A000)
1 semester = 0.50 credit
Students learn hands-on about theatrical set building. Students will learn about basic set design and tools, and assist with building the theatrical sets used in the extracurricular plays. In addition, students will focus on safety precautions revolving around the tools associated with theatre. Though most of the class is hands-on, some written work and reading is required.

Technical Theatre II (05056A000)
1 semester = 0.50 credit
Prerequisite: Technical Theatre I
Students will concentrate on the major areas of theatre technology and production. Students will learn how to research and design sets, scenery, lights, sound, and costumes and learn about the roles and responsibilities of the Stage Manager, Production Manager and House Manager. Students will learn about all areas of Technical Theatre and specialize in one or two areas. Participation in extracurricular productions is required.

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology Applications</td>
<td>Computer Graphics</td>
<td>Multimedia / Web Page Production</td>
<td>Multimedia / Web Page Production</td>
</tr>
<tr>
<td></td>
<td>Computer Programming</td>
<td>Gaming</td>
<td>Gaming</td>
</tr>
<tr>
<td>Accounting I</td>
<td>AP Computer Science</td>
<td>Desktop Publishing</td>
<td>Desktop Publishing</td>
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<td>Desktop Publishing</td>
<td>Computer Maintenance</td>
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Accounting I (12104A001)
2 Semesters = 1 credit
Grade 10-12
Accounting is a fast-paced business education course designed to introduce the fundamentals and skills of double entry bookkeeping and to prepare students for entry-level positions involving bookkeeping skills. This course goes through three Accounting cycles: Sole Proprietorships, Partnerships, and Corporations. Topics include interpreting transactions for each type of business, journalizing transactions, posting from a General Journal to a General Ledger, posting from Special Journals to a General Ledger, creating a variety of Financial Reports from posted data, depreciation, bad debts, payroll, cash register, accrued expenses, notes, and interest. All units go through practice sets and some simulated projects are incorporated when possible. Basic math functions and logical thinking are necessary. You must be enrolled as a junior or senior and maintain a "B" average to be able to articulate Accounting I and Accounting II credits at Waubonsee Community College.

Accounting II (12104A002)
2 Semesters = 1 credit
Grade 11-12
This is a weighted course. Accounting II is a business education skill-level course that builds upon the foundation established in Accounting I. This course is planned to help students develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. Topics covered are departmentalized accounting, accounting control systems, general accounting adjustments, corporation accounting, management accounting, cost accounting, and a variety of other accounting systems. Students will develop a comprehensive understanding of the educational training, aptitudes and skills necessary for professional accounting careers. You must be enrolled as a junior or senior and maintain a "B" average to be able to articulate Accounting I and Accounting II credits at Waubonsee Community College.

AP Computer Science Principles (10161A000)
2 Semesters = 1 credit
Prerequisite: Successful completion of Computer Programming
This weighted course offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. Students will be expected to take the Advanced Placement Examination.

Computer Graphics* (10202A002)
1 Semester = 0.50 credit
Prerequisite: Technology Applications/Information II
Grade 10-12
This course covers digital image computer software, progressing from the beginning to the advanced level. Students learn techniques and features, with emphasis on composition and color, through a number of projects. Image scanning, manipulation, editing, repairing and color correction are also covered. This course also includes discussion of how graphic designers and photographers enhance their images. Students use Macintosh platform and digital cameras. This course presents an introduction to computers and their use in the field of advertising design.

Computer Graphics II* (10202A002)
1 Semester = .50 credit
Grade 10-12

**Prerequisite: Computer Graphics I**
This course will explore methods and techniques for drawing and creating computer generated graphics like those used in advertising, marketing, web and traditional promotional communications. Students will add the vector-based Adobe Illustrator software program to their bank of computer skills. This is a project based course recommended for students with interested in advertising, marketing, web design, computer animation and/or graphic design careers.

**Computer Maintenance (10252A001)**
1 Semester = 0.50 credit

**Prerequisite: 2.0 Credits in any PHS computer course.**
Grade 11-12
Computer Maintenance teaches routine maintenance techniques for the microcomputer. They will be introduced to techniques for diagnosing and solving a variety of computer problems involving both hardware and software. They will install software as well as peripheral equipment. Students will practice their skills by helping troubleshoot computer problems as they arise throughout Plano District #88 schools. The work provides a valuable service to Plano District #88 schools while also being a great learning experience for the students themselves.

**Computer Programming (10152A001)**
1 Semester = 0.50 credit
Grade 10-12
Computer Programming is designed to be an introduction to both the text-style programming language of BASIC and the block-style programming language of Scratch. Variables, BASIC statements, logic, loops, nested loops, data files, and flowcharting are some of the topics included in the numerous programs students shall write during the semester. A unit on robotics will also be incorporated into this class. Students will construct robotic models and then program them to accomplish a variety of tasks. Other units studied in this course shall include the binary and hexadecimal numbering systems and logic gates. This course is a required pre-requisite for both Gaming and Advanced Placement Computer Science Principles.

**Consumer Economics (22210A000)**
1 Semester = 0.50 credit
Grade 11
Consumer economics covers many basic economic concepts. It also focuses on the skills needed to succeed at managing personal finances in the future. This course prepares students for living independently. This knowledge provides each student with the tools they need to thrive in the real world. The information covered includes: consumer rights and protections, careers, taxes, budgeting, banking, credit, insurance, automobiles, housing, and basic living needs. This course is required for graduation.

**Consumer Economics (Individual)**
1 Semester = 0.50 credit

**Prerequisite: Must have IEP**
Grade 11
This course covers topics to help the student become an informed consumer including banking, credit, housing, income tax, insurance, advertising and shopping. Effort, ability and individual differences are always taken into consideration when determining grades.

**Gaming (10152A001)**
1 Semester = 0.50 credit

**Prerequisite: Computer Programming**
Grade 11-12
Students enrolled in this class will utilize a programming environment that allows students to learn basic computer science concepts while creating animated movies and simple video games. Students will control the behaviors of 3D objects and characters in a virtual world. The application used in this course will be Alice, an interactive interface developed at Carnegie Mellon University. Students will drag and drop graphic tile to create a program where the instructions correspond to standard statements in a production oriented programming language such as Java and C++.
Independent Computer Projects* (10254A000)
1 Semester = 0.50 credit
Prerequisite: Instructor Approval
Grade 11-12
This one-semester course is designed for juniors and seniors who are committed to pursuing a career in the field of computer technology. This course uses knowledge from previous technology courses such as Computer Maintenance, Computer Programming, Gaming, or AP Computer Science Principles to narrow down students’ interests and prepare them for college. A student may choose more in-depth study of topics such as advanced computer maintenance, networking, an additional computer programming language such as Python, or the creation of a technology makerspace project. Both the college-bound and vocational-oriented student will benefit from this course. This class may be repeated.

Microsoft Office Specialist (10005A001)
2 Semesters = 1.0 credit
Prerequisite: Technology Application/Information Processing I and II
This course builds upon the word processing, spreadsheet and presentation skills obtained in Technology Applications and takes students to the next level. The primary focus of this course will be the advanced exploration and utilization of Microsoft Word, Excel and PowerPoint. Students will be prepared and presented with the opportunity to take the Microsoft Office Specialist (MOS) certification exam at the end of the course. In the worldwide job market, Microsoft Office Specialist (MOS) certification is highly regarded and is the primary tool companies use to validate the proficiency of their employees in the latest productivity tools and technology, helping them select job candidates based on globally recognized standards for verifying skills. Both college-bound and vocationally-oriented students benefit from this course.

Multi-Media/Webpage Production (10202A001)
2 Semesters = 1.0 credit
Prerequisite: Computer Graphics, Signed Acceptable Use Policy for Internet
Grade 10-12
In this course students will develop an understanding of the techniques and technologies used in various multimedia fields and applications. Instruction will include hands-on skills involving graphic design, digital video production and Web publishing. Students will use various hardware peripherals and software such as PowerPoint, iMovie, GarageBand and iWeb for completing projects.

Technology Application/Information Processing I* (12005A001)
1 Semester = 0.50 credit
Technology Application/Information Processing is the first level in a student’s computer/office careers education. This course introduces students to the hardware components of a computer system and word processing software, allowing them to develop keyboarding skill and formatting specific documents (letters, tables, reports, forms) which require decision-making regarding acceptability, arrangement and English usage. Additional content includes a basic understanding of punctuation and proofreading, online information available via the Internet and learn key aspects of using the Internet. Instruction will emphasize proper keyboarding technique and speed-building. Students will develop an ethical work behavior, positive working relationships with others, and responsibility for their own work.
This course is required for graduation.

Technology Application/Information Processing II* (10004A001)
1 Semester = 0.50 credit
Prerequisite: Technology Application/Information Processing I
Technology Application/Information Processing II builds on the concepts of Technology Application/Information Processing I. Students develop an awareness and understanding of the application of information processing concepts, software and equipment to accomplish tasks typically performed in computer/office/business careers. Instruction in this course focuses on building word processing skills, exploring and utilizing spreadsheet, database, and presentation software. This course is required for graduation.

Family Consumer Science (FCS) Courses
Child Development (19052A001)

2 Semesters = 1.0 credit

This class emphasizes learning experiences to help students gain knowledge and understanding of the intellectual, physical, social and emotional development of children from conception through early childhood. First semester will include many hands-on projects for reproduction and prenatal development including the electronic baby. Second semester offers the opportunity to develop a positive understanding of the growth and development of children and parenting skills. Projects then will focus on the development of children and include planning for age-appropriate activities and observation of children. It is beneficial to both the future parent and for those interested in child-related careers.

Baking and Pastry Arts (16054A002)

1 Semester = 0.5 credit
Prerequisite: Culinary Boot Camp

Do you enjoy watching “Cake Boss” or the creative side of cooking? Students in this course will apply the food science principles learned in the pastry arts classroom as they prepare a variety of recipes in the lab. Areas of interest are quickbreads, yeast breads, cookies, cakes, cake decorating, pies, pastry and specialty desserts. The focus is on all aspects of food prep, sanitation, basic and advanced techniques matched to the student’s ability, creativity, recipe development and presentation.

Culinary Boot Camp (16054A002)

2 Semesters = 1 credit

Interested in learning how to cook? Whether your plan is cooking to survive or practicing to become a professional chef, this class is a great opportunity to develop lifelong culinary skills – and eat what you made in class! Food science principles and culinary techniques are applied as students prepare a variety of recipes in the lab. Career exploration in related fields of study will be incorporated along with a focus on the diet structured according to the MyPlate.gov and RDA recommendations.

Global Foods (16054A002)

1 Semester = 0.5 credit
Prerequisite: Culinary Boot Camp

Go on a culinary tour of the world! In this course, students will prepare foods from the United States, Italy, Mexico, France, China, Germany and more. This course will provide the student the opportunity to experience how food and its preparation varies by region and by country. Students will also learn about grilling & cooking to entertain.

Applied Technology

Introduction to Applied Technology (21052A002)

1 OR 2 semesters = 0.5 – 1.0 Credit
Grades 9-12

This course is a modular class dedicated to students interested in technology that revolves around the Paxton-Patterson Action Lab (PAL) stations. Students move through 15 different modules over the course of 2 semesters and learn the basics of how each module applied to their daily lives. The class is full of enjoyable activities with a hands-on based approach. The modules include activities like racing a CO2 car, designing a virtual house, launching a rocket, wiring a circuit, 3D printing an object, or even controlling a robot. Please ask a guidance counselor for more information on each module.

Engineering Design (21054A001)

2 Semesters = 1.0 Credit
Grades 10-12
Prerequisite: 2 Semesters of Introduction to Industrial Technology. “C or better” is preferred

In this course, students will access open-ended real-world design problems, and use brainstorming tips, teamwork strategies, research links, and media to solve it. Engineering design problems will challenge students to think, build, and act like an engineer. While this is only part of the course, the other portion is based around Paxton-Patterson Career Plus (CP) module stations. In different Units (Alternative Energy, Construction Technology, Environmental Technology, CAD Drafting, 3D Printing, and Woodworking) students work in teams to explore an open-ended problem,
imagine solutions, collaborate, and create a final project. The class is full of enjoyable activities like using a solar panel, exploring acid rain effects, working with a laser level, and taking an in depth approach at AutoCAD

**Architectural Drafting I and II (21102A001)**
1 or 2 Semesters = .5 or 1.0 Credit
Grades 10-12
*Prerequisite: 2 Semesters of Introduction to Industrial Technology. “C or better” preferred*
This is a one or two semester course created for students with an interest in pursuing a career in Architecture. The course covers general architectural techniques, history of architecture, home styles, construction methods, and planning and drafting floor plans. Using various drafting tools and techniques from traditional board drafting to Computer Aided Drafting (CAD) students will have to become an Architect and produce a set of residential drawings (floor plans, elevation drawings, foundation plans, roof plans, and site plans) from a client’s description. The main objective of this class is to learn the fundamentals of Architecture through correct instruction, guidance, and practice to become a chief architect.

**Independent Study Drafting and Design**
1 Semester = .5 credit
Grade 12
*Prerequisite: 2 semester of ALL Applied Technology courses and Instructor recommendation.*
This one semester course is designed for seniors who are committed to an Architecture or Engineering college career. This class uses previous knowledge from the previous courses to narrow down their interests and prepare them for college. It takes basic AutoCAD skills and uses them in Engineering program Inventor and Architectural program Revit. Here students design and create 3D houses and parts with ease.

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**Indian Valley Vocational Center (IVVC)**

**Auto Body Repair (20116A001)**
2 Semesters = 4.0 credits
**See Priority Rating on Page 11**
Grade 11-12
A comprehensive program of collision repair and automotive paint refinishing. Safety practices and safety equipment, as well as EPA standards, will also be addressed and followed. **First year students** will get a basic knowledge of collision repair and refinishing procedures. **Second year students** will get advanced training on frame and structural repair. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

**Automotive Technology (20104A001)**
2 Semesters = 4.0 credits
**See Priority Rating on Page 11**
Grade 11-12
Students enrolled in Auto Technology at IVVC will learn how to service and maintain high tech vehicles by way of classroom instruction and lab work. First year students will learn the fundamentals of safety, lubrication, tire and wheel servicing, engine design, and automotive braking systems. Approximately 80% of their time spent in the shop watching demonstrations and repairing live vehicles. Second year students move on to diagnostic functions on the car’s computer systems, engine theory, and also perform alignments using our state-of-the-art equipment. All students have the opportunity to learn how to provide service writer and parts person functions as the IVVC shop strives to provide a professional shop-like atmosphere. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

**Computer Technology (Maintenance & Repair) (10152A001)**
2 Semesters = 4.0 credits
**See Priority Rating on Page 11**
Grade 11-12
State of the art program in computer maintenance and installation. Students work with hardware and software in a “real world” environment to maintain PCs and printers at IVVC. They also do maintenance work for other schools. New computer setup, purchase and evaluation are also a part
of the course. Students will explore wire and wireless networks. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

**Computer Technology (Programming & Gaming Technologies) (10152A001)**
2 Semesters = 4.0 credits
*See Priority Rating on Page 11*
Grade 12
**Senior only** students will be introduced to the concepts associated with writing code and understanding programming languages. Students enrolled in this class will utilize a programming environment to learn basic computer science concepts which will enable them to design and create video games, and code programs that will do a variety of different tasks. While designing their own games, students will be expected to explain and analyze design creation and technique. Team projects may be expected as well as classroom presentations.

**Construction Technology (17002A001)**
2 Semesters = 4.0 credits
*See Priority Rating on Page 11*
Grade 11-12
This program offers a 90% hands-on experience in most phases of residential construction, including safety, building codes, blueprint reading and estimating/scheduling, as well as the latest in construction techniques. Concrete work and landscaping fundamentals will also be explored. **Second year students** are given the opportunity to obtain an internship working for an employer during school hours. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

**Cosmetology (19101A001)**
2 Semesters = 4.0 credits
*See Priority Rating on Page 11*
Grade 11-12
This is a 1,500 hour program contracted through Hair Professionals Career College, offered at their Oswego or Sycamore site or Debutantes School of Cosmetology & Nail Technology in DeKalb. Completers will have earned up to 1,000 hours towards the state licensing requirements for hairdressers during the two year program.

**Criminal Justice (15051A000)**
2 Semesters = 4.0 credits
*See Priority Rating on Page 11*
Grade 11-12
This program is designed for students with an interest in criminal law, constitutional law, case law, juvenile law, crime scene investigation, court procedures, corrections, and social reform. Possible career interests could relate to the areas of law, the corrections field, criminal and crime scene investigation, probation/parole work, politics, and social work, just to name a few. Students will be challenged to read academic material and write essays and reports regularly. This class will be modeled after the community college Criminal Justice curriculum and prepare students for college level course work. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness.

**Culinary Arts (16052A001)**
2 Semesters = 4.0 credits
*See Priority Rating on Page 11*
Grade 11-12
The IVVC Culinary Arts program offers students a hands-on experience of the restaurant industry. They will learn how to operate a catering and quick service restaurant business. Developing strong knife skills, organizational techniques, sanitation fundamentals and understanding the flavor profiles of ingredients are core principals of the course. Students will gain real world expertise to help them
meet the demands of the modern restaurant industry. Course expectations will require the use of basic math skills along with developing public speaking and presentation techniques. Labs will require the ability to work well with others in a fast paced kitchen environment.

IVVC Culinary Arts classes use the ProStart program, developed by the National Restaurant Association Educational Foundation, a two-year curriculum designed to teach high school students the management skills needed for a career in the restaurant and food service industry. Students enrolled in Culinary Arts will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

**Drafting & Design (21006A001)**

2 Semesters = 4.0 credits

See Priority Rating on Page 11

Grade 11-12

Look around. Most everything you see - from the cell phone you use to the car you drive to the buildings you walk through - has to be designed. Design is an important step in the process from idea to reality, and students in this class learn to use creativity, problem solving, and technical skill to make this happen. Students will experience hands-on projects in the fields of architecture, engineering, interior design, and computer-aided drafting (CAD). In addition, Mythbuster Mondays give the students a chance to brainstorm, build, and test ideas. Students in this program are expected to participate in routine activities on a daily basis that foster the development of movement skills and enhance health-related fitness.

First semester, students will be exposed to the engineering careers while taking Project Lead the Way's foundation course Introduction to Engineering Design (IED), with college credit possible. In this course, students use 3D solid modeling design software to design solutions to proposed problems. Students will learn to document their work in an engineering notebook and communicate solutions to peers and professionals. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

Second semester, students will explore careers such as architecture, interior design, and other design related careers. You will learn to design a house and a set of construction documents that look professional, redecorate a room from floor to ceiling in your own style and theme, and other real world projects.

**Graphic Design & Digital Technology (1154A001)**

2 Semesters = 4.0 credits

See Priority Rating on Page 11

Grade 11-12

Become part of the next generation of digital design! The world is full of images and words and Graphics is that world. Take your creativity to a new level using professional design skills. Use Adobe software (Illustrator, InDesign, and Photoshop) to turn your creative ideas into a reality. Field trips and projects will introduce you to packaging, animation, college life, marketing, printing and more. Find out what it takes to create a cutting edge brand. We operate Tee-Rex Graphics Custom Wear, our very own T-shirt printing business. Get experience designing and printing T-shirts, then feel the satisfaction of seeing them worn by other IVVC students. Be a digital photographer and learn how to take portraits, make an iMovie or shoot a video. During this class students will volunteer, produce work for a charity, and enter work in a competition, as well as do projects for other schools and the community. Students will make a final portfolio for college visits. Art or computer experience is helpful, but not a requirement.

**Health Occupations- Exploring Medical Careers (14002A002)**

2 Semesters = 4.0 credits

See Priority Rating on Page 11

Grade 11-12

Do you want a career in the medical field? Do you want to learn more about what careers are available? This course is for junior and senior students who are interested in exploring medical careers in an applied life science skill format. The curriculum provides hands-on learning opportunities involving body systems and medical careers. Students will learn basic medical procedures associated with the health profession, including performing vital signs, injections and blood draws on a training arm. Students will also be able to job shadow at local medical facilities to see what a career in the medical field really entails. The students will obtain their CPR certification, along with basic first aid training. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and
healthy living affect workplace performance and success.

**Early Childhood Development (19054A001)**
2 Semesters = 4.0 credits
See Priority Rating on Page 11
Grade 11-12
Do you enjoy working with children? The Early Childhood Development program offers students excellent opportunities to work with 3, 4 and 5-year old children. This class offers hands-on experiences teaching children in our preschool lab setting. All students experience planning and teaching activities in the areas of art, science, language, math and Pre-K skills geared to the development of the preschool age child. Second year students have internship opportunities in local pre-, elementary, and junior high schools available to them. This course also utilizes the Gateways to Opportunity program, which gives the students the opportunity to earn an ECE Credential Level 1 Certificate. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.

**Emergency Medical Technician- Basic EMT (14055A001)**
2 Semesters = 4.0 credits
See Priority Rating on Page 11
Grade 12
This senior only course covers the basics of emergency medical care training. Topics include medical terminology, legal and ethical aspects of medicine, patient assessment of medical and trauma patients, vital signs, communication, documentation skills, CPR, bandaging of patients and other medical procedures. Upon completion of EMT Basic, the student will have the knowledge and training necessary to take the EMT Basic Competency Exam which allows for certification from the Illinois Department of Public Health. Students must be 18 years of age to test. The students are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. Students will learn how physical fitness and healthy living affect workplace performance and success. *(Students interested in a Fire Department/EMT career should consider taking IVVC Fire Science their junior year and then EMT their senior year. Most fire departments require this dual certification.)*

**Fire Science (15152A001)**
2 Semesters = 4.0 credits
See Priority Rating on Page 11
Grade 11-12
First year students—Basic Operations Firefighter: This course covers the subjects required by the Office of the State Fire Marshal for certification at the Basic Operations Firefighter level. Students will take part in classroom lectures, demonstrations, hands-on practice on individual skills, training responses that incorporate these individual skills into fire ground evolutions through the use of various props and structures. This program also covers Technical Rescue Awareness, Fire Service Vehicle Operator, Hazardous Materials Awareness, and Courage to be Safe. First year students will also become CPR certified.

Second year students—Advanced Technician Firefighter: Second year students begin the year working on all the required course work to obtain their Advanced Technician Firefighter certification. Some of the hands-on skills include R.I.T. evolutions, radio communication drills, forcible entry, ventilation, and assisting Technical Rescue Teams. Students will also complete the Vehicle Machinery Operations class.
Both classes are offered at the Sandwich Fire Station. First and second year students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. Students will learn how physical fitness and healthy living affect workplace performance and success.

**Health Occupations- CNA (Certified Nurse Assistant) (14051A001)**
2 Semesters = 4.0 credits
See Priority Rating on Page 11
Grade 12
This course is for SENIORS ONLY who are interested in becoming Certified Nurse Assistants. The Exploring Medical Careers class is not a
prerequisite for this class; however, approval from IVVC and the home school may be required. This course follows the guidelines of the Illinois Department of Public Health to achieve a certificate as a Certified Nurse Assistant. Forty hours of hands-on clinical time is required. A fingerprint criminal background check is also required. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success.

**Law Enforcement (15051A003)**

*2 Semesters = 4.0 credits*

*See Priority Rating on Page 10*

**Grade 11-12**

This course is designed for the student who is wishing to explore a career in law enforcement. The curriculum follows the certified Illinois State Police Basic Training used by Illinois Police Academies. **First year students** will be studying criminal law, vehicle code, and case law in the first semester and learning how to investigate crimes, process a crime scene, and execute arrests in the second semester. At the conclusion of the first year, students should be able to correctly investigate a crime, make an arrest, complete booking and arrest reports, and testify in court. **Second year students** will be leading class discussions, composing in-depth research projects, assuming a supervisory role with first year students, and planning weekly training. All students will engage in defensive tactics, officer safety skills, firearm safety using simulators and dynamic scenarios utilizing the most modern air soft and paintball techniques. Guest speakers include Secret Service, FBI, DEA, and SWAT to name a few. Field trips may include jails, police academies, military facilities and police departments. Students may be required to submit to random drug testing and a background check in order to be involved with any hands-on activities. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. Students will learn how physical fitness and healthy living affect workplace performance and success.

**Sports Management/Sports Medicine (14062A001)**

*2 Semesters = 4.0 credits*

*See Priority Rating on Page 10*

**Grade 11-12**

**Prerequisite:** C or higher in Biology class at home school.

This course introduces students to professions in Sports Medicine and Sports Management, including Athletic Training, Physical Therapy, Personal Training, Coaching, Massage Therapy and the Fitness/Wellness industries. The instructor is an Illinois licensed Certified Athletic Trainer with over 16 years experience in the field. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success.

**Sports Medicine/Management I:** Primarily focuses on the anatomy of the skeletal and muscular systems, injuries to those structures, rehabilitation protocols, concussion recognition and management, as well as taping techniques. Sport Management topics are explored through several different projects. First year students are **required** to perform 15 hours of professional job shadowing outside of regular IVVC class time.

**Sports Medicine/Management II:** Students who meet all prerequisites may have an opportunity to participate in IVVC's internship program. Second year students should have a strong desire to continue their education in this field after high school. Second year students are required to assist with first year students, as well as manage class work with their internship schedule.

**Welding & Fabrication (13207A001)**

*2 Semesters = 4.0 credits*

*See Priority Rating on Page 10*

**Grade 11-12**

This course is designed for students who are ready to challenge themselves and become the welders and metal fabricators of tomorrow. Various welding and cutting processes are taught throughout the year and students will demonstrate these skills through hands-on activities in the shop. Production strategies and lean manufacturing skills are demonstrated, giving the students a taste of the real-world and what makes a successful business. **First year students** are challenged in flat and horizontal welding positions while **second year students** learn how to weld in the vertical and overhead positions. Employability, which emphasizes their professional conduct, is a significant portion of the student’s grade. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness.
Miscellaneous Course

WCC Class Option (22999A000)
1 Semester = 0.50 credit
Prerequisite: Grade 12; Must be eligible to graduate
Class for seniors that wish to take college level course through Waubonsee Community College. Will not count towards GPA. Students will receive dual credit for the course.

Resource
1 semester= .5 Elective Credit
Students are given specialized and direct academic, behavioral, and social-emotional support to ensure success in the educational setting.
Prerequisite: Placement by educational team recommendation only. May be repeated for credit.

English Enrichment I - (Grades 9-10)
1 Semester = .5 Elective Credit
Students will receive small group and individualized academic support. There will be a heavy emphasis on foundational vocabulary, grammar, reading and writing skills found in language intensive courses such as English and History. The student will receive an elective credit for the course.
Prerequisite: Educational team recommendation required. May be repeated for credit.

English Enrichment II - (Grades 11-12)
1 Semester = .5 Elective Credit
Students will receive small group and individualized academic support. There will be a heavy emphasis on foundational vocabulary, grammar, reading and writing skills found in language intensive courses such as English and History. The student will receive an elective credit for the course.
Prerequisite: Educational team recommendation required. May be repeated for credit.