Genoa-Kingston High School
Community Unit School District #424

2020-2021
Curriculum Guide
Version 3
4.16.20
*PLEASE NOTE: Changes to the course book may occur based on legislation from the Illinois State Board of Education. An updated version of the course book will be posted when changes occur. Please be sure to refer to the most recent version.
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Genoa-Kingston High School
980 Park Avenue
Genoa, Illinois 60135-1423
www.gkschools.org

2020-2021 School Profile
Genoa-Kingston High School (GKHS) is a comprehensive high school serving students grades 9-12 from the communities of Genoa and Kingston, Illinois. GKHS is located in the northern section of DeKalb County. GKHS operates on an 8-block schedule; over the course of two days, students take eight academic courses. Class periods are approximately 80 minutes in length, and each day includes one 30-minute academic enhancement period.

Grade Weighting:
Grades in all classes taken through GKHS are used to calculate GPA. Transfer grades that are deemed acceptable from other certified high schools are included in determining class rank. Classes are averaged, and GPA is determined according to the following evaluations.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Weighted Points</th>
<th>Standard Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>99-100</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>A</td>
<td>92-98</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>A-</td>
<td>90-91</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>B+</td>
<td>88-89</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>82-87</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>B-</td>
<td>80-81</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>C+</td>
<td>78-79</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>C</td>
<td>72-77</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>C-</td>
<td>70-71</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>D+</td>
<td>68-69</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>62-67</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>D-</td>
<td>60-61</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>59 and under</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Genoa-Kingston High School does NOT rank.
Weighted grades are included in determining GPA, honor roll, high honor roll, National Honor Society, etc.

Honor Roll: GPA:
High Honor Roll: 3.800-4.000+ and no C’s, D’s, F’s or more than two B’s
High Honor Roll: 3.000-3.799 and no D’s, F’s or more than two C’s

Weighted Courses:
The following courses are considered to be of unusual difficulty and that are college preparatory are assigned weighted grades.

- English 100 Honors
- English 200 Honors
- AP Language
- AP Literature
- Algebra 2 (PRIOR to 2019-20 school year only)
- Trig/Pre-Calculus
- Calculus
- AP Calculus
- Chemistry (PRIOR to 2019-20 school year only)
- Honors Chemistry (new course in 19-20 school year)
- AP Biology
- AP Environmental Science
- Physics
- AP U.S. History
- Spanish 350
- Spanish 450
Graduation Requirements

The Board of Education has specified certain requirements that must be met in order to graduate from Genoa-Kingston High School. These requirements must be successfully completed before a diploma is awarded.

All students must earn **25 credits AND an additional 3½ Physical Education (PE) credits**

### Required Courses

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>4 credits</td>
</tr>
<tr>
<td><strong>Mathematics</strong> (1 year of Algebra &amp; 1 year of Geometry)</td>
<td>3 credits</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>3 credits</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>2 credits including:</td>
</tr>
<tr>
<td>World Cultures</td>
<td>½ credit</td>
</tr>
<tr>
<td>American Government/Civics</td>
<td>½ credit</td>
</tr>
<tr>
<td>American History</td>
<td>1 credit</td>
</tr>
<tr>
<td><strong>Health</strong></td>
<td>½ credit</td>
</tr>
<tr>
<td><strong>Digital Literacy</strong></td>
<td>½ credit</td>
</tr>
<tr>
<td><strong>Consumer Economics</strong></td>
<td>½ credit</td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>3½ credits</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>1 credit (1 year)</td>
</tr>
<tr>
<td>- Art</td>
<td></td>
</tr>
<tr>
<td>- Music</td>
<td></td>
</tr>
<tr>
<td>- Foreign Language</td>
<td></td>
</tr>
<tr>
<td>- Vocational Education (Agriculture &amp; Horticulture, Business &amp; Technology, Family &amp; Consumer Sciences, Industrial Design, Career Technical Education (KEC CTE))</td>
<td></td>
</tr>
</tbody>
</table>

⇒ Students must complete **ONE YEAR within one of the elective areas listed above**

### Additional Graduation Requirements

<table>
<thead>
<tr>
<th>FAFSA</th>
<th>Seniors must file (effective 2020-2021 school year)</th>
<th>Community Service Hours</th>
<th>25 hours (required for class of 2023 and beyond)</th>
</tr>
</thead>
</table>

### College/University Admissions Requirements

Recommended minimum requirements for most public state universities and private colleges

<table>
<thead>
<tr>
<th>Subject</th>
<th>Minimum Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 years</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3 years (4 strongly suggested)</td>
</tr>
<tr>
<td>Science (laboratory sciences)</td>
<td>3 years (4 strongly suggested)</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3 years</td>
</tr>
<tr>
<td>Fine Arts (foreign language, music, or art)</td>
<td>2 years (2 years of foreign language suggested)*</td>
</tr>
</tbody>
</table>

⇒ Some colleges do not require foreign language for admittance, but will require you to take foreign language to graduate.

Each college/university is different. Always consult with the school!
Student Services Contact Information

Please contact your assigned counselor if you have questions or want to schedule an appointment.

Phone: 815-784-5111

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Phone Extension</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maria Miranda</td>
<td>Guidance &amp; Athletic Director Secretary</td>
<td>1717</td>
<td><a href="mailto:MMiranda@gkschools.org">MMiranda@gkschools.org</a></td>
</tr>
<tr>
<td>Christy Fraticola</td>
<td>Counselor – Last Names: A-L</td>
<td>1724</td>
<td><a href="mailto:Cfraticola@gkschools.org">Cfraticola@gkschools.org</a></td>
</tr>
<tr>
<td>Emily Schiro</td>
<td>Counselor – Last Names: M-Z</td>
<td>1718</td>
<td><a href="mailto:Eschiro@gkschools.org">Eschiro@gkschools.org</a></td>
</tr>
<tr>
<td>Shannon Mansfield</td>
<td>Social Worker</td>
<td>1721</td>
<td><a href="mailto:SMansfie@gkschools.org">SMansfie@gkschools.org</a></td>
</tr>
</tbody>
</table>

Please check the Counseling website for updates and events: gkcounseling.weebly.com
Course Sequence – MATHEMATICS

Sequence 1
- Algebra A
- Algebra B
- Geometry 1 or Fund. of Geometry
- Fund. of Algebra 2 or Applied Math

Sequence 2
- Fundamentals of Integrated Algebra
- Fundamentals of Geometry
- Fundamentals of Algebra 2
- Applied Math

Sequence 3
- Integrated Algebra
- Geometry
- Algebra 2
- Trig./Pre-Calc, Applied Math, or Foundations in College Math

Sequence 4
- Geometry
- Algebra 2
- Trig./Pre-Calc
- Calculus, AP Calculus, Foundations in College Math, or Statistics

Sequence 5
- Algebra 2
- Trig./Pre-Calc.
- Calculus
- AP Calculus or Statistics

Course Sequence – SCIENCE

Sequence 1
- Conceptual Earth & Physical Science
- Conceptual Chemistry
- Conceptual Biology
- Physics, AP Environmental, or AP Biology

Sequence 2
- Earth & Physical Science
- Chemistry
- Biology or AP Biology
- Physics, AP Environmental, or AP Biology

Sequence 3
- Earth & Physical Science
- Honors Chemistry
- Biology or AP Biology
- Physics, AP Environmental, or AP Biology
Policies Regarding Courses and Placement

Course Offerings in Curriculum Guide:

**Please be advised that some course offerings, although listed in this curriculum guide, may NOT be offered each year. Consult with your counselor during registration to inquire as to whether or not courses you are interested in will be offered in the upcoming school year.**

Placement in Freshmen courses:

Except as indicated elsewhere in this guide, as a general rule, initial placement in freshmen courses will be based on a combination of student performance in 8th grade classes, academic tests, state testing, and teacher recommendation as articulated between the high school and the middle school.

Freshmen will have a mostly pre-determined schedule within the freshmen pathway:

- 1 credit of English
- 1 credit of Math
- 1 credit of Science
- 1 semester of World Cultures and 1 semester of Health
- 1 credit of PE
- 1 semester of Digital Literacy and 1 semester of Driver’s Ed (if eligible for Driver’s Ed)
  - OR 1 semester of a Social Studies elective and 1 semester of Digital Literacy
- 1 credit of Spanish 150
  - OR 1 credit Art 150
- 1 credit of Band or Choir
  - OR 1 credit of other elective

Placement for Core Academic Courses (English, Math, and Science):

Course placements for core academic areas (English, Math, and Science), with the exception of upper level and Advanced Placement Courses as well as elective courses, will be based on teacher recommendation. If students believe they need to be in a different level within a subject area, they need to consult their teacher, who will provide a recommendation to their counselor for placement.

Course load:

All freshmen, sophomores, and juniors must register for 8 credits each year (4 per semester).

Students taking Advanced Placement, KEC, Kishwaukee College Engineering Math and Science Academy (EMSA), or Co-Op/On the Job courses may earn less than 8 or more than 8 credits per year depending on the program.

Seniors who are tracking below minimum graduation requirements will be required to take 8 credits their senior year (or more depending on their credit deficiency). Seniors tracking to have well-above the minimum graduation requirements may be offered an early release or late arrival in their senior year schedule, making it possible to have less than 8 credits in their schedule.

Prerequisites:

A prerequisite may be a course, a grade in a course, or a year in school. If a course has a prerequisite, it will be listed just below the course name in this guide. Students must meet the prerequisites required for a course before they are allowed to enroll in it.
Consumer Economics Education Requirement:

The State of Illinois requires that all high school graduates possess minimum competencies in the area of Consumer Economics at Genoa-Kingston High School. This competency can be shown in one of two ways:

1.) Successfully completing the semester course of Consumer Economics.
2.) Successfully completing the full year course of Agricultural Business.

College Courses, Dual Credit, and Dual Enrollment:

**Dual Credit:** College courses taken while still attending high school in which a student earns both high school AND college credit. Students will work with the Student Services Office in enrolling for these courses. This includes KEC courses and college classes offered at GKHS.

**Dual Enrollment:** College courses taken while still attending high school in which a student earns ONLY college credit. Students are responsible for their own enrollment and ensuring that their desired college classes do not interfere with their regular high school course schedule. Additionally, there are some Kishwaukee College classes that have been approved as qualifying for dual credit (see below).

The following college courses can be taken for high school AND college credit:

- English Composition I
- English Composition II
- Speech
- Calculus II
- Calculus III
- Physics II
- Psychology
- Engineering-Statics

In order to enroll in college courses for dual credit OR dual enrollment, students must meet college enrollment criteria. Specifically, students cannot have received any Fs in the previous semester and must have a cumulative GPA of 2.0 or higher unless special permission is obtained. Additionally, college courses must be approved using a G-K College Course Enrollment Permission Form from the Guidance Office. See your counselor if you are interested in taking college courses.

College courses will not be weighted unless the course is weighted at Genoa-Kingston High School and it’s equivalent has/will not be taken at the high school (for example, if a college course will be their senior year math course). Any students enrolled in EMSA through Kishwaukee College will have each of those courses weighted if they choose to enter them onto their high school transcript.

Please be advised that not all colleges/universities accept dual credit courses for college credit. It is advised that if students do not need the high school credits, they should leave them off their high school transcript. When applying to colleges, students will be sending an official high school and college transcript as part of the application process.

In order for students to have dual credit classes listed on their high school transcript, official transcripts from the college need to be submitted to Mrs. Miranda (Student Services Secretary).
If you have signed up for the dual credit classes being offered next semester, these are the steps you must complete to confirm your enrollment. Please see your counselor if you have any questions regarding this process.

1. **Fill out the Student Information Form** as soon as possible at [https://kish.edu/student-information-form#step-1](https://kish.edu/student-information-form#step-1)
   a. This must be completed before you can take the Accuplacer placement test.

2. **Determine your placement:**
   a. Placement may be determined by ACT or SAT scores, cumulative high school G.P.A., and/or taking the ACCUPLACER placement test. Ultimately, Kish College will determine if a placement test is needed or not based on your transcript.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>ACT minimum score</th>
<th>SAT minimum score</th>
<th>Cumulative High School G.P.A (after 5 semesters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 100</td>
<td>Speech</td>
<td>ACT English Score- 19, OR ACT Composite Score- 19</td>
<td>SAT Reading &amp; Writing Score- 480</td>
<td>3.5+ (on a 4.0 scale)</td>
</tr>
<tr>
<td>ECO 260</td>
<td>Principles of Macroeconomics</td>
<td>No specific placement/testing needed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 103</td>
<td>Composition I</td>
<td>ACT English Score- 19, OR ACT Composite Score- 19</td>
<td>SAT Reading &amp; Writing Score- 480</td>
<td>3.5+ (on a 4.0 scale)</td>
</tr>
<tr>
<td>PSY 102</td>
<td>Introductory Psychology</td>
<td>No specific placement/testing needed.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. **Take the placement test** (if needed), before the start of the class
   a. Schedule the Accuplacer on your own by contacting the Kishwaukee College Enrollment Services at (815) 825-9514 to schedule a placement test appointment on Kish’s campus. Appointments are typically available Mondays-Thursdays at 9 AM, 12 PM, and 2 PM.
   b. A photo ID is required for testing
   c. Here is a link to tips for preparing for the Accuplacer test and other testing information: [https://kish.edu/services-testing-services/placement](https://kish.edu/services-testing-services/placement)

4. **Complete the registration form** and return to the Guidance Office before the start of the classes (please see attached)

5. **Pay for your courses**
   a. This can be done with Mrs. Butler in the Front Office. Cash or checks made at to GKHS will be accepted.
Registration/Schedule Creation and Schedule Change Process

Once registration forms are submitted, counselors review the students’ schedule requests and put together schedules based on students’ course requests and teacher recommendations for placement.

- Although course requests are taken into consideration during the scheduling process, student schedules are determined by the counselors. In this way, students will not always have classes they want or choose for themselves. Students are sometimes placed in courses that best fit their schedules.

- After registration forms are submitted, students can not make changes. Their schedules, once created by their counselor, will be final. *(There are a few exceptions to this rule. See below for specific criteria for schedules change requests.)*

  o Schedule change requests can be considered for the following reasons:
    - Teacher recommendation
    - Incorrect placement (e.g., levels, repeat courses)
    - For some elective course changes (if the desired elective is offered the same period and if class size allows for it).
  
  o Counselors can not change student schedules to fit an elective if it requires moving other academic courses.
  
  o Full year courses can not be dropped at semester. If students register for a full year course, they must be enrolled in that course for the full academic year.
  
  o Switching PEs is not permitted (exceptions are sometimes made for extenuating circumstances).
  
  o Switching subject area teachers is not permitted. This includes PE and core subject areas (English, math, science, etc.).

Predetermined Schedule Change Periods

There will be a predetermined schedule change period before the start of the school year; a spring semester schedule change period may also be offered. Any schedule change requests must be made during this designated time, *following the procedures set forth by the principal and Student Services team.* Only requests made that meet specific scheduling criteria (as discussed in the above bullet points) will be considered.

➔ Please note, these schedule change periods are only times schedule change requests will be considered. NO CHANGES WILL BE MADE TO SCHEDULES AFTER THE DESIGNATED TIME FRAMES SET.

** Student Services staff reserve the right to change student schedules at any time without student and parent/guardian consent. Reasons why this may occur include balancing class sizes, teacher placement, and so forth.
NCAA Freshmen Eligibility Standards

National Collegiate Athletic Association (NCAA) publishes and enforces specific guidelines governing eligibility for athletic scholarships at colleges and universities. The NCAA judges coursework of high school students and determines whether it meets the requirements for a scholarship. Some general information is included below, however please visit http://www.ncaa.org/student-athletes/future/academic-standards-initial-eligibility for complete info on eligibility for Division 1 and Division II. Division III institutions have their own standards for admission; please refer to the individual college or university for this information.

General Division 1 and II info:

NCAA Core Courses
16 core courses are required for NCAA Division I and NCAA Division II.

Test Scores
- Both SAT and ACT test scores are accepted for NCAA purposes
- Division I and Division II have sliding scales for test scores eligibility that factor in grade point average.
- All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores that appear on transcripts are NOT accepted. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the eligibility center.

NCAA Grade point average
- Only core courses are used in the calculation of the grade-point average.
- Be sure to look at Genoa-Kingston High School’s list of NCAA-approved core courses on the Eligibility Center Web site to make certain that the courses being taken have been approved as core courses. The web site is www.ncaa.org.
- The list of approved courses is also available in the Guidance Office as well as through this Coursebook.

NCAA Other Important Information
*Amateurism: To be a Division I or II athlete, you must receive an amateurism certification determining that you are of amateur status. Students registering with the NCAA Eligibility Center will complete the amateurism questionnaire through the eligibility center web site. Students need to request final amateurism certification prior to enrollment at their college or university where they intend to play Division I or II sports.

For more information regarding the rules, please go to www.ncaa.org or call the NCAA Eligibility Center if you have questions: toll-free number: (877) 262-1492
ENGLISH
(4 credits REQUIRED)

Functional English 9, 10, 11, 12
Counselor Placement 1 year - 1 credit
This sequence of courses is designed to develop basic reading and writing skills and their applications to real life situations. Students will work on written expression and reading comprehension for a variety of purposes with a focus on preparing for independent living. Each course continues the instruction at the student’s level from the previous course.

Integrated Reading 9, 10, 11, 12/ Reading A, B, C
Counselor Placement 1 year - 1 credit
READING (Read 180 and System 44)
Read 180 and System 44 are intensive reading intervention programs designed to assist struggling readers in moving toward grade level in reading skills. The course activities focus on expanding vocabulary skills, improving comprehension skills, and strengthening listening, viewing, speaking, and writing skills. Students will learn reading strategies to use with a broad range of fiction and nonfiction texts and respond orally and in written form. They will further develop academic writing skills by improving language mechanics and grammar usage.

BASIC ENGLISH 9/10
Pre-requisite: Teacher or counselor recommendation and test scores at least two years below grade level 1 year—1 credit
This English class has been designed specifically for students who do not have regular English because of significant deficits in reading and writing skills. The class is slower-paced and uses a focused, hands-on approach. While being a reading intensive course, students in Basic English 9/10 will be expected to read works ranging from the traditional essay to short stories, dramatic theater, and full-length novels. This course will also help students practice their communication skills through oral readings, presentations, group discussions, and essay writing.

BASIC ENGLISH 11
Counselor recommendation and test scores at least two years below grade level 1 year—1 credit
Content for this course includes, but is not limited to, building an understanding of proper sentence structure/composition, practicing reading strategies for non-fiction texts. We will also be writing informally for a variety of purposes, using the claim, quote, comment writing format to show an understanding of literature, practicing expository communication skills in writing and other formats, and focusing on the development stages of essay writing. We will read at least one contemporary novel as a class and at least one novel of the student’s choice.

BASIC ENGLISH 12
Counselor recommendation and test scores at least two years below grade level 1 year—1 credit
Content for this course includes, but is not limited to, building an understanding of proper paragraph/essay formatting and practicing the six traits of writing method. We will interact with and respond to non-fiction texts, practice argumentative skills, both in writing and speaking, understand the composition of various forms of media, as well as utilize in-depth proof reading skills for real world writing tasks. We will read at least one contemporary novel as a class and read at least one novel of the student’s choice.

ENGLISH 100
Test scores and teacher recommendation are used to determine eligibility NCAA Approved 1 year - 1 credit
This course stresses basic skills in reading comprehension and analysis, and writing to support opinions with textual evidence and commentary. Units include the study of shorts stories, two novels, and a thematic unit on justice with
examination of both fictional and non-fictional supplementary pieces using various forms of media exploring crime-based topics. Grammar, usage, and punctuation are also honed using the platform No Red Ink.

**ENGLISH 100 HONORS**

NCAA Approved 1 year - 1 credit

Test scores and teacher recommendation are used to determine eligibility.

This class will study the topics outlined in English 100 in greater detail and with greater difficulty. The course work will require students to think critically and analyze the material presented. In addition, the honors class will: be introduced to traditional meanings behind elements of the setting, analyzing literature in terms of its relationship to the human experience bridging all cultures and time periods, and be exposed to a detailed study of Shakespeare’s life and the Elizabethan Era.

**ENGLISH 200**

NCAA Approved 1 year - 1 credit

This course concentrates on literacy analysis, and application of textual support in written work. Vocabulary, grammar and mechanics will be interspersed. Speaking and listening standards are met. Opportunities for developing speaking and listening skills are presented frequently in different modalities.

**ENGLISH 200 HONORS**

NCAA Approved 1 year - 1 credit

This class will study the topics outlined in English 200 with greater difficulty, at a faster pace, and uses a large number of supplemental material. In addition to the requirements of English 200, Honors students will be expected to complete their homework in essay format and use textual quotations in homework and tests.

**ENGLISH 300**

NCAA Approved 1 year - 1 credit

This course is divided in content and skills by semester. Semester 1 will have a focus of Greek Mythology, and explore various myths, archetypes, and stages within the heroic journey. Second semester, students will learn the art of argumentation and persuasion by understanding the appeals and devices used in persuasive essays and various media. In student’s own writing, they will learn how to engage in conversation with others by learning how to annotate and summarize the views of others, while using strategies to support their own thesis and apply the appeals and devices learned. Grammar, usage, and punctuation are also honed using the platform No Red Ink.

**ENGLISH 400**

NCAA Approved 1 year - 1 credit

This course is designed to develop the students’ skills in argumentative writing, business writing, and critical thinking. Students will be using select works of fiction and informational literature to prompt discussion and writing. This course will prepare students for the transition to a college-level course.

**AP ENGLISH LANGUAGE AND COMPOSITION**

NCAA Approved 1 year - 1 credit

Juniors, must have a B average in English or counselor recommendation

Students will work on developing their personal voices in their writing. In doing so, they will write in a variety of modes (descriptive, narrative, expository, and persuasive), and apply acquired knowledge of effective writing techniques (tone, detail, diction, syntax, imagery, figurative language, etc.). This composition course is writing-intensive as students will compose essays of their own and essays in which they analyze the work of others of precision in word choice and intended/resulting meaning in various rhetorical situations.

**AP ENGLISH LITERATURE AND COMPOSITION**

NCAA Approved 1 year - 1 credit

Seniors, Juniors must have a B average in English or counselor recommendation

Students will study various types of writing and literature in preparation for the AP English Literature & Composition Exam. Course requirements include a research project. If students choose, they can pay to take the AP Exam in May to be eligible to earn college credit. AP Language is strongly suggested before taking this class.
TECHNICAL WRITING  Not approved by NCAA and various colleges  1 year - 1 credit
Juniors or Seniors with counselor recommendation
This class does count as an English credit.

Technical Writing prepares students to design effective technical documents for both written and digital media, with particular emphasis upon technical memos, problem solving and decision-making reports, and organizational, product-support, and technical information webs. To support these writing tasks, the course provides an introduction to the principles of audience analysis, research and documentation, drafting and revision processes, readability and accessibility of written texts, and basic web technologies.

* Students will have opportunities to practice yearbook design using the content discussed in class, but the yearbook itself will be crafted through the Yearbook Club.

CREATIVE WRITING  NCAA Approved  1 year - 1 credit
Juniors or Seniors (to be taken as an elective, not in lieu of English placement)

Creative Writing is designed for students to create original forms of descriptive writing, personal essays, poetry, drama and fiction. Vocabulary development, creative writing techniques, and skills are explored. The central focus of the class will be on various processes for creating, using mentor texts as inspiration and models, and learning from providing and listening to feedback. Most important, however, will be learning to engage in a supportive creative community that empowers individual curiosity, and artistic risk taking.

CRITICAL ANALYSIS AND FILM  NCAA Approved  1 semester - 1/2 credit
Juniors or Seniors (to be taken as an elective, not in lieu of English placement)

In this course, students will learn the language of visual media in order to better analyze the techniques filmmakers employ in establishing themes and culturally significant arguments. In an effort to better understand the various purposes of filmmakers, students will study authorial, historical, and artistic contexts surrounding both classic and contemporary films and television shows. Through reading and viewing a variety of texts, students will establish a foundation of critical theory that will dissect the social commentary presented in film and literature. A wide variety of writings and digital presentations will offer students opportunities to practice such analytical skills.

Students will be expected to apply reading and writing skills established in their earlier English courses, but they will also be expected to apply knowledge of key 20th and 21st Century historical moments in order to deepen their understanding of historical context in shaping texts.

Students will be expected to partake in one of two avenues of application: research and analysis or video production. For the research component, students will be expected to invest themselves in studying the work of a specific director, a culturally significant television show, or trends in modern day cinema. Here, they will apply the critical skills established in class to a core body of work.

If students choose the video production route, they will be expected to participate in the school's Film Club; specifically, they will focus on writing, filming, and editing work with an emphasis on achieving a clear purpose while appealing to a core audience. This will require a level of meta-analysis from the students that will cultivate their understanding of key film techniques and rhetorical goals in visual texts.
MATHEMATICS
(3 Credits REQUIRED)

**Functional Math 9, 10, 11, 12**
Counselor Placement 1 year - 1 credit

This sequence of courses is designed to develop basic computational skills in the four arithmetic processes and their applications to real life situations. Students work on counting, solving basic equations, money skills, budgeting, telling time, using a calculator, and other topics to help prepare for independent living. Each course continues the instruction at the student’s level from the previous course.

**Integrated Math A**
Counselor Placement NCAA Approved 1 year - 1 credit

This course is designed to develop beginning level skills in both algebra and geometry. The content covered includes, but is not limited to: basic math operations, integer operations, order of operations, fractions, solving simple algebraic equations, identifying geometric shapes, determining area and volume. Emphasis will be placed on the foundations of algebra and geometry concepts.

**Integrated Math B**
Counselor Placement NCAA Approved 1 year - 1 credit

This course is designed to develop intermediate level skills in both algebra and geometry. The content covered includes, but is not limited to: integer operations, order of operations, fractions, solving intermediate algebraic equations, identifying geometric shapes, determining area and volume. Students may also encounter angles, triangles, and more challenging problem solving. Emphasis will be placed on building on the foundations of algebra and geometry concepts.

**Integrated Math C**
Counselor Placement NCAA Approved 1 year - 1 credit

This course is designed to provide a more advanced level skills in both algebra and geometry. The content covered includes, but is not limited to: integer operations, order of operations, fractions, solving complex algebraic equations, identifying geometric shapes, determining area and volume. Students may also encounter angles, triangles, percents, and more challenging problem solving. Emphasis will be placed on more complex algebra and geometry concepts.

**GENERAL MATH**
Counselor Placement 1 year - 1 credit

General Math is the beginning course of the advancement to Algebra. The content covered includes, but is not limited to: integer operations, analyzing data, solving simple equations, problem solving, order of operation, fractions (ratios), decimals, percents, area, volume, surface area, proportions, angles, and triangles.

**ALGEBRA A**
Counselor Placement NCAA Approved 1 year - 1 credit

Algebra A is the development of the following skills: problem solving, solving equations and proportions, graphing linear functions, linear relationships (including the different forms for equations of a line), solving systems of equations, and solving inequalities. Classrooms do have calculators for student use during class but a minimum of a TI-30 would be helpful for homework.
ALGEBRA B  
Counselor Placement  
NCAA Approved  1 year - 1 credit  

Algebra B is the second portion of the Algebra I course. Skills being covered include solving and graphing quadratic equations and inequalities, simplifying rational and radical expressions, and applying the properties of exponents. Classrooms do have calculators for student use during class but a minimum of a TI-30 would be helpful for homework.

GEOMETRY 1  
Counselor Placement  
NCAA Approved  1 year - 1 credit  

Students will explore the same topics as Geometry but at a pace based on student demonstration of content standards. The focus will be more on general topics. Classrooms do have calculators for student use during class but a minimum of a TI-30 would be helpful for homework.

FUNDAMENTALS OF INTEGRATED ALGEBRA  
Counselor recommendation  
NCAA Approved  1 year - 1 credit  

This course will cover linear functions and systems, solving inequalities, graphing and solving quadratic functions, simplifying rational and radical expressions, and applying the properties of exponents, but at an appropriate pace. A scientific calculator is required for this class.

INTEGRATED ALGEBRA  
NCAA Approved  1 year - 1 credit  

Integrated Algebra will include a brief review of linear functions and systems and continue the development of the following skills: problem solving, graphing and solving quadratic functions, solving inequalities, simplifying rational and radical expressions, and applying the properties of exponents. A scientific calculator is required for this class.

FUNDAMENTALS OF GEOMETRY  
Counselor recommendation  
NCAA Approved  1 year - 1 credit  

Students will explore the same topics as Geometry, but at an appropriate pace. The focus will be more on general topics with linear problem solving skills. A scientific calculator is required for this course. The department recommends the TI-30X.

GEOMETRY  
NCAA Approved  1 year - 1 credit  

Geometry is applying the skills learned in Integrated Algebra to polygons and angles. Students will apply triangle congruency and/or similarity theorems/postulates to solve for missing values of a triangle. They will transform figures across the coordinate plane. Trigonometric functions will be explored. A scientific calculator is required for this course. The department recommends the TI-30X.

FUNDAMENTALS OF ALGEBRA 2  
Counselor recommendation  
NCAA Approved  1 year - 1 credit  

Fundamentals of Algebra 2 is an extension of concepts learned in Integrated Algebra, but taught at an appropriate pace. Topics include systems of equations with three variables, complex numbers, conic sections and inverses. Logarithmic, polynomial, rational, and exponential functions are explored.

Many lessons involve the use of technology. Therefore, a graphing calculator is required for this course and any course higher than Algebra 2. The math department recommends the TI-84 or TI-Nspire. The cost of a graphing calculator is high. The department has about 30 calculators that can be rented. Rental requests are taken on a first come, first serve basis.

ALGEBRA 2  
NCAA Approved  1 year - 1 credit
Algebra 2 is an extension of concepts learned in Integrated Algebra. Topics include systems of equations with three variables, complex numbers, conic sections, and inverses. Logarithmic, polynomial, rational, and exponential functions are explored.

Many lessons involve the use of technology. Therefore, a graphing calculator is required for this course and any course higher than Algebra 2. The math department recommends the TI-84 or TI-Nspire. The cost of a graphing calculator is high. The department has about 30 calculators that can be rented. Rental requests are taken on a first come, first serve basis.

**TRIGONOMETRY/PRE-CALCULUS**
NCAA Approved 1 year - 1 credit
Prerequisite: Algebra 2 with a grade of C or better

The key ideas presented are: transformations of functions, periodic functions and their graphs, area under a curve as a foundation for integration, inverses, exponentials, and logarithmic equations and applications, limits to infinity and at a point, properties of functions including continuity, increasing vs. decreasing, and concavity, other graphical systems including polar, conic and parametric equations, applications of vectors and trigonometric functions, algebraic fluency and simplification techniques, investigating sequences and series to find sums, and modeling using a variety of functions.

A graphing calculator is required for this course. The math department recommends the TI-84 or TI-Nspire. The cost of a graphing calculator is high. The department has about 30 calculators that can be rented. Rental requests are taken on a first come, first serve basis.

**CALCULUS**
NCAA Approved 1 year - 1 credit
Prerequisite: Trigonometry/Pre-Calculus with a grade of B or better

The key ideas presented in Calculus are: exploring functions, instantaneous rates and Riemann sums, slope functions and curve analysis, the fundamental theorem of calculus, optimization and derivative tools, related rates and integration tools, volumes of revolution, series, parametric, and polar equations, convergence of series, extending calculus to polar and parametric equations, approximating functions, and error.

A graphing calculator is required for this course and any course higher than Algebra 2. The math department recommends the TI-84 or TI-Nspire. The cost of a graphing calculator is high. The department has about 30 calculators that can be rented. Rental requests are taken on a first come, first serve basis.

**STATISTICS**
NCAA Approved 1 year - 1 credit
Prerequisite: Trig/Pre-Calc and a senior

This class is an introductory course in statistics and probability. It is centered around real world situations, critical analysis, and interpretations of graphs and data. The focus of this course is based on statistical thinking behind data gathering, interpretation, and analysis.

A graphing calculator is required for this course and any course higher than Algebra 2. The math department recommends the TI-84 or TI-Nspire. The cost of a graphing calculator is high. The department has about 30 calculators that can be rented. Rental requests are taken on a first come, first serve basis.

**AP CALCULUS**
NCAA Approved 1 year - 1 credit
Prerequisite: Trigonometry/Pre-Calculus or Calculus

AP Calculus will deepen a student’s knowledge of Calculus. The topics covered will be functions, limits, derivatives, second derivative, L’Hopital’s Rule, application of derivatives, antiderivatives, The Fundamental Theorem of Calculus, and application of the antiderivative. Students will focus on preparing for the AP Calculus AB exam in May.

A graphing calculator is required; scientific calculators will not be allowed. The math department recommends the TI-84 or TI-Nspire. The cost of a graphing calculator is high. The department has about 30 calculators that can be rented. Rental requests are taken on a first come, first serve basis.
FOUNDATIONS IN COLLEGE MATHEMATICS  
Prerequisite: Algebra 2 and a Senior  

Students who plan to attend Kishwaukee College after graduation who receive a C or higher in BOTH semesters of this course will start in college-level math courses at Kish (no placement testing will be needed).

A fourth year mathematics course designed with emphasis on algebraic skill improvement. Topics covered will include linear functions and their graphs, systems of equations, factoring, rational expressions, compound inequalities, absolute value functions, radical expressions and functions, solving quadratic formulas by all techniques, complex numbers, exponential and logarithmic functions. Students will work individually and in teams to solve problems designed to help them succeed in college mathematics courses.

*This course may not be considered as a fourth year of mathematics by all colleges/universities. Always consult with your school to see if this course meets their entrance requirements.*

APPLIED MATHEMATICS  
Prerequisite: Seniors (or Juniors with recommendation)  

This class will study mathematics as needed by the consumer and the worker. Topics include part-time and full-time work, purchases, credit, taxes, loans, travel, insurance, and budgets. This course is an excellent introduction to math in the real world. A basic calculator is needed for this course.
SCIENCE

3 Credits REQUIRED and may include “Intro to Horticulture” (prior to 2019-2020 school year only), “Agricultural Science”, “Small Veterinary Science”, and “Large Veterinary Science”

Practical Science/Social Studies 9, 10, 11, 12
Counselor Placement

This sequence of courses provides an overview of current topics in social studies and science and how they relate to the world around us. Topics may include government, environment, culture, experiments, and geography. Emphasis is placed on reading, comprehension and application between what is happening in the world and the student’s life. Each course continues the instruction at the student’s level from the previous course.

“In the course of a school year, students taking the course both semesters earn .5 science credit and .5 social studies credit. In the event that students only take one semester, we typically issue science credit.

GENERAL SCIENCE 1
Counselor Placement

This course is a survey level science course that will focus on scientific thinking and the scientific method. Instruction involves hands-on activities and real-world applications. Units of study may include, but are not limited to, topics in chemistry, matter, botany, paleontology & anthropology, current issues in science, or forensics.

EARTH AND PHYSICAL SCIENCE 1
Counselor Placement

This course is designed to provide students with a foundation and an overview of earth and physical science, which includes but is not limited to, earth science, physical science, and environmental science. Some topics discussed in earth science include plate tectonics, earthquakes, volcanoes, and weather patterns. Physical science will include the study of solids, liquids, gases, the properties of atoms and the periodic table, chemical bonds, and solutions. Environmental science will deal with populations and communities, ecosystems and biomes, living resources and land, and water and air resources.

BIOLOGY 1
Counselor Placement

Biology is a science course that covers the study of living things. Biology focuses on the study of life by examining the five fundamental concepts of cellular biology, genetics, ecology, evolution, and physiology. It also focuses on skills that scientists use, including asking questions, making predictions, designing experiments or procedures, collecting and organizing information, calculating data, making decisions, drawing conclusions, and exploring more options. Students may learn scientific writing skills and also examine current biological issues.

Conceptual Earth & Physical Science*
FORMERLY EARTH & PHYSICAL SCI
Counselor recommendation

This course is an integrated Earth Science and Physical Science course designed for the freshmen level, but at an appropriate pace, that will intertwine topics from both disciplines to provide students with a well-rounded science foundation. The course will offer a wide spectrum of scientific information, concepts, terminology, and laboratory practices to prepare students for future science courses. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS).

*Regular Earth & Physical Science course with extra support staff
EARTH & PHYSICAL SCIENCE

This course is an integrated Earth Science and Physical Science course designed for the freshmen level that will intertwine topics from both disciplines to provide students with a well-rounded science foundation. The course will offer a wide spectrum of scientific information, concepts, terminology, and laboratory practices to prepare students for future science courses. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS).

CONCEPTUAL CHEMISTRY*

Sophomores-Seniors and counselor recommendation

This chemistry course is an inquiry-designed, laboratory specific course at an appropriate pace. Students will cover basic knowledge of chemistry and the chemical processes that are essential to people living in society along with thinking and problem-solving skills. Activities push students to develop independent thinking through inquiry activities. Topics include: the development of an Atomic Theory model, factors that influence chemical change, properties of the elements, chemical symbols, writing formulas, writing equations, stoichiometry, shape and behavior of molecules, kinetics, and nuclear chemistry. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS).

*Regular Chemistry course with extra in-class support staff

CHEMISTRY

Sophomores-Seniors

This chemistry course is an inquiry-designed, laboratory specific course. Students will cover basic knowledge of chemistry and the chemical processes that are essential to people living in society along with thinking and problem-solving skills. Activities promote students to develop independent thinking through inquiry activities. Topics include: the development of an Atomic Theory model, factors that influence chemical change, properties of the elements, chemical symbols, writing formulas, writing equations, stoichiometry, shape and behavior of molecules, kinetics, and nuclear chemistry. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS).

HONORS CHEMISTRY

Sophomores-Seniors – Teacher Approval Required

This chemistry course is an accelerated-paced laboratory specific course designed to prep students for the rigor of future AP Science courses. Students will develop thinking and problem-solving skills at a critical thinking level. Topics include: properties of the elements, the development of an Atomic Theory model, chemical symbols, writing formulas, shape and behavior of molecules, writing equations, stoichiometry, factors that influence chemical change, kinetics, solutions, acids and bases, and nuclear chemistry. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS).

CONCEPTUAL BIOLOGY*

Counselor recommendation

This is a phenomenon-based curriculum with a multifaceted approach to life science. This course is designed for the junior level and will intertwine multiple fundamental topics in Biology, which includes the scientific method, cells, homeostasis, cell division, genetics, evolution, and ecology, through various storylines. The inquiry design will challenge students to work on higher level thinking skills with teacher guidance. The course will offer a wide spectrum of scientific information, concepts, terminology, and laboratory practices. This curriculum follows the best practices for implementing the Next Generation Science Standards (NGSS).

*Regular Biology course with extra support staff
**BIOLOGY**

This is a phenomenon-based curriculum with a multifaceted approach to life science. This course is designed for the junior level and will intertwine multiple fundamental topics in Biology, which includes the scientific method, cells, homeostasis, cell division, genetics, evolution, and ecology, through various storylines. This is a student-driven course with teacher guidance through the storylines that will challenge students to use higher level thinking skills through the inquiry design. The course will offer a wide spectrum of scientific information, concepts, terminology, and laboratory practices. This curriculum follows the best practices for implementing the Next Generation Science Standards (NGSS).

**CHEMISTRY II**

Counselor recommendation

This course extends the concepts presented in Chemistry to include solution equilibrium, ionization and solubility, oxidation and reduction, the study of gases, acids, bases oxidation/reduction reactions, electrochemistry, and organic chemistry. This class is recommended for students interested in pursuing a career in science.

**PHYSICS**

Prerequisite: full year of Chemistry and Geometry
Counselor recommendation

This course involves a study of mechanics, (motion and forces), heat, work, aerodynamics, friction, vectors, projectile motion, electricity, and magnetism. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS). Students who are interested in science, with the possibility of future career involvement, should definitely take this course.

**AP BIOLOGY**

Prerequisite: full year of Chemistry
Counselor recommendation

AP Biology is a two credit course, which meets the equivalent of five class periods per week. It features extensive content in biochemistry, biomedical genetics, cellular physiology, evolution, and an extensive survey of organisms. It is the equivalent of a two semester college course for Biology majors. This course prepares the student to take the Biology examination given by the national Advanced Placement (AP) program in May. Success on this exam may entitle the student to college credit, advanced college placement, or both.

**AP ENVIRONMENTAL SCIENCE**

Counselor recommendation

The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. It has been developed as a rigorous science course that stresses scientific principles, analysis, and a strong laboratory component. The goal of the AP Environmental Science course is to provide students with the interrelationships of the natural world, to identify and analyze environmental problems, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. There are several unifying themes that provide a foundation for the structure of the course.
Practical Science/Social Studies 9, 10, 11, 12
Counselor Placement

This sequence of courses provides an overview of current topics in social studies and science and how they relate to the world around us. Topics may include government, environment, culture, experiments, and geography. Emphasis is placed on reading, comprehension and application between what is happening in the world and the student’s life. Each course continues the instruction at the student’s level from the previous course.

*In the course of a school year, students taking the course both semesters earn .5 science credit and .5 social studies credit. In the event that students only take one semester, we typically issue science credit.

World Cultures 1
Counselor Placement

This course provides a general overview of historical and present day culture including geography, family life and structure, social organizations, religious beliefs, and education. Emphasis will be placed on reading, writing and analyzing graphs and charts. The class also works to help students use critical thinking skills, understand cultural differences, and extend social interaction skills.

Global Affairs 1
Counselor Placement

This course focuses on current issues taking place in the world today. The course will develop student skills in classroom discussions, speeches, debates, and roles in cooperative groups. Emphasis will be placed on building reading and writing skills. The class also works to help students use critical thinking skills, understand world issues, and extend social interaction skills.

AMERICAN HISTORY 1*
Counselor placement

This course is an overview of American History from colonial times to the present day. Students study states, resources and physical features of the United States. The study of various levels of government and civics. Documents and institutions of the United States will be included. The U.S. Constitution test is given in this course.

*Passing the full year of this course counts as both the American Government/Civics and American History requirements.

Geography A
Counselor Placement

This course looks at the world in spatial terms, places and regions, physical systems, human systems and the environment and society. Students will be building their skills on interpreting charts and graphs, labeling and recognizing maps, and understanding key geographic concepts. The class also works to help students apply their geographic knowledge to their community, state, nation, world, and themselves.

WORLD CULTURES
Counselor Placement

World Cultures is a course that focuses on historical and present-day culture with an in-depth look at geography, family life and structure, social organizations, education, religious beliefs, economic life, political trends, and artistic accomplishments. Additional emphasis will include skill based learning on reading, writing, and analyzing graphs and charts.
This course looks at the world in spatial terms, places and regions, physical systems, human systems and the environment and society. Geography I focuses on the Western Hemisphere, Europe, Russia, Australia, Oceania, and Antarctica. Students will be building their skills on interpreting charts and graphs, labeling and recognizing maps, and understanding key geographic concepts.

*Geography I and Geography II can be taken in ANY order (you do not have to take Geography I first).

Geography II focuses on Africa and Asia. Students will continue to build their skills on interpreting charts and graphs, labeling and recognizing maps, and understanding key geographic concepts.

*Geography I and Geography II can be taken in ANY order (you do not have to take Geography I first).

This course is offered first semester only. World History I is an overview of world history from pre-history to the Middle Ages. Emphasis is on the development of early civilizations and major monotheistic religions. Major units include the Egyptians, Mesopotamian Civilizations, Greeks, Romans, and Medieval Period. Projects are required with each unit, as are discussion and participation.

*World History I and World History II can be taken in ANY order (you do not have to take World History I first).

This course is offered second semester only. World History II is an overview of world history from the Renaissance until World War I. The emphasis is on the political, social, and economic rise of nations. Major units include the Renaissance, French Revolution, English Absolutism, Industrialism and World War I. Projects are required with each unit, as are discussion and participation.

*World History I and World History II can be taken in ANY order (you do not have to take World History I first).

This course is an overview of American History from colonial times to the present day. Students study various levels of government and civics. Documents and institutions of the United States will be included. The material will help young people acquire and learn to use skills, knowledge, and attitudes that will prepare them to be competent and responsible citizens throughout their lives. The state required Illinois constitution and U.S. constitution test is given in this course.

This course will focus on the history, struggles, successes and similarities of diverse groups of twentieth-century Americans who protested on behalf of civil liberties and civil rights. The course will begin with an understanding of America's founding documents—The Declaration of Independence and the United States Constitution—and the conceptual and historical paradoxes of each. The course will also emphasize the flexibility of the U.S. Constitution, and specifically the impact of additional amendments over time and their varying interpretations on both civil liberties and civil rights during the Twentieth Century. The primary drive of the course will be the historical narrative of a people who persevered to give greater meaning to our founding creed and those founding American documents. This story will include the twentieth century social movements for greater freedom and equality led by and for various groups of Americans which will include, women, African Americans, Native Americans, Asian Americans, Latinos, disabled Americans and gay Americans.
GLOBAL AFFAIRS
Sophomores-Seniors

NCAA Approved 1 semester - 1/2 credit

This course focuses on current issues taking place in the world today. The course will develop student skills in classroom discussions, public speaking, debating, and roles in cooperative groups. Participation is required.

AMERICAN HISTORY REQUIRED
Juniors

NCAA Approved 1 year - 1 credit

American History is a study of the historical development of the United States from 1865 to the present. It is not only a historical survey, but also a study of the unique American culture, including the political development of our government and laws based on the U.S. Constitution, as well as the social development of American society and its people.

AP U.S. HISTORY MEETS AMERICAN HISTORY REQUIREMENT
Junior or Senior Counselor recommendation

NCAA Approved 1 year - 1 credit

AP U.S. History is a challenging course that is meant to be equivalent of a freshmen college history course. Students can earn college credit by paying to take and then passing the AP U.S. History Test. The course is a two-semester survey of American History from the age of exploration to the present. An emphasis is placed on historical reading and writing, along with a willingness to devote considerable time to homework and study are necessary for success in AP U.S. History. A summer reading assignment may be a requirement for taking the course.
PHYSICAL EDUCATION, HEALTH, & DRIVERS EDUCATION

3.5 credits of Physical Education – REQUIRED (in addition to the 25 credits required for graduation)

PHYSICAL EDUCATION (P.E.)
1 semester - no credit

P.E. includes a variety of individual, dual, and team sports. Effort, participation, dress, conduct, skill, and written tests determine the grade.

PERSONAL FITNESS
1 semester - no credit

This semester class is offered as an extension of the regular physical education curriculum. It will provide a unique opportunity to participate in a weight room setting working on personal fitness plans based on personal fitness levels in the areas of cardiovascular endurance, muscular strength, muscular endurance, flexibility and body composition. There is a greater academic responsibility for learning about goal setting, muscles, body mechanics, and fitness training. Some current fitness trends and nutrition information will give students personal fitness strategies that can be used to gain or maintain good personal fitness beyond the high school setting. Students who sign up for this course should have a strong motivation and desire to work to improve personal fitness. There are high expectations for students to work at a high level while enrolled in this course. All students are expected to dress and participate during each class period unless excused for medical reasons.

ATHLETIC PHYSICAL EDUCATION
1 semester - no credit

*IHSA Athletes ONLY

Athletic PE is an athletic-based PE Course focusing on strength training & speed/agility. We will use strength tracker to keep data on the progress of students through their entire high school career. This course is designed for student athletes who participate in at least one IHSA recognized sport during the school year.

Health 1
1 year – 1 credit

Counselor placement

This course is designed to provide an overview of mental and emotional health, personal health and first aid, growth and development, sexuality, use and misuse of substances, and diseases and disorders. Emphasis will be placed on the importance of living a healthy lifestyle and making positive health-related choices.

HEALTH EDUCATION REQUIRED
1 semester - 1/2 credit

The health education class is designed to aid a student in understanding the facts, concepts and generalizations of mental health, personal health, diseases in our environment, drug/alcohol/tobacco use in our society, and human sexuality and life styles. Students will receive training in Community CPR and standard First Aid.

DRIVERS EDUCATION
1 quarter (9 weeks) - 1/2 credit

Sophomores get placed first by birth date. Any open spots will then be filled by freshmen according to birth date.

State requirement states that you must pass at least 8 classes in the previous 2 semesters to take Driver’s Education.

Permits: Students who are enrolled in drivers education at the high school are able to get their permit 30 days before the start of the class (aka physically in the classroom).

Classroom/Behind-the-Wheel training: The State of Illinois requires a minimum of 30 hours of classroom instruction and six hours of Behind-the-Wheel (BTW) Some of the units of instruction include basic car control, DUI and driving, basic car maneuvers, handling emergencies, interacting at intersections, and understanding traffic laws.
OTHER COURSES

**Assisted Study Hall**
Counselor Placement
Course may be repeated

This course is designed to assist students in managing their education and developing their study skills. Students will learn executive functioning skills including time management, note taking, organizing materials, setting short and long term goals, and completing tasks within deadlines. Students will receive support completing assignments and tests from other classes. Students will also monitor their grades and develop a plan to bring up their grades if needed.

**Life Skills 9**
Counselor Placement

This course is designed to increase students’ knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal setting and planning and solving problems. Instruction material focuses on communication, working with others, decision-making, personal safety, environmental awareness and how students can contribute to their own community. Emphasis will be placed on banking and budgeting skills.

**Life Skills 10**
Counselor Placement

This course is designed to increase students’ knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal setting and planning and solving problems. Instruction material focuses on communication, working with others, decision-making, personal safety, environmental awareness and how students can contribute to their own community. Emphasis will be placed on study skills and time management.

**Life Skills 11**
Counselor Placement

This course is designed to increase students’ knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal setting and planning and solving problems. Instruction material focuses on communication, working with others, decision-making, personal safety, environmental awareness and how students can contribute to their own community. Emphasis will be placed on writing skills and test taking strategies.

**Life Skills 12**
Counselor Placement

This course is designed to increase students’ knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal setting and planning and solving problems. Instruction material focuses on communication, working with others, decision-making, personal safety, environmental awareness and how students can contribute to their own community. Emphasis will be placed on concepts needed to transition from high school to work or to academia.

**Instructional Strategies**
Counselor Placement

This course is designed to allow students to efficiently and independently meet the curricular demands of other core-academic classes as well as high stake-assessments. Academically, students will learn strategies to successfully comprehend and respond to inferential, content-related questions. Strategy instruction will also be used to bolster student’s ability to correctly identify and summarize main ideas and details of grade-level text. Other strategies are designed to help students sustain success in other classes by effectively organizing materials as well as identifying resources to support their learning process. In addition, students will be provided with essential skills needed for learning
how to effectively integrate 21st-century skills into their learning. Students will also be taught to take initiative in order to confidently apply these skills in multiple situations including, but not limited to utilizing banking services as well as identifying and solving problems within a variety of life situations. This course will also include engaging activities where students will apply new skills in a collaborative and student-centered way. Students will also receive guidance that will allow them to focus on goals and succeed in their future endeavors.

**Instructional Strategies**

1 semester - 1/2 credit

**Counselor Placement**

This course has been developed to provide students with essential skills needed for learning how to effectively integrate 21st-century skills into their learning. Students will also be taught to take initiative in order to confidently apply these skills in multiple situations including, but not limited to utilizing banking services and identifying and solving problems within a variety of life situations. This course will also include engaging activities where students will apply new skills in a collaborative and student-centered way. Students will also receive guidance that will allow them to focus on goals and succeed in their future endeavors.

**Informational Strategies**

1 year - 1 credit

**Counselor Placement**

This course is designed to provide students with a foundation and an overview of learning strategies, as well as efficiently and independently meeting the curricular demands of other core-academic classes and high stakes-assessments. Academically, students will learn strategies to successfully use while taking classroom tests. Students will learn to allocate time and prioritize within each section of the test, read carefully and focus on important elements in test instructions including systematically and quickly progress through a test, make well-informed choices, check their work, and take control of the testing situation. Students will be able to apply learned strategies across subject areas.

Students will also develop skills that will help them succeed in their careers and in their everyday lives. Students will learn that choosing the right career requires self-exploration, as well as research and planning. Making that career a success requires critical-thinking, communication and problem solving skills. Students will learn key workplace skills such as responsibility, self-management, leadership and integrity. Real world budgeting and finance skills will also be included.

**Informational Strategies**

1 semester - 1/2 credit

**Counselor Placement**

Students will develop skills that will help them succeed in their careers and in their everyday lives. Students will learn that choosing the right career requires self-exploration as well as research and planning. Making that career a success requires critical-thinking, communication and problem solving skills. Students will learn key workplace skills such as responsibility, self-management, leadership and integrity. Real world budgeting and finance skills will also be included.

**Fundamental Strategies**

1 year - 1 credit

**Counselor Placement**

This course is designed to provide students with techniques to enhance writing skills for academics as well as high stakes-assessments. Students will independently find and correct errors in their written work to increase the overall quality of the final product. Organizational strategies for planning concise paragraphs and themes will be developed through planning point of view, sequencing and expressing ideas. Coursework will promote higher level thinking skills to examine literature and associated essay writing requirements that relate to their language arts, literature, and other content-related subjects. Students will also develop self-monitoring strategies that are critical to achieving academic success across all environments. Fundamental Strategies also integrates academic standards-based activities with real-world workplace connections. The course emphasizes workplace skills, technology, understanding and working with cultural differences. It includes real-world connections that simulate real-life anecdotes or passages that deal with issues of work, including skills such as interpersonal communication.

**Fundamental Strategies**

1 semester - 1/2 credit

**Counselor Placement**

This course prepares students for the 21st century workplace. It integrates academic standards-based activities with real-world workplace connections. The course emphasizes workplace skills, technology, understanding, and working with
cultural differences. It includes real-world connections that simulate real-life anecdotes or passages that deal with issues of work, including skills such as interpersonal communication. Relevant finance skills will also be integrated.

**Transition Strategies**

Counselor Placement

1 year - 1 credit

This course is designed to provide students with the concepts needed to transition from high school life to work or to academia. This is accomplished through teaching students the strategies needed to understand the concepts such as respect, tolerance, empathy, and team building. Students will learn these concepts to become successful within their chosen career or to benefit and support them in a community college or university setting. Students will also learn strategies that will prepare them to participate in any type of conference, including education and transition planning conferences. These strategies will also help the students to become more organized and also to assist them with better communication techniques, and goal setting. This course will also provide the foundation from which students can customize their college and career readiness goals and aspirations. Coursework will provide meaningful engagement for students while serving as a model, no matter which direction they choose to pursue. Project-based learning will be focused on academic coursework preparation, study skills, transitional life skills, the college application process, and the world of work.

**Transition Strategies 1 Semester**

Counselor Placement

1 semester - 1/2 credit

College and career readiness will provide the foundation from which students can customize their college and career readiness goals and aspirations. Coursework will provide meaningful engagement for students while serving as a model, no matter which direction they choose to pursue. Project-based learning will be focused on academic coursework preparation, study skills, transitional life skills, the college application process, and the world of work.
AGRICULTURE

Course Rotations:
- Veterinary Science, Agricultural Business are offered in odd fall years (2019-20)
- Ag Mechanics, Greenhouse Management & Floral Design, and Landscaping & Turf Grass are offered in even fall years (2020-21)

AFNR 100: INTRODUCTION TO AFNR (AGRICULTURE, FOOD, AND NATURAL RESOURCES)
Freshmen-Sophomores 1 year - 1 credit
Prerequisite: None

Basic concepts of the agriculture, food, and natural resources industry will be covered in an inquiry based, laboratory classroom format. Topics include communication, agriscience concepts, basic plant science, basic animal science, introductory natural resources, basic mechanics, and introductory ag business concepts. This course will focus on all aspects of agriculture and how diverse it is. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

AG SCI 200: AGRICULTURAL SCIENCE*
Sophomore-Senior 1 year - 1 credit
Prerequisite: Introduction to ANFR

This second level course builds on the Introduction to the AFNR course. Student laboratories and exploration on agricultural science principles focus on animal science, soil science, plant science, and other aspects of production agriculture. This class is designed to engage students in labs and develop skills that can be applied to current, relevant careers in agriculture. In addition, students will be able to gain basic knowledge, lab skills, and report knowledge used in the veterinary science course. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

*This course counts as a high school science.
HORT 200: HORTICULTURE: INTRODUCTION TO HORTICULTURE**
Prerequisite: Introduction to ANFR 1 year - 1 credit

This secondary level course builds on the plant science principles of the Introduction to AFNR course to explore the horticulture industry. Students will participate in a laboratory classroom format, where students will learn plant propagation, plant anatomy, and care of plants. Students will work in the program greenhouse to raise various plants. This course will focus on the opportunities within the ornamental horticulture industry. Students will be expected to participate in the plant sale. The FFA youth organization and student supervised agricultural education (SAE) experience programs are a component of the 3-circle model of agricultural education.

**Starting in the 2019-2020 school year, this course NO LONGER counts as a high school science.

AG MECH 200: AGRICULTURAL MECHANICS
Sophomores-Seniors 1 year - 1 credit
Prerequisite: Introduction to ANFR

This course will concentrate on expanding students’ knowledge and experiences with agricultural mechanics utilized in the agricultural industry. Units of basic instruction included are: small gas engines, land measurement and surveying, concrete, welding, and electricity. Student learning will take place in the agricultural mechanics shop. Students will gain basic knowledge of each of these areas that can be applied to various industries. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

HORT 300: GREENHOUSE AND FLORAL DESIGN
Juniors-Seniors 1 semester - 1/2 credit
Prerequisite: Introduction to Horticulture

This 3rd level course builds on experience previously developed in Horticulture class. This career focus course will study greenhouse management, greenhouse work, floral design, and related segments of the horticulture industry. Major units of study include plant identification, greenhouse structures, and the culture of greenhouse crops. Also included is care and handling of cut flowers, principles of art applied to floral design, and the mechanics of floral design and sales. Students will be a part of managing and developing products to sell for the department. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

HORT 350: LANDSCAPING & TURF GRASS
Juniors-Seniors 1 semester - 1/2 credit
Prerequisite: Introduction to Horticulture

This 3rd level course focuses of the landscape, nursery, and turf segments of the horticulture industry. Units of study include: identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production, turf grass production, and maintenance of existing landscapes. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

VET SCI 300: SMALL ANIMAL VETERINARY SCIENCE*
Juniors–Seniors 1 semester - 1/2 credit
Prerequisite: Introduction to AFNR & Agricultural Science

This 3rd level semester course will focus on laboratories and concepts behind veterinary science. This first semester course focuses on cat, dog, and other companion animals. Students will develop skills in working as a veterinary assistant. Hands on activities will involve animal anatomy, bandaging, veterinary clinic work, animal health activities, animal restraint, and veterinary lab practicums. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

*This course counts as a high school science.
**VET SCI 350: LARGE ANIMAL VETERINARY SCIENCE**
Juniors–Seniors
Prerequisite: Introduction to AFNR & Agricultural Science

1 semester - 1/2 credit

This 3rd level semester course will focus on the laboratories and concepts behind large animal veterinary science. This second semester course focuses on horses and livestock such as pigs, cattle, hogs, sheep, and goats. Students will develop skills in working as a veterinary assistant. Hands on activities will involve animal anatomy and specimen dissection, bandaging, animal health activities, animal restraint, and veterinary lab practicums. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

*This course counts as a high school science.

**AG BUS 300: AGRICULTURAL BUSINESS**
MEETS CONSUMER ECONOMICS REQUIREMENT
Prerequisites: Introduction to AFNR, Agricultural Science, AND Introduction to Horticulture
1 year - 1 credit

This course is designed to develop student knowledge and skills in operating an agribusiness. Instructional units include: establishing, managing, and financing of the agribusiness, marketing and advertising, product development, sales techniques and strategies, communicating with employees and customers, and studying various agricultural companies and career opportunities. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

*Passing the full year of this course counts as the semester Consumer Economics Requirement.

**SAE: SUPERVISED AGRICULTURAL EXPERIENCE**
Sophomores–Seniors in FFA
Prerequisite: Introduction to AFNR
1 semester - 1/2 credit

Qualified students can earn up to 3 credits over three years
Pass/Fail grade

Students will gain credit by maintaining a project at their home, at a local business, or at school usually after normal school hours. Example projects may include, but are not limited to: working at a garden center, raising vegetables/grain/livestock, conducting agriscience experiments in a greenhouse, and training horses at a stable. Students will be required to verify their experiences by keeping written records on the AET, and will be required to participate in proficiency award judging including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth.
ART

ART 150 - ART FUNDAMENTALS  1 year - 1 credit
A beginning-level year-long art class which directs students in the processes and techniques basic to visual arts. Drawing, printmaking, ceramics, commercial art, design, sculpture and painting are introduced. The student will develop an art vocabulary, awareness of art careers, and a variety of art skills. \textit{Art 150 is a pre-requisite for all other art classes.}

ART 200 - DRAWING  1 semester - 1/2 credit
Prerequisite: Art 150
A semester long course designed to give students more training and experience in the fields of drawing and design. Subjects and surfaces will vary with each assignment, including life drawing work, commercial art, and abstract art. Materials such as pencil, ink, charcoal and pastels will be explored.

ART 220 - PAINTING WORKSHOP  1 semester - 1/2 credit
Prerequisite: Art 150
This semester-long course is an introduction to the media and the techniques of painting. The emphasis is on paint handling techniques and color theory. A variety of compositional approaches will allow students to discover different styles. Watercolor, tempera and acrylic paints, and oil pastels will be used.

ART 230 - THREE DIMENSIONAL STUDIO  1 semester - 1/2 credit
Prerequisite: Art 150
Max Capacity of 25 students
This semester-long course provides students with the skill of designing relief sculpture and sculpture in the round. Students investigate and learn to work with the qualities of materials such as paper, plaster, clay, wood, and found objects.

Art 240 - DIGITAL PHOTOGRAPHY  1 semester – 1/2 credit
Prerequisite: Art 150
Priority is given to senior and junior students
Max Capacity of 25 students
Digital Photography focuses on the fundamentals of taking a photo, portraits, self-portraits, fine art photos, black and white photography, and photo journalism.

\textbf{Students are required to have their own digital camera DSLR with appropriate cords, folder or binder, e-mail address AND flash drive or SD Card.}

ART 300 - INDEPENDENT ART  1 year - 1 credit
Juniors or seniors
Prerequisites: Completion on Art 150, 200, 220, and 230 with grades of “A” or “B” in ALL classes and MUST meet with teacher with your portfolio before consent will be given.
This year-long class is geared toward the serious art student. The student must be able to work independently to come up with and create their own art ideas, and expand upon methods previously learned. Those considering a career in art will work on developing a portfolio. All students must keep a sketchbook outside of class. All students must complete a sketchbook over the summer before beginning the independent art class, and show the teacher before class begins.
\textbf{This course may be repeated.}
DIGITAL LITERACY REQUIRED 1 semester - 1/2 credit

This course is an introduction on how to be a smart consumer of the internet and electronic devices. The evolving curriculum in this course matches the rapid changes of technology in the workplace and society. Upon completion of this course, students will understand how their use of technology impacts their future, relationships, college, and careers. Topics include media and well-being, privacy and security, digital footprint and identity, relationships and communication, cyberbullying and digital drama, news and media literacy. Students also receive an introduction to Google Suite which allows them to learn proper use of communication tools commonly used in the workplace. Students learn how to write a resume, cover letter, professional email, and proper financial functions and formulas of Google Sheets.

PERSONAL FINANCE 1 semester - 1/2 credit

This course is designed to help students understand the impact of individual choices on financial goals and future earnings potential. Students will develop a sound knowledge of the workforce, taxes, checking accounts, saving, paying for college, and types of credit. Students will develop strategies that include budgeting, creating an emergency fund, paying off debt, using credit cards wisely, saving for retirement, and more. This course will provide a foundational understanding for making informed personal financial decisions to improve the financial lives of the next generation.

BUSINESS ESSENTIALS 1 semester - 1/2 credit

This orientation-level course will provide students with an overview of all aspects of business. The course will help students build a strong knowledge base and develop management skills as they study entrepreneurship, forms of business ownership, functions of management, budgeting and finance, technology, communications, leadership and teamwork, marketing, and economics. Emphasis will be placed on using computers while learning business skills, communication skills (thinking, listening, composing, revising, editing, and speaking), math, and problem-solving. This course emphasizes strong decision-making, critical thinking, and collaborative skills to complete both individual and group projects throughout the semester. Real life projects and content application allow students to demonstrate their understanding of learned content. This course will examine the impact of business on our everyday lives, as well as teach many critical business concepts to ready student for a career in business.

ACCOUNTING 1 Sophomores-Seniors 1 semester - 1/2 credit

This course assists students pursuing a career in accounting, business, marketing, and management. This course uses an online accounting system, MindTap, that provides real-time feedback and real-world accounting practices. Accounting is planning, recording, analyzing, and interpreting financial information and does not include a lot of math. Students will develop initial and basic skills used in maintaining numerical data involved in financial records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision-making. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, and career opportunities in the accounting field.

ACCOUNTING 2 Sophomores-Seniors 1 semester - 1/2 credit

Prerequisite: Accounting 1

Accounting 2 is a course that builds upon the foundation established in Accounting 1. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students may become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. MindTap is still used
to simulate business conditions through the use of online practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications.

**BUSINESS LAW**
Sophomores-Seniors

1 semester - 1/2 credit

Introduces law and the origins and necessity of the legal system; provides insight into the evolution and development of laws that govern business in our society; develops an understanding of how organization and operation of the legal system impact business; develops an understanding of rights and duties within the business environment; and includes contractual responsibility, protection of individual rights in legal relationships relative to warranties, product liability, secured and unsecured debts, negotiable instruments, agencies, employer-employee relations, property ownership and transfer, landlord and tenant, wills and estates, community property, social security, and taxation. Students will share in current event discussions as they pertain to the law and engage in various role playing activities such as mock trials.

**BUSINESS & TECHNOLOGY**
Sophomores-Seniors

1 semester - 1/2 credit

This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include entrepreneurship, various forms of business ownership, the basic functional areas of business (finance, management, marketing, and operations), business ethics, workplace skills, and business plans. Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using computers while learning business skills, communication skills (thinking, listening, composing, revising, editing, and speaking), math, and problem solving. Students will apply learned knowledge and skills to create a comprehensive business plan for a business of their choice.

**MARKETING**
Sophomores-Seniors

1 semester - 1/2 credit

This course explores the basic principles of marketing, the benefits of marketing, and how markets and customers impact business decisions. Students learn about the components of the marketing mix, market research, target marketing, sponsorship, event marketing, promotions, advertising, and execution of planning. This course emphasizes strong decision-making, critical thinking, and collaborative skills to complete group marketing projects throughout the semester. Students will be challenged to create new marketing ideas as they analyze current marketing trends. Real life projects allow students to demonstrate their understanding of learned content. This course will examine the impact of marketing in our everyday lives, as well as teach many critical business concepts to ready students for a career in the area of marketing.

**MULTIMEDIA 1**
Sophomores-Seniors

1 semester - 1/2 credit

Skill-level course designed to prepare students to utilize various technologies for future career or college endeavors. Students will work in a project-based environment to build a foundational understanding of various multimedia tools. Students will use hardware and software to capture, create, and edit audio and video clips. Students will use image-editing programs to manipulate images, computer graphics, and original artwork. In addition, students will learn the fundamentals of web page design using drag and drop web page design tools to create a working website. This course also includes presentation skills, camera operation, video editing, and audio mixing. Students will learn current multimedia technologies to develop skills that can be applied to real-life experiences. The course provides students with the foundation skills needed for a career in the technical aspects of multimedia or web design.

**MULTIMEDIA 2**
Sophomores-Seniors

1 semester - 1/2 credit

Prerequisite: Multimedia 1

This course is designed to build upon the foundation established in Multimedia 1. Students will work in a project-based environment to develop a deeper understanding of current multimedia and web design technologies. Instruction will include using hardware and software to capture, edit, create, and compress audio and video clips. Instruction also includes presentation skills, animation, camera operation, video editing, production processes, and audio mixing. Students will write, direct, announce, and assemble raw footage into a polished production. Students will learn about basic app development and careers in app development. In addition, students will further develop web design skills by
learning HTML and JAVA coding and analyzing the benefits and limitations of both drag and drop and coding based web design. This course prepares students for a career in the technical aspects of multimedia or web design.

**CONSUMER ECONOMICS** REQUIRED
Seniors or counselor recommendation

1 semester - 1/2 credit

Senior level course required for graduation. Students are instructed in the area of economics primarily focusing on the characteristics of the mixed free enterprise system during the first quarter of the semester. During the second quarter, students will play a simulated “Game of Life” making consumer decisions that include but are not limited to picking a job, buying a car and car insurance, buying or renting a home, choosing health insurance, and more. Students will make a monthly budget to imitate the importance of managing their consumer finances. Per the State of Illinois graduation requirement, the topics will include: Consumer in the Marketplace, Consumer in the Economy, Budgeting, Savings, Investing and Financial Services, Consumer Credit, Taxes, Insurance, Consumer Services, Housing, Food, Transportation, Clothing, Health Care, Recreation, and Home Furnishings/Equipment, as well as career exploration and insight into Macro/Micro Economics.

**INCubatoredu ENTREPRENEURSHIP**
Sophomores - Seniors

1 year - 1 credit

This course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of idea, market research, and business plan development. Over the course of the year, student teams will learn about marketing, accounting, as well as the legal aspects of starting a business. They will have access to a network of professionals to further develop their skills (teamwork, problem solving, presentation, communication) for college and career readiness. Pitch Week helps to further fire the entrepreneurial spirit by putting student teams in front of a panel of real entrepreneurs and investors so they can pitch their innovative idea.

**COOPERATIVE EDUCATION (CO-OP)**
Juniors or Seniors - must apply to be in this course.
(Must be taken during students' first year of On-the-Job Training)

1 year - 1 credit

Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations. Students may be involved in a work-study program during their junior and/or senior years. Students are required to take a class (Co-op) for one credit and receive two credits for on-the-job training.

**ON-THE-JOB TRAINING**
Juniors or Seniors - must apply to be in this course.
(pairs with first year of Cooperative Education)

1 year - 2 credits

Interrelated Cooperative Education provides training to high school students through on-the-job experiences related to the students’ career goals and abilities. Learning experiences in an employment situation are correlated with the Co-op classroom experience.

**WEB DESIGN 1 & 2**
Juniors or Seniors

1 semester - 1/2 credit

This course includes: hands-on training in page creation, site architecture, and file transfer techniques, as well as visual design principles, graphic production skills, and site automation strategies. Studies include work with HTML code as well
as other template coding. Server-side includes: Adobe Photoshop, Adobe Dreamweaver, and Flash. Students leave the course with the hands-on experience needed to design and produce professional quality website
FAMILY & CONSUMER SCIENCES

Allergens including tree nuts, peanuts, wheat, soy, fish, shellfish, milk, and eggs are used in all culinary courses and may come into contact with other food products, equipment, and/or surfaces being used.

**Kitchen Basics 9, 10, 11, 12**
Counselor Placement 1 year - 1 credit

This sequence of courses includes classroom and laboratory experiences needed to develop basic knowledge and understanding of culinary principles and nutrition. The areas of emphasis include: basic nutrition knowledge, measurement skills, use of basic kitchen equipment, food safety and the prevention of food-borne illnesses, and basic cooking methods. Each course continues the instruction at the student’s level from the previous course.

**NUTRITION & CULINARY ARTS ESSENTIALS** 1 semester - 1/2 credit

This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. The course provides a background for advanced coursework. The areas of emphasis include: basic nutrition knowledge; measurement skills; use of basic kitchen equipment; food safety, and the prevention of food-borne illnesses, and basic cooking methods.

**NUTRITION & CULINARY ARTS I** 1 semester - 1/2 credit
Prerequisite: Nutrition & Culinary Arts Essentials

This intermediate course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition for people of all ages. The course content centers around the following areas: etiquette, nutrition, baking (cookies & quick breads), careers in nutrition and culinary arts and food preparation (grains, pasta, eggs, fruits, and vegetables).

**NUTRITION & CULINARY ARTS II** 1 semester - 1/2 credit
Prerequisite: Nutrition & Culinary Arts Essentials

This course provides basic skill development for continued course work in food service occupations, meeting health and safety requirements in planning, preparing and serving food; maximizing resources when planning/preparing/serving food; promoting hospitality in food practices; and dietary needs and trends. Safety and sanitation, as well as careers in food service industries are also included. All of these concepts can be interpreted through laboratory experiences. The course also focuses on the following food preparation areas: baking (yeast breads), dairy, meat, poultry, fish, soup, and salads.

**MULTICULTURAL FOODS** 1 semester - 1/2 credit
Juniors or Seniors
Prerequisite: Nutrition & Culinary Arts I or II

This course provides students the opportunity to improve their culinary skills while exploring world cultures through food. Students are introduced to a variety of regional, national and international cuisines with a focus on elements such as geography, climate, dietary habits associated with cultural beliefs, and the association of foods with specific holidays. Preparation of ethnic and regional recipes allows for application and the development of knowledge and skills in culinary arts.

**PASTRY ARTS** 1 semester - 1/2 credit
Juniors or Seniors
Prerequisite: Nutrition & Culinary Arts I or II

This course is designed to provide students with practical application in the areas of cake production and design, candy making, and pastries. Emphasis will be placed on baking techniques and product presentation. Information and experiences related to pastry arts are incorporated throughout the course. This course also has a portfolio element.
This course addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. This course is designed to help students think through the responsibilities, satisfactions, and stresses of parenthood. Special attention is given to the needs of teenage parents and to the importance of readiness for parenthood. Students are responsible for the care of a computerized baby for a time determined by the teacher and will explore opportunities in human services and education-related careers and develop a career portfolio.
FOREIGN LANGUAGE

**SPANISH 150**
Must be enrolled in English 100 or 100 Honors as a Freshman

Spanish 150 is an introductory course designed to establish correct habits of speech in the language through performance in reading, writing, speaking and listening activities performed both individually and in cooperative groups. These skills are developed progressively. Because the key to success in foreign language lies in exposure to the language, much of the class instruction is conducted in Spanish. Grammar study is interrelated with communication skills. Cultures of Spanish-speaking countries are studied throughout the course.

**SPANISH 250**
Prerequisite: Spanish 150

Spanish 250 is designed to further develop those speaking, reading, writing, and listening skills acquired in Spanish 150. There is an increasing emphasis on writing and reading as the course progresses. Because the key to success in foreign language lies in the active use of the language, teachers and students use predominantly Spanish in the classroom. Grammar study is continued through written context and interactive communication skills. Cultures of Spanish-speaking countries are studied throughout the course.

**SPANISH 350**
Prerequisite: Spanish 250

This course builds on the skills acquired in Spanish 250. Throughout the year previously learned materials and grammar will be reviewed and expanded through an increased emphasis on reading, writing, listening and speaking skills. New grammar and vocabulary topics will also be introduced. Spanish speaking countries and cultures will also be studied. Short stories will be included.

**SPANISH 450**
Prerequisite: Spanish 350

This course builds on the skills acquired in Spanish 350. Focus will be on review of application of previously learned grammar and advanced grammar topics. There will be an emphasis placed on speaking, writing, reading, and listening skills. Students will focus on literature, culture, and use of the language.

**Latin American Heritage**
Sophomores-Seniors

The primary purpose of the course is to stimulate thought and to encourage students to make valid generalizations and intelligent assessments of the forces and events that have shaped the history and culture of Latin America. Topics include geography; pre-Hispanic civilizations; Spanish exploration; Spanish American empire; Mexico and its changes over time; independence movements in Central and South America, historical development of Central and South America, origins and problems of Latin America, Central and South American relations with the United States, early history of the Caribbean area, recent events in the Caribbean, and cultural development of Latin America.

**Spanish Literature and Culture**
Sophomores-Seniors

This is a full year Spanish course for native speakers of Spanish and students who have completed Spanish 350. It should be taken by native speakers instead of Spanish 150. This course introduces students to well-known Spanish authors. Students will develop their proficiencies across the full range of language skills and reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish. An emphasis will be placed on developing critical reading and analytical writing skills in Spanish.
ENGLISH LANGUAGE LEARNERS

ESL WRITING WORKSHOP
Counselor recommendation

This course is designed to broaden and deepen students’ linguistic foundation (vocabulary and grammar knowledge) as well as refine their language skills (reading, writing, listening, and speaking) within a communicative academic context. Instruction at this level is designed to familiarize students with organizing, paraphrasing, summarizing, and synthesizing academic English in both spoken and written forms.

ESL STRATEGIES
Counselor recommendation

This course is designed to allow students to efficiently and independently meet the curricular demands of the other core academic classes as well as high-stake assessments. Strategy instruction will be used to focus on test taking, note taking, and classroom preparedness. Strategies are also designed to help students sustain success in other classes by effectively organizing materials, as well as identifying resources to support their learning process.
INDUSTRIAL DESIGN

INTRODUCTION TO TECHNICAL DESIGN) 1 year - 1 credit

Introduction to Technical Design is a beginning course of general drafting fundamentals in which the students learn the use of drafting, equipment, and materials and techniques as a universal means of technical communication. Students will be given experience in mechanical and architectural drafting. Drafting techniques are studied, and drawings made with emphasis on the concepts of shape and size description through multi-view and pictorial drawings as used in mechanical drawings. Students will also learn to apply basic methods and techniques needed to make architectural drawings. Freehand technical sketching and lettering are practiced as a rapid method of expressing ideas. Students become acquainted with various occupations and opportunities requiring a working knowledge of drafting.

There may be some expense for drafting supplies and shop/lab materials.

TECHNICAL DRAFTING 250 1 year - 1 credit
Sophomores-Seniors
Prerequisite: Introduction to Technical Design

Technical Drafting 250 is an advanced course in technical drawing, consisting of machine-related drawing including developmental views, sectional views, auxiliary views, exploded views, assembly drawings, threadwork, tolerancing, dimensioning and other related areas. Computer assisted drafting (CAD) equipment and concepts are introduced. Coursework will also deal in architectural-related drafting including designing, making pictorial drawings, and scale models of buildings. Conventional design methods utilizing efficient use of space and materials are stressed. 3D and blueprint design techniques will be introduced.

There may be some expense for drafting supplies and shop/lab materials.

PRODUCTION TECHNOLOGY SHOP 1 year - 1 credit
Prerequisite: Introduction to Technical Design

This course utilizes the basic skills learned in Orientation to Technology to begin a study of Production Technology and woodworking. Students will use shop tools and equipment to gain experience and understanding in the production of various projects. Skills in both individual and team approaches to problem solving will be developed. Projects will consist of school improvement activities, community projects, and cooperative projects with other classes/clubs. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods to develop technical skills related to masonry, carpentry, and finish work. Instruction includes safety principles and practices; recognition of standard lumber sizes; foundation layout methods; building concepts and procedures; local, state, and national codes; cost estimating; and blueprint reading. Appropriate safety procedures will be taught and practiced in all phases of shop activities. Leadership skills are developed through participation in industrial education student organizations.

There may be some expense for shop/lab materials.

INDEPENDENT CAD 1 year - 1 credit
Prerequisite: Drafting 250

This course provides a strong background for students interested in fields requiring technical drawing skills such as engineering, architecture draftsmen etc. The preparation of students for advanced work in post-secondary programs or for semi-skilled job entry is emphasized. Students work with instructor on developing individualized curriculum pertaining to the area of student interest. The student is given the opportunity to explore and apply previously learned skills in the areas of architecture, structures, design, machine drafting, electronic/electricity drafting, graphical representation, technical writing or similar fields. Using and producing Computer Assisted Drafting drawings using the latest AutoCAD 2D, AutoCAD 3D, Inventor, Revit, AutoCAD Architectural. ~ The class can be arranged for most class periods of the day. This course may be repeated.

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MUSIC AND THEATRE

**Intro to Musical Concepts I/II**  
1 semester - 1/2 credit

In this one-semester class, students of all ability levels will collaborate to create and experience music through vocal and instrumental performance. Students will share their love of music with their peers in a relaxed atmosphere that fosters openness, creativity and cooperation. Repertoire will vary by semester. *Intro to Musical Concepts I and II can be taken in ANY order.*

**Intro to Theatre Arts I**  
1 semester - 1/2 credit

This is a one-semester, introductory-level class exploring aspects of acting and the dramatic arts. Students will begin by recognizing the history of the theatre. Students will also learn to explain stage terminology and examine the basics of technical theatre. Students will participate in a variety of dramatic performances, including pantomime, improvisation, monologues, duet acting and group scene work. This class may include a field trip to watch a live performance.

**AMERICAN MUSICAL THEATRE**  
1 semester - 1/2 credit

American Musical Theater (AMT) is a music appreciation course that focuses on the development of Broadway Musicals and musical theatre in America. The course will begin with a look at the major influences of musical theatre, focusing on the way the genre has developed and the impact musical theatre has had on culture in this country. Students will gain a better understanding of Broadway shows, writers, and performers over the last 100 years through analysis, application, and both critical and creative thinking.

**AMERICAN POPULAR MUSIC**  
Sophomores-Seniors  
1 semester - 1/2 credit

American Popular Music (APM) is a course that focuses on the cultural origins of American Popular Music, beginning in the early 20th Century. This course will focus on the development and social interaction of the Swing Era of Jazz and the rise of Rock n’ Roll as well as other forms of popular music. Students will gain a deeper knowledge of musical influence on American culture through analysis, application, and both critical and creative thinking.

**MUSIC THEORY**  
Sophomores-Seniors  
1 semester - 1/2 credit

Music Theory is designed to encompass an in-depth study of the fundamental elements of music: pitch, rhythm, melody, harmony, and form; and to explore the theoretical constructs of the 17th, 18th, 19th, and 20th centuries. Through improvisation, composition, analysis, critical listening, and performance, the elements of music will be examined for their distinctive roles in musical organization. The course will also provide an overview of the historical, cultural, and artistic setting of the works utilized for illustrative purposes.

**CONCERT BAND**  
1 year - 1 credit

Concert Band is a performing ensemble whose goal is to perform the highest possible level of wind literature possible. By focusing on the fundamentals necessary for a high school band to progress in musical ability. Concert band will strive to consistently mature as an ensemble. The goals of this ensemble are to build proper technique, tone, intonation, rhythm, and sight-reading skills.

Students enrolled in the Concert Band will be provided with a number of performance opportunities that include participation in competitive marching band festivals, non-competitive marching band exhibitions and the IHSA Solo and Ensemble and Organizational Contests, as well as tours of out of state venues.

**Participation in the Concert Band includes full participation in the GKHS Marching Band and the Pep Band.**

*Color guard members can be enrolled in Concert Band for first semester only and earn 1/2 credit.*
**SYMPHONIC BAND** (Spring semester only)  
Prerequisite: enrolled in concert band first semester (unless approved by director) and audition  
1 semester - 1/2 credit

The Symphonic Band is a performing ensemble whose goal is to perform the highest possible level of wind literature possible. By focusing on the fundamentals necessary for a high school band to progress in musical ability, Symphonic Band will strive to consistently mature as an ensemble. The goals of this ensemble are to build proper technique, tone, intonation, rhythm, and sight-reading skills. Participation in the Symphonic Band includes full participation in the Genoa-Kingston High School Marching Band and the Pep Band.

Students enrolled in the Symphonic Band will be provided with a number of performance opportunities that include participation in competitive concert band festivals, Illinois Superstate recording sessions, and the IHSA Solo and Ensemble and Organizational Contests, as well as tours of out of state venues.

**JAZZ ENSEMBLE**  
Counselor recommendation with instructor audition  
1 year - 1 credit

The Jazz Ensemble is a performing ensemble that strives to perform the highest level of jazz literature possible. Students will perform a variety of styles ranging from Swing and Be-Bop to Rock and Jazz. The Jazz Ensemble performs at numerous school and community events and festivals. Participation in the Jazz Ensemble provides the opportunity to discover great jazz musicians on every instrument, as well as perform with professional jazz musicians. Because of the strong performance demands of the Jazz Ensemble, participation in the Concert Band as well is strongly encouraged.

**PERCUSSION ENSEMBLE**  
Counselor recommendation  
1 year - 1 credit

The Percussion Ensemble participates fully in all performances and obligations of the Concert Band. Additionally, students will have the opportunity to learn winter drum line and percussion ensemble music to perform at concerts and IHSA Solo and Ensemble contest. Students are admitted into Percussion Ensemble by instructor approval.

**CHORUS**  
1 year - 1 credit

Chorus is open to all students. Students are expected to attend several performances scheduled throughout the school year. Students will develop vocal technique in a variety of musical styles, ranging from the Middle Ages to contemporary literature. Students will also develop music reading and tonal memory skills.

**CHAMBER CHORUS**  
Sophomores-Seniors  
Counselor recommendation with instructor audition  
1 year - 1 credit

This performance-based group is open to grades 10 through 12 through auditions held at the director’s discretion. Advanced choral techniques will be studied. An additional focus of the class is on mastery and performance of many different styles of literature. Students will be encouraged to pursue individual and small group performance opportunities, including festival auditions and the IHSA Solo and Ensemble Contest.

**INDEPENDENT STAGE TECH**  
Teacher recommendation only  
1 semester - 1/2 credit

Independent Stage Tech is a one-semester course intended to help students develop experience and skill in one or more aspects of theatrical production. This could include lighting, costuming, set construction, makeup and stage management. Students will concentrate on improving technique, as well as expanding knowledge of different types of theatrical techniques and traditions. **This course may be repeated and will be offered both semesters.**
KISHWAUKEE EDUCATION CONSORTIUM

2020-2021
Regional Course Descriptions
The Kishwaukee Education Consortium is a cooperative, Education for Employment Delivery System made up of area high schools, Kishwaukee College and other agencies. The KEC provides a variety of career and technical programs where students gain knowledge and skills for immediate employment after high school or for advanced educational programs. Workplace, basic academic and transition skills are taught as an integral part of each course.

Prerequisites
Enrollment in KEC career and technical classes is open to high school juniors and seniors from KEC school districts. Some classes offered have high school or KEC course prerequisites. See course descriptions or your guidance counselor for information.

High School Credit
Students typically earn two high school credits for successfully completing KEC course requirements for the year.

**KCC Dual Credit/Dual Enrollment** – This allows students to be enrolled at Kishwaukee Community College and their home high school at the same time. Therefore, the student receives college credit as well as high school credit. Enrollment is taken care of through the KEC. The following KEC courses are eligible for dual credit/dual enrollment in 2020-2021: Auto Technology, Aviation Flight Academy, Early Childhood Education 2, Collision Repair Technology, Construction Trades 1, Criminal Justice, Culinary, Diesel Power, Esthetics, EMT-Basic, CNA, Medical Terminology, Sports Medicine, Automated Engineering Technology Academy and Welding Technology. The Senior Business Leadership Academy students receive only college credit.

**WCC Dual Credit/Dual Enrollment** – This allows students to be enrolled at Waubonsee Community College and their home high school at the same time. Therefore, the student receives college credit as well as high school credit. Enrollment is taken care of through the KEC. The following KEC course is eligible for dual credit/dual enrollment in 2020-2021: Fire Science.

Transportation
The home school provides transportation to most KEC classes. Only after receiving permission from the KEC instructor, the home high school principal and parent/guardian is a student allowed to drive. Seniors in level 2 courses may have to provide their own transportation due to the college schedule. However, permission still must be obtained.

Costs
Certain classes require students to purchase tools of the trade and/or safety equipment. See course descriptions for further details.

Additional Information
If you require additional assistance selecting a KEC course, see your counselor or call the KEC office at 815.825.2000 or visit the KEC website at [www.kecprograms.com](http://www.kecprograms.com).
AUTOMATED ENGINEERING TECHNOLOGY ACADEMY (AET) 1 & 2
Location: KEC/Kishwaukee College
2 High School Credits, each course
10 College Credits/Dual Enrollment Available

The Automated Engineering Technology Academy is a two-year high school Career & Technology Education program to prepare students to enter a broad range of career areas which may require an associate or other advanced degree. Students will take coursework at Kishwaukee College and visit engineering and manufacturing sites. Students are eligible to participate in paid internships sponsored by area engineering and manufacturing companies during the summer between their junior and senior year. Students will be introduced to basic machine tool operations. Using the IST Lab (Integrated Systems Technology) the student will be introduced to robotics, hydraulics, pneumatics, mechanical drives, CAD, CNC programming and plastics. These topics are taught through the use of high tech equipment modules that incorporate a “hands on” approach to learning. The program is intended to train students for industrial employment as entry-level toolmakers, tool designers, mechanical drafters, or production/engineering aides. Successful completion of the two-year program is designed to give the students one semester of credit towards the Kishwaukee College A.A.S. degree in Automated Engineering Technology. MT104-Intro to Manufacturing & Safety and MT102-Metrology are taught one year. MT108-Intro to Manufacturing Maintenance and MT215-Manufacturing Processes 1 are taught the alternate year for college credit. Students must provide their own safety goggles. This is a one semester class.

AUTOMOTIVE TECHNOLOGY
Location: Kishwaukee College
2 High School Credits
6 College Credits/Dual Enrollment Available

This course is open to Juniors and Seniors. It offers classroom and laboratory instruction to begin preparation for entry into the field of automotive technology. Students are introduced to the fundamentals of safety practices, proper use of related test equipment and meters. In addition to hands-on work including brake theory and operation, wheel alignment and theory, students will be required to use a textbook for reading and written work. Students should be able to follow multiple-step directions and work both independently and in team situations. Successful completion of this course is the basis for the Kishwaukee College Basic and Advanced Automotive Technology Certificates and Automotive Technology Associate Degree (A.A.S.) Program. AMT125-Automotive Braking Systems and AMT131-Automotive Steering/Suspension are the courses for which students may earn college credit. Students must provide their own 3-ring binder, safety glasses and writing materials and are required to wear proper shop attire and footwear.

AUTOMOTIVE TECHNOLOGY – Early Bird
Location: Kishwaukee College
2 High School Credits
3 College Credits/Dual Enrollment Available

This course is open to SENIORS ONLY. Topics covered will include coverage of electrical theory, Ohm’s Law, starting/charging systems, lighting and other basic electrical systems as well as general maintenance and repair. This course will provide Information and skills needed to enter automotive related occupations or
certificate/degree programs. Students must provide their own 3-ring binder, safety glasses, writing materials and will be required to use a textbook for reading and written work. Students should be able to follow multiple-step directions and work both independently and in team situations. Proper shop attire and footwear are required. AMT116-Basic Automotive Electrical is the course for which students may earn college credit. Students will be required to provide their own transportation because this class meets Monday-Friday at 7:00am–8:30am, please talk with your counselor. All Auto courses are taught by an ASE Master Certified Instructor.

AVIATION FLIGHT ACADEMY 1 & 2
Location: DeKalb Airport
1 High School Credit, each course
8 College Credits/Dual Enrollment Available
Prerequisite: Acceptance into Academy, consent of KEC, parental orientation session at DeKalb Airport, acceptable GPA (determined by school), recommendation of high school, oral interview with KEC Coordinator, good attendance. All students are required, by law, to provide proof of U.S. Citizenship in the form of their birth certificate or U.S. Passport. This course offers classroom and simulator instruction in aviation. The course will give an in-depth insight into the world of aviation and will prepare the student for the FAA Private Pilot written exam. Instruction consists of aerodynamics, FAA regulations, primary navigation, GPS navigation, the use of flight computers, weather, radio navigation, flight instrumentation, performance and limitations, and the ATC environment. In addition, the program utilizes state-of-the-art flight simulators. AVF101-Primary Flight Theory and AVF121-Human Factors for Aviators are the courses for which students may earn college credit.

CERTIFIED NURSE ASSISTANT (CNA)
Location: KEC/Area Healthcare Facilities
2 High School Credits
7 College Credits/Dual Enrollment Available
Prerequisite: Interest & experience in Health Sciences is recommended.

A reading placement test is the first requirement for entry into this class. This course provides a strong base for students who wish to gain experience and background for advanced study in the health and medical fields. Instruction includes orientation to health-related careers, basic patient care skills, medical terminology, nutrition, anatomy, physiology and first aid. In addition, this course prepares students for the Illinois Certified Nursing Assistant exam. This certification is required for employment in a hospital, long-term care facility, or home health care. The State of Illinois has set mandated attendance requirements for classroom (theory) and clinical hours, therefore excellent attendance is crucial. A minimum score of 80% in classroom work must be maintained throughout the year for a student to participate in clinicals and take the state CNA exam in May. Clinical experiences at community health care facilities are an integral part of the program. A two-step TB test and a Flu shot are required by the clinical sites. A criminal background check will be done on all students prior to the start of clinical rotations and students are not allowed to have any convictions. A mandatory urine drug screen will be conducted as well and the results of this screen must be negative for the student to remain in this course. Students are responsible for the costs of the Background Check, Drug Test, TB Skin Test and Flu Shot. Students are also required to purchase a scrub top & pants, stethoscope, blood pressure cuff, wristwatch with a second hand and a pair of vinyl or leather shoes. A valid Social Security Number is required. Students must demonstrate competency in a number of skills and be able to lift a minimum of 25 pounds.
before attending clinicals. NUR100-Basic Nurse Assistant Training is the college class for which students will earn credit. Also available: Certified Nurse Assistant Night Class will be offered Tuesday and Thursday evenings for 3 hours each night (times are TBA). Lectures are presented in an accelerated format. Excellent study skills, time management & attendance are crucial. See your counselor for additional information.

**COLLISION REPAIR TECHNOLOGY 1 (Auto Body)**
Location: Kishwaukee College
2 High School Credits
*8.0 College Credits/Dual Enrollment Available*

This first level course begins preparation for apprentice level entry in auto body repair or further education in the field. Emphasis is placed on the fundamental aspects of collision repair and development of skills in the basic operations required to prepare an automobile for final paint application. Instruction includes safety principles and practices, vehicle nomenclature, function of individual components, parts manuals, and the use of filler and special body repair tools. Techniques stressed are straightening, shrinking, filling and the application of the hammer and dolly, and paint preparation procedures. Mig Welding is taught as it applies to Collision Repair. Successful completion of this course is the basis for the Kishwaukee College Collision Repair Technology Certificate and Associate Degree (A.A.S.) Program. CRT 111 & CRT 112 are the courses for which students may earn college credit. Students need to provide their own safety glasses, work boots and purchase a shop uniform shirt.

**COLLISION REPAIR TECHNOLOGY 2 (Auto Body)**
Location: Kishwaukee College
2 High School Credits
*3.0 College Credits/Dual Enrollment Available*

First Semester -- students will be enrolled in AMT 113-Basic Electrical. This course offers classroom and laboratory instruction and is a required course for students pursuing a Collision Repair Technology Certificate and Associate Degree. Students are introduced to the fundamentals of safety practices and proper use of related test equipment and meters. Topics covered will be theory and operation of basic electrical systems found on the automobile. This includes coverage of basic electrical theory, Ohm’s Law, starting/charging systems, lighting and other basic electrical systems. In addition to hands-on work, students will be required to use a textbook for reading and written work as well as computers for online assignments. Students should be able to follow multiple-step directions and work both independently and in team situations. Students must provide their own 3-ring binder, safety glasses and writing materials. Students are required to wear proper shop attire and footwear.

Second Semester – students will be assigned a special project by the Collision Repair Instructor and the majority of the class time will be spent in the Collision Repair Lab.
COMPUTER INFORMATION SYSTEMS

**Web Development Fundamentals:** Offered during the 2021-22 school year.
Location: KEC
2 High School Credits

Students will learn the fundamental client-side programming skills in HTML5, CSS3 and SASS. Topics covered will include: writing HTML5, writing CSS, writing & compiling SASS, website planning, user experience and interface design (UX/UI), design principles, multimedia elements, basic color theory, basic typography and publishing. Students will work with hypothetical clients to create functional, effective, visually appealing, and responsive websites. Successful completion of this class will prepare students to take the CIW Web Foundations Associate & CIW Web Design Specialist certification exams.

**Computer Information Systems:** Offered during the 2020-21 school year.
Location: KEC
2.0 High School Credits
7.0 College Credits/Dual Enrollment Available

Students will gain a complete, step-by-step approach for learning the fundamentals of supporting and troubleshooting computer hardware and software. This course fully maps to CompTIA's A+ Exam objectives. Specific topic coverage includes: Introducing hardware and operating systems, working with people in a technical world, form factors, PSUs, processors, motherboards, RAM, HDDs, installing and supporting I/O devices, and general PC maintenance. Students will also be introduced to Local Area Networks (LANS). Investigation of basic networking concepts, hardware and software components, protocols, standards, various network topologies and transmission media as well as the fundamentals of network planning and design will be covered. Additional topics covered include: installation and maintenance of Windows OSs, and UNIX/Linux; troubleshooting network problems; network administration functions and duties. CIS140-Networking Fundamentals & CIS142-PC Repair and Configuration are the courses for which students may earn college credits.

CONSTRUCTION TRADES 1 & 2

Location: TBA
2 High School Credits, each course

Construction Trades 2 Prerequisite: “C” grade average and/or consent of instructor.
Construction Trades 1 provides basic training in a controlled lab environment in the following trades: Bricklayer, Carpenter, Cement Mason, Drywall Installer, Electrician, Plumber, and Tile Setter. In addition, Construction Measurement concepts and tool and job site safety are included. After satisfying the required labs, students will then be able to perform under direction from the instructor at a residential or commercial site. Students will have introductory instruction on blueprint reading, building codes, cost analysis and rough and finish carpentry skills. At times, students will be working with local contractors at the job site. Students should not be opposed to working outside in various weather conditions. Students should have an understanding of basic math and geometry and be able to read a ruler. Students must also be able to lift heavy objects, work from ladders and not have a fear of heights. Advanced instruction on blueprint reading, building codes, cost analysis and rough and finish carpentry skills will be provided. Along with more responsibilities at the job site, there will be leadership roles assigned throughout the year. Job shadowing possibilities are
available to those students who show strong work ethics, 90% or better attendance and the ability to work well with others.

COSMETOLOGY 1 & 2
Location: Debutantes or Hair Professionals
3 High School Credits, each course

This program, conducted through a contract with state approved schools of cosmetology, is designed to begin to prepare students to qualify for the Illinois licensing examination in cosmetology. The program consists of 520 hours per year for a total of 1040 hours of the 1,500 hours of instruction required for state licensing. Classroom and practical experiences include a variety of beauty treatments including the care of hair, complexion and hands. Instruction includes: hair cutting, hair styling, chemical treatments, hair coloring and manicuring. Bacteriology, anatomy, hygiene, sanitation, salon management and customer relations are also emphasized. Students should be able to read text materials written at a 10th grade level. They should be able to follow multiple step directions working alone and in a team environment. They should also be able to follow safety procedures and work appropriately with the public. Students should expect to attend class and do clinical work that may extend beyond the regular high school day. For this reason, they should plan to provide their own transportation. Students are responsible for the initial registration cost of TBA as well as the purchase of the personal tools and professional kit which usually runs about TBA, as well as a monthly lab fee of TBA per semester for 2nd year students and TBA per semester for 1st year students. Students are also responsible for the remaining hours of instruction typically completed after high school graduation.

CRIMINAL JUSTICE 1 & 2
Location: KEC
2 High School Credits, each course
12 College Credits/Dual Enrollment Available
Criminal Justice 2 Prerequisite: “C” grade average and/or consent of instructor.

This is a 2 year dual-enrollment curriculum consisting of four subjects with each subject having 3 college credit hours. This program gives an in-depth insight into the real world of the criminal justice system. The course introduces the student to four major areas of criminal justice during the 2 year program. The courses studied are Criminal Investigations, Community Oriented Policing, Introduction to Criminal Justice and Crisis/Conflict Mediation. Students will learn to process a crime scene and preserve evidence as well as note taking, report writing and problem solving skills. Methods used to reduce crime in neighborhoods and effective ways to interact with citizens of the community during a crisis or conflict will be studied. The relationships of various agencies in the criminal justice system and the responsibilities of each agency will be examined. Students will be expected to actively participate in role-playing and hands-on scenarios, follow multiple-step directions and work both independently and in team situations. The successful student will be structured and disciplined with excellent comprehension skills. Excellent attendance and participation in physical fitness training is mandatory. Coursework will provide an introduction to the community college program. Successful completion of this course is the basis for the Kishwaukee College Criminal Justice Associate Degree (A.A.S.) Program. CRJ101, CRJ152, CRJ170 and CRJ201 are the courses for which students may earn college credits. CRJ201-Criminal Investigations and CRJ152-Community Oriented Policing are taught one year and CRJ101-Introduction to Criminal Justice and CRJ170-Crisis/Conflict Mediation are taught the alternate year. Being a dual-enrolled student in the college program, the student is considered a college student when
attending the Criminal Justice CTE program. They will be governed under the requirements of the college as well as the criminal justice instructor. The student may be required to wear a police cadet type uniform on certain days of the week when enrolled in the Criminal Justice Program. A Night Class for Criminal Justice is offered on Tuesday evenings from 5-8pm.

CULINARY AND FOOD SERVICE MANAGEMENT 1 & 2
Location: KEC / Kishwaukee College
2 High School Credits, each course
13 College Credits/Dual Enrollment Available

The Culinary 1 class will provide students interested in the food service industry work in advanced food preparation and food preparation management. Emphasis will be placed on careers in the culinary, food service and hospitality industries. Food Sanitation is incorporated into the classroom instruction, including industry required ServSafe Foodhandler Certification. Students will learn to use commercial food service equipment and practice technical food service preparation skills. Students will be enrolled in the Kishwaukee College Hospitality and Culinary Arts dual credit program. A broad range of food service areas will cover planning, purchasing, food preparation safety and visual presentation followed by evaluation of the finished product. Students will be responsible for the cost of purchasing their own uniforms, textbook rental fees and certification exam fees. Any of the off-site catering events will require students to provide their own transportation. Course work requires internet access for online information, textbooks, workbooks and exams. HOS100-Kitchen Essentials, HOS108-Cooking Fundamentals & HOS113-ServSafe Management Certification are the courses for which students may earn college credit. This course is open to juniors and seniors.

The Culinary 2 class will provide students interested in the food service industry work in advanced food preparation and food preparation management. Emphasis will be placed on careers in the commercial baking, culinary, food service and hospitality industries. Food Sanitation is incorporated into the classroom instruction, including the industry required ServSafe Foodhandler Certification. Students will learn to use the commercial food service equipment and practice technical food service preparation skills while enrolled in the Kishwaukee College Hospitality and Culinary Arts dual credit program. Students will also earn a SkillsUSA Career Essentials Certification for professional and soft skills. Any of the off-site catering events will require students to provide their own transportation. Course work requires internet access for online information, textbooks, workbooks and exams. HOS103-Introduction to Hospitality Management and HOS109-Baking Essentials are the courses for which students may earn college credit. This course is open to SENIORS ONLY.

DIESEL POWER/HEAVY EQUIPMENT TECHNOLOGY 1
Location: Kishwaukee College
2 High School Credits
5 College Credits/Dual Enrollment Available

This course offers an introduction to the theory, operation, maintenance, and repair of all common two- and four-cycle small engines (less than 35hp). Students learn engine overhaul procedures, hydrostatic transmission, transaxle, and differential repair. Also covered are tools and shop equipment commonly used by diesel technicians in the repair industry. Over 35 tools and pieces of equipment will be covered including: hand tools, air tools, precision measuring tools, lifting equipment and engine rebuilding tools. Emphasis will be
placed on safe usage to minimize personal injury and physical damage. This course offers classroom and laboratory instruction. In the lab agricultural equipment and machinery will be repaired to demonstrate tool usage and common repair techniques. For safety reasons, students are not allowed to wear shorts, sweatpants or sandals. Students are required to wear closed toe shoes or boots and blue jeans. Successful completion of this course is the basis for the Kishwaukee College Diesel Power Technology Certificate and Associate Degree (A.A.S.) Program.

DPT175-Intro to Tool Safety & Usage, & DPT199-Small Engine Maintenance & Repair are the courses for which students may earn college credit.

**DIESEL POWER/HEAVY EQUIPMENT TECHNOLOGY 2**

Location: Kishwaukee College  
2 High School Credits  
7 College Credits/Dual Enrollment Available  
Prerequisite: “C” grade average and/or consent of instructor.

This course offers more laboratory experience working on, and maintaining, agricultural equipment and an in-depth study of diesel engines, using the skills learned in Diesel 1 class. This includes principles of operation and repair of four-cycle diesel engines. Students experience the safe use of equipment overhauls. Student disassembles and reassembles lab engine. Additionally, a detailed study of diesel operating principles and how diesel engines differ from other types of internal combustion engines; this includes trouble shooting, maintenance and testing of fuel pumps, fuel filters, and nozzles. Emphasis will be placed on the importance of fuel filtration, selection, and care in handling. For safety reasons, students are not allowed to wear shorts, sweatpants or sandals. Students are required to wear closed toe shoes or boots and blue jeans. Successful completion of this course is the basis for the Kishwaukee College Diesel Power and Technology Certificate and Associate Degree (A.A.S.) program. DPT172-Basic Engine Overhaul, & DPT177-Intro to Diesels are the courses for which students may earn college credit.

**EARLY CHILDHOOD EDUCATION 1 AND 2 (ADVANCED)**

Location: KEC  
2 High School Credits, each course  
3 College Credits/Dual Enrollment Available for Early Childhood Education 2  
Early Childhood Educ 2 Prerequisite: “B” average and/or consent of instructor.

The course is designed to develop the skills required to plan and implement an early childhood program. Students will apply their learning experiences about children through participation in a play-based preschool and possibly an internship at an elementary school or an early childhood program for second year students. Career opportunities related to childcare at the associate and baccalaureate degree level are explored. Students should be reading at 8th Grade level or above. Students must also be able to work in a group setting as well as individually and must be willing to take on a leadership role with same-age classmates along with preschool age children. Students in this class will be receiving instruction related to the basics of early childhood education, and upon completion, will earn the Early Childhood Education Level 1 Credential. This is required in order to work in a childcare setting or move on academically in this profession. Successful completion of this course is the basis for moving into an Associate or Bachelor degree college program. ECE112-Guiding Young Children is the course for which students may earn college credit for Early Childhood Education 2.
EMERGENCY MEDICAL TECHNICIAN – BASIC (EMT-B)
Location: Sycamore Fire Department
2 High School Credits
College Credit: 7 College Credits/Dual Enrollment Available

The EMT-B certificate program provides training in the emergency medical field. Students will learn to recognize the nature or extent of a patient’s condition, administer appropriate emergency medical care to stabilize their condition and prepare them for transport to the proper medical facility. The curriculum follows the Illinois Department of Public Health (IDPH) for EMT-B training. Students will receive in-class lecture and skills training including CPR training, as well as 20 hours of hands-on clinical experience. To be eligible for employment as an EMT-B, students must successfully complete the class and must take and pass the National Registry EMT-B Test to obtain their license.

EMS107-Basic Emergency Medical Technician is the college class for which students may earn credit.
Pre-requisites: The EMT-B course will be available to SENIORS ONLY who have a cumulative GPA of 3.25 or higher at the end of Quarter 2 of their junior year. All applicants then must also have a college-level reading score. This can be demonstrated by ACT/SAT scores, cumulative high school GPA of 3.5 after five high school semesters, WriterPlacer score of 5-8, or a Reading Comprehension score of 70 (scores of 62-69 may be considered by KEC administration). Students are responsible for the costs of the required Background Check, Drug Test, TB Skin Test and Flu Shot.

ESTHETICS & FIRST AID (Preparation for health & skin care professionals)
Location: Kishwaukee College - Room B1243
2 High School Credits
5 College Credits/Dual Enrollment Available

This course is offered as an introduction for those interested in pursuing an esthetics certificate or other health related careers and certifications. An Esthetician is a skin care specialist in a nonmedical function. As licensed professionals, estheticians provide many services, such as facials, to improve the appearance and health of skin.
The class topics will be split during the week between 3 subjects:
Esthetics is taught twice a week and is an introduction to the basic principles of esthetics. Students will learn the history of esthetics and career options available to licensed Estheticians. Professionalism, proper communication, infection control, draping and physical components of the esthetics environment will be discussed. General theory as well as practical application will be included.
EST100-Intro to Esthetics will be the course for which the student will earn college credit.
Massage is taught once a week and serves as an introduction to the basic principles and techniques of massage therapy. Students will learn the basic Swedish massage techniques and how to apply them. Basic anatomy and physiology of the major muscle groups, bony landmarks, and contraindications will be addressed. TPM100-Intro to Massage is the course for which the student will earn college credit.
First Aid is taught twice a week and prepares the student for administering basic first aid; and adult, child, and infant cardiopulmonary resuscitation (CPR). The class incorporates personal safety and accident prevention information as part of first aid. Upon successful completion of the course, the student will receive American Red Cross (ARC) certification in Responding to Emergencies and Community CPR. PE162-First Aid & Emergency Response is the course for which the student will earn college credit.
FIRE SCIENCE 1
Location: KEC and Cortland Fire Department
2 High School Credits
16 College Credits/Dual Enrollment Available thru Waubonsee Community College

This course is a study of techniques used in fire fighting and covers the subjects required by the Office of the State Fire Marshal for certification at the Basic Operations Firefighter level. This course incorporates a fire department atmosphere into the training. Students will take part in classroom lectures, demonstrations, hands on practice of individual skills and training responses. This program emphasizes the knowledge, individual skills and teamwork skills necessary for an entry level position with a fire department. Students are required to wear a uniform to class each day, which is available for purchase prior to the beginning of the school year. Additional hours will be required outside of class. Students must be able to perform the required physical skills within the classroom setting, including, but not limited to, fire suppression simulation, rescue training, and emergency medical services training. Students shall be able to lift a minimum of 50 lbs in order to complete physical tasks that are mandatory for passing skills testing. (Turnout gear and SCBA weight is approximately 25 lbs.)

FSC 105-Basic Operations Firefighter Module A, FSC115-Basic Operations Firefighter Module B, FSC 118-Basic Operations Firefighter Module C, FSC120-Hazardous Materials Operations and FSC215-Vehicle Operations are the courses in which the student may receive college credit through Waubonsee Community College.

FIRE SCIENCE 2
Location: KEC and Cortland Fire Department
2 High School Credits
Prerequisite: Successful completion of all Fire Science 1 Certifications
11 College Credits/Dual Enrollment Available thru Waubonsee Community College

Advanced hands-on experience and more in-depth study of what firefighters do at the scene of the fire. Students will be engaged in classroom and hands-on activities related to fire, rescue and hazardous materials scene operations. Also included will be vehicle extrication, fire behavior, building construction and ladders while wearing personal protective equipment. Various drills will be practiced to challenge and evaluate student progress. This class will continue the development of leadership and communication skills learned in Fire Science 1 as students prepare to pursue career opportunities with local fire departments. FSC125-Advanced Technician Firefighter, FSC140-Fire Apparatus Engineer and FSC150-Vehicle and Machinery Operations are the courses in which the student may receive college credit through Waubonsee Community College. To be eligible for employment as a Fire Fighter in the state of Illinois, students must successfully complete the class and once they reach 18 years of age, must take and pass multiple State of Illinois Certification tests to obtain their Fire Fighter license.

MEDICAL TERMINOLOGY / HEALTHCARE CAREERS
Location: KEC/Area Healthcare Facilities
2 High School Credits
3 College Credit/Dual Enrollment Available

These courses will prepare students interested in the healthcare field for healthcare programs at the advanced level (i.e. medical assisting, surgical technology, occupational or physical therapy, nursing, radiology and many others). Many colleges/two-year programs require a biomedical terminology course as a prerequisite to
admission to such programs. With an opportunity to earn dual credit for a comprehensive biomedical terminology course and overview of health science pathways and careers, this program can be a head start. As an added benefit, you will learn basic healthcare skills too.

First Semester, students will focus on Medical Terminology. Students will receive dual credit for OS216-Medical Terminology. Second Semester, students will advance the medical terminology with an overview of healthcare careers and will reinforce this learning through: field trips, medical rotations and community service projects. Excellent attendance is essential for success in this program.

Prerequisites: Students must have a cumulative high school GPA of 3.0 or higher after at least 3 semesters and all applicants must then also have a college-level reading score. This can be demonstrated by ACT/SAT scores, a WriterPlacer score of 5-8, or a reading comprehension score of 70 (scores of 62-69 may be considered by KEC administration). Students who have taken and passed the Certified Nurse Assistant course with a grade of “B” or higher will automatically qualify for this class. To qualify for clinicals students must complete a Background Check, Drug Test, TB Skin Test and Flu Shot. Students are responsible for the cost of clinical requirements.

MASS COMMUNICATION 1 & 2
Location: KEC
2 High School Credits
Mass Communication 2 Prerequisite: “C” grade average and/or consent of the instructor.

Mass Communication includes video production, photography, graphic design, journalism, and animation. Students will get real world experience in a classroom setting. Some of the projects that students in Mass Communication complete include commercials, films, music videos, and logos. Guest speakers who are professionals in the Mass Communication industry will share their knowledge and insight. Field trips to companies, agencies and TV stations will enhance the real life application.

SPORTS MEDICINE – (New Class in the 2019-20 school year)
Location: KEC/Area High Schools
2 High School Credits
3 College Credits/Dual Enrollment Available

This course focuses on the anatomy of the skeletal, muscular and nervous systems. Students will receive skills training and in-class lectures including anatomy, common sports injuries, basic treatment, rehabilitation protocols, concussion recognition and management as well as taping and bracing procedures. Students are required to perform 15 hours of professional job shadowing outside of regular class time. The job shadow experiences will be arranged by the instructor. Students are responsible for the costs of the required Background Check, Drug Test, TB Skin Test and Flu Shot.

PE162-First Aid & Emergency Response is the course for which the student will receive college credit. Sports Medicine Prerequisite: Students must pass Biology I (or equivalent) with a “B” or higher and all applicants must then also have a college-level reading score. This can be demonstrated by ACT/SAT scores, a WriterPlacer score of 5-8, or a Reading comprehension score of 70 (scores of 62-69 may be considered by KEC administration).
WEB DEVELOPMENT FUNDAMENTALS: Offered during the 2021-22 school year.
Location: KEC
2 High School Credits

Students will learn the fundamental client-side programming skills in HTML5, CSS3 and SASS. Topics covered will include: writing HTML5, writing CSS, writing & compiling SASS, website planning, user experience and interface design(UX/UI), design principles, multimedia elements, basic color theory, basic typography and publishing. Students will work with hypothetical clients to create functional, effective, visually appealing, and responsive websites. Successful completion of this class will prepare students to take the CIW Web Foundations Associate & CIW Web Design Specialist certification exams.

WELDING TECHNOLOGY 1 & 2
Location: Sycamore High School
2 High School Credits, each course
8 College Credits/Dual Enrollment Available
Welding 2 Prerequisite: “C” grade average and/or consent of instructor.

This course, designed to develop job entry skills or prepare for advanced college course work leading to professional welder certification, combines classroom instruction with “hands on” laboratory experience. Procedures covered in this course include shop safety, oxyacetylene welding, brazing and cutting, all position SMAW and GMAW welding. Students in the second year program gain experience in advanced welding practices using SMAW and GMAW processes. All students are required to purchase and wear safety glasses, appropriate clothing, and equipment. Instructor will present samples and store locations that supply the proper equipment on the first day of class. WT122-Shielded Metal Arc Welding, WT126-Gas Metal and Flux Cored Arc Weld, WT116-Fundamental Welding Processes and WT128-Oxyfuel Welding/Cutting are the courses for which students may earn college credit. Please note: WT122 and WT126 are taught one year and WT116 and WT128 are taught the alternate year. This is a one semester class.

SENIOR BUSINESS LEADERSHIP ACADEMY
Location: High School & Various Business Locations
3 College Credits - No High School Credit
Prerequisite: Grade 12 and recommendation of high school counselor

The purpose of this year-long course is to expose students to a broad range of businesses and organizations. The class is designed to give students an understanding of the functions, principles, policies, problems and career opportunities within the corporate structure. Emphasis is on developing networking skills through interaction with businesses in our local and surrounding communities. Class size is limited. Interested students will be asked to complete an application and interview process. BUS107-Business Seminar is the course for which students may earn college credit.