



# Alden-Hebron High School CURRICULUM GUIDE



**Alden-Hebron High School will enable every student the opportunity for personal growth and academic success now and in the future. At Alden-Hebron High School we believe**

- **That success derives from personal initiative with support and open communication from the teachers, parents, and the community.**
- **It is important to provide rigorous, relevant, and hands-on experiences to promote life-long learning.**
- **Providing a respectful, responsible, and safe school enables our learners to obtain their full potential.**

*Alden-Hebron District 19 ensures that equal educational opportunities are offered to students, regardless of race, color, national origin, age, sex, religion, or handicap. Questions in reference to educational opportunities may be directed to the superintendent at the following address and phone number: Alden-Hebron High School, 9604 Illinois Street, Hebron, Illinois 60034 (815) 648-2442*



Dear Students and Parents/Guardians:

Alden-Hebron High School has a proud tradition of offering an outstanding program of academic courses, athletic programs, and co-curricular activities. Our mission of Success for Every Student leads us to seek offerings that best prepare students for life after high school. This coursebook provides a brief description of every course. We offer a wide array of courses in all subject areas demonstrating our commitment to helping all students establish a broad foundation for future learning in college, in the workforce, and beyond.

High school course selection can play a significant role in a student's future options. Designing a four-year, goal-oriented plan with an advisor is an integral part of the development of a coherent approach to course selection. We want every student to be prepared for the future and that starts by making informed choices regarding the classes to pursue in high school.

It is critical for both students and parents/guardians to be involved in the course selection process and work closely with the advisor to make selections. Your advisor is there to assist you along the way. Feel free to ask questions. You can also ask teachers about courses. Seeking out the necessary information will help you make better decisions about your classes for the next year.

In closing, the faculty and staff at Alden-Hebron High School are here to support the success of every student. Your involvement in that process is essential. As you progress through your four years at Alden-Hebron High School, we hope that every student is prepared for future success.

Sincerely,

Aaron T. Butler  
Principal





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# PORTRAIT OF A ALDEN-HEBRON GRADUATE



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## AHHS COMMITMENTS

### COMMITMENT TO SELF

- Pursue a balanced high school experience.
- Foster responsible, healthy, and ethical decision-making skills.
- Develop a sense of resilience and self-awareness.
- Demonstrate self-empowered and life-ready skills.

### COMMITMENT TO OTHERS

- Celebrate, honor, and respect diverse people and perspectives.
- Develop a sense of empathy for those around them.
- Serve local, national, and global communities.
- Engage in civic duties and responsibilities.

### COMMITMENT TO LEARNING

- Strive for continuous improvement.
- Foster a curious, creative, and innovative mind.
- Sustain a growth mindset when facing new challenges.
- Develop problem-solving and reflective skills.
- Collaborate and learn from and with others.





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## VISION STATEMENT

Alden-Hebron High School will enable every student the opportunity for personal growth and academic success now and in the future.

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## CULTURE FOR LEARNING

In order to ensure “Success for Every Student,” all decision-making processes will be based on the best interests of our students and their learning. We will promote social-emotional learning and a healthy life balance for all students as we nurture continuous improvement and growth in their curricular and co-curricular experiences. We will encourage students to set attainable and aspirational goals, learn the value of hard work and dedication, and embrace the challenges and opportunities they will experience in high school and beyond.

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## COMMUNITY ENGAGEMENT

In order to ensure “Success for Every Student,” we will actively engage and support the Alden-Hebron High School community. We value and respect our community’s diverse perspectives, and will provide opportunities for parents/guardians and others to inform and support the vision and values of our school. We will forge collaborative partnerships with those who share expertise, providing authentic and innovative student-learning experiences. We are committed to utilizing our resources and facilities to develop and implement educational and recreational opportunities as we work to connect the community and school.

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## EQUITY, ACCESS, AND INCLUSIVITY

In order to ensure “Success for Every Student,” we will recognize every student as a valued individual. Students will learn in a safe, inclusive space, where they are taught to understand the value of their own experiences in relation to other, diverse perspectives.



## COURSE SELECTION

Each year, students meet with the academic advisor to choose courses for the following academic year. Students may receive recommendations from classroom teachers for continuation in required courses. Students also choose electives and other academic courses not required for graduation. Students must earn 23 credits to graduate. Course verification sheets are sent home each spring to ensure accuracy. The master schedule is created based on the student selection of courses. After creating the master schedule, elective changes will be based on course availability. Please note that some courses will run in alternate years.

### QUESTIONS TO GUIDE SELECTION PROCESS

- How will your course choices challenge you to grow as a learner?
- What new skills would you like to develop during high school?
- How will your course choices prepare you to achieve your post-secondary goals?
- How will you ensure a balance between classes, co-curricular activities, and other areas of your life?

## SCHEDULE CHANGES

Each year, a new master schedule is created to accommodate students' course selections. Students may modify their course requests at designated times depending on course availability. Students may access their courses in PowerSchool.

*\*ONCE THE SEMESTER HAS BEGUN, SCHEDULE CHANGE REQUESTS MUST ADHERE TO THE FOLLOWING GUIDELINES:*

### ADDING A COURSE

Students may add a course in place of a free hour, study hall, or another class during the first three days of the school year if space is available in the course. Students must consult with the teacher regarding make-up requirements for any missed content.

### DROPPING A COURSE

Students may withdraw from a course up to the first three days of the school year. Students who drop a class after this time may receive a grade of "WF" and have a failing grade included in their grade point average.

## GRADUATION REQUIREMENTS

Students must earn a minimum of 23 credits to graduate from Alden-Hebron High School. Most students, however, graduate with 28 or more credits. Each semester a grade of 60% or higher will earn a 1/2 credit. Each student must complete eight semesters of high school study. The following list is the subject requirement breakdown.

## MINIMUM GRADUATION CREDIT REQUIREMENTS

**English .....4 credits**

- *Eng. I* 1.0 credit
- *Eng. II* 1.0 credit
- *Eng. III* 1.0 credit
- *Eng. elective* 1.0 credit

**Mathematics .....3 credits**

- *Alg. I* 1.0 credit
- *Geometry* 1.0 credit
- *Math elective* 1.0 credit

**Laboratory Science.....2 credits**

**Social Sciences.....3 credits**

- *World History/Modern World History* 1.0 credit
- *U.S. History* 1.0 credit
- *US Constitution* Pass
- *IL Constitution* Pass
- *Government/Civics* .5 credit
- *Personal Finance* .5 credit

**Physical Education.....3.5 credits**

**Health/CPR..... .5 credit**

**Driver Education Classroom..... .5 credit**

*If taken privately, the student must submit "Certificate of Successful Completion" from a driving school.*

**Foreign Lang., Art, CTE, or Music.....1 credit (-2031)**

*A student must take one year (two semesters) of one of the above elective programs. Starting with the class of 2032, students must take 2 credits of a foreign language.*

**Additional Electives.....5.5 credits**

**FAFSA .....non credit**

- *Copy of Confirmation Email or Waiver*

**SAT Exam ..... non-credit**

**Total Credits..... 23 credits**



## SPECIFIC GRADUATION REQUIREMENTS

### CIVICS AND PATRIOTISM GRADUATION

**REQUIREMENTS:** Students who pass their required government course satisfy the one semester (.5 credit) state civics requirement. Students must also pass specific assessments required in the U.S. History course to satisfy the state requirement for graduation. American patriotism and principles of representative government as enunciated in the Declaration of Independence, the U.S. Constitution, the Illinois Constitution; proper use and display of the flag; and method of voting by means of the Australian Ballot System and the method of counting votes for candidates.

### DRIVER EDUCATION GRADUATION REQUIREMENT:

The State of Illinois Driver Education requirement may be satisfied by: completing Driver Education at Alden-Hebron, submitting a Certificate of Successful Completion from a commercial school, or submitting a copy of the student's Illinois driver's license if issued prior to age 18. Students must earn eight credits in their previous two semesters in order to be eligible for Driver Education.

**ELECTIVE GRADUATION REQUIREMENT:** At least one of the 6.5 elective credits must come from any of the following divisions: Music, Art, Foreign Language and/or CTE.

### PERSONAL FINANCE/ECONOMICS GRADUATION

**REQUIREMENT:** Students must complete a semester (.5 credit) of personal finance/economics. This requirement can be fulfilled by one of the following courses: Personal Finance, AP Macroeconomics, AP Microeconomics.

**ENGLISH GRADUATION REQUIREMENT:** Eight semesters (4 credits) are required for graduation. For these classes, three writing-intensive courses are required: English I, English II, and English III.

**HEALTH GRADUATION REQUIREMENT:** One semester (.5 credit) of Health Education is required for graduation, including participation in a unit on Adult CPR.

**MATHEMATICS GRADUATION REQUIREMENT:** At least six semesters (3 credits) are required for graduation, including algebra and geometry.

**SCIENCE GRADUATION REQUIREMENT:** Students must complete four semesters (2 credits) of laboratory science in order to graduate.

### SOCIAL STUDIES GRADUATION REQUIREMENT:

Social studies graduation requirements are course specific and include two semesters (1 credit) of U.S. History (or AP U.S. History); two semesters (1 credit) of World History or Modern World History; one semester (.5 credit) of Government (or AP United States Government and Politics), including passing the U.S. Constitution in their required Government course to satisfy the state requirement for graduation.

**SAT GRADUATION REQUIREMENT:** The SAT is the state's high school accountability exam in Illinois. All students in public high schools are required to participate in the College Board's SAT Suite of Assessments. Alden-Hebron High School adheres to the requirements of the Illinois State Board of Education (ISBE) and will administer the College Board's PSAT 8/9 to all freshman students, PSAT 10 to all sophomore students, and the SAT to all junior students. It is important to note that the school-day SAT given to juniors in the spring is a graduation requirement in the State of Illinois. No other SAT administration fulfills this requirement. SAT scores are not included on a student's transcript.

**FAFSA GRADUATION REQUIREMENT:** October 1st is the official opening date for the FAFSA. FAFSA (Free Application for Federal Student Aid) is a form that can be prepared annually by current and prospective college students in the United States to determine their eligibility for student financial aid. Completing the FAFSA is a requirement for all Illinois graduating seniors. If you do not choose to complete the FAFSA you may complete the opt-out form.

Website: <https://studentaid.gov/h/apply-for-aid/fafsa>

## CLASS STANDING

A student has SOPHOMORE standing when 6 or more credits are earned at the start of the academic school year. A student has JUNIOR standing when 12 credits or more are earned at the start of the academic school year. A student has SENIOR standing when 18 credits are earned at the start of the academic school year.

## GRADING

Our grading model measures the student's mastery of the essential standards and targets for a class, or how well the student understands the material in class. The final grade is a determination of the student's body of work with consideration of their growth.

The purpose of grades is to provide the teacher, student, and parents/guardians with as accurate a picture as possible of the student's learning and to encourage a dialogue about how the student can develop proficiency in the material in the class. In particular, because learning is a process that takes place over time, each assessment provides feedback for the student about what to focus on next.

A student receives a grade for every course taken in high school. Whether or not credit is received depends on the grade earned. Students earn credit with a 60% or higher semester grade and earn no credit with a 59% or lower semester grade.

Grades for college courses taken by students at MCC or LCTC are placed on students' transcripts and are figured into a student's GPA at the end of each semester.

## GPA INFORMATION

GPA is calculated each semester and is determined by totaling the number of points earned and dividing by the number of courses the student is taking.

## GRADING SCALES

All general classes operate on a 4.0 scale and all honors, AP, and dual credit classes operate on a 5.0 scale. The current grade scales and corresponding letter grades are as follows:

Standard 4.0 Scale		
Percentage Range	Letter Grade	Grade Point Equivalent
98 to 100	A+	4.33
93 to 97	A	4.00
90 to 92	A-	3.67
87 to 89	B+	3.33
83 to 86	B	3.00
80 to 82	B-	2.67
77 to 79	C+	2.33
73 to 76	C	2.00
70 to 72	C-	1.67
67 to 69	D+	1.33
63 to 66	D	1.00
60 to 62	D-	.67
0 to 59	F	0.00

AP/Honors/Dual Credit 5.0 Scale		
Percentage Range	Letter Grade	Grade Point Equivalent
98 to 100	A+	5.33
93 to 97	A	5.00
90 to 92	A-	4.67
87 to 89	B+	4.33
83 to 86	B	4.00
80 to 82	B-	3.67
77 to 79	C+	3.33
73 to 76	C	3.00
70 to 72	C-	2.67
67 to 69	D+	2.33
63 to 66	D	2.00
60 to 62	D-	1.67
0 to 59	F	0.00



## HONORS/ACCELERATED COURSES

These courses enable students to prepare for and pursue college-level studies while still in high school. All honors classes have comprehensive semester exams to prepare students for college. No grade will be given higher than 100%.

## TRANSFER OF HONORS/WEIGHTED GRADES

Students transferring to Alden-Hebron High School from another high school may receive an honors grade. All other courses will be credited using the standard 4.0 grading scale. Transcripts must clearly indicate that a class had honors or weighted grade status. The grade will be converted to a letter grade and figured into the GPA using the 5.0 honors scale.

## AP PROGRAM

Students have the opportunity to complete advanced placement courses in most subject areas. The content of these college-level courses is determined by the College Board. Students who score well on these exams may be awarded college credit in most of the nation's colleges and universities. In assessing a student's application, many colleges also look favorably upon courses designated as AP since these courses represent more rigorous content than the standard high school curriculum. Students are encouraged to investigate the AP policy of the college of their choice.

AP students are required to take the AP exam. Students will be responsible for additional fees, required texts, and materials.



## MCHENRY COUNTY COLLEGE

### Dual Enrollment: Student Eligibility Requirements for MCC

AHHS identifies the following requirements which must be met by each student who wishes to enroll in a college course for dual credit. *The course may not be a course that is currently offered at AHHS:*

- A student must be in grades 10 - 12.
- Receive administrative approval
- Meet entrance requirements set by post-secondary institutions. Please note that some courses may require a student to take a placement test if they do not have a SAT score of 540 in math or EWR.
- Minimum GPA of 3.0 or better.
- A student must earn a C or higher in dual credit courses to be eligible to register for additional dual credit courses.
- Beyond tuition, all fees and/or materials (books, supplies, etc.) shall be the student and guardian's responsibility. If a student fails/drops a course, the school shall be reimbursed for the tuition.

MCC online dual credit academic courses vary based on their availability. These courses require time-management skills and a desire to work at a college-level rigor and pace. If you are interested in courses through MCC, please refer to their course catalog for further details.

## MCHENRY COUNTY COLLEGE

If taking an online MCC course, students will be placed in a study hall which is designated as a time to work on their MCC coursework. It should be noted that time will need to be spent outside of this assigned study hall time to complete the course. The credit(s) earned count toward your high school graduation requirements and count as college credit at MCC. Students will be responsible for reimbursing the district for any course that is failed/dropped.

## NCAA ELIGIBILITY REQUIREMENTS FOR DIVISION I AND II ATHLETES (NCAA ClearingHouse)

Students who are interested in competing in athletics at Division I or Division II collegiate level must meet the academic eligibility requirements of the National Collegiate Athletic Association (NCAA).

**Meeting NCAA admission requirements does not guarantee admission into the college** - it simply determines whether students may participate in athletics during their freshman year. Students must follow each member college's admission policies and apply directly to that college. Please consult the NCAA Clearinghouse website at [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net) to determine if your courses meet the core course requirements or if you have any other questions.

For more information on Division I and Division II eligibility requirements, please visit:

<https://web3.ncaa.org/ecwr3/>

- Go to:  
<https://web3.ncaa.org/hportal/exec/homeAction>
- Type Alden-Hebron's code 142225 in the "NCAA High School Code" box, then select "Search"
- Select a core area or choose: "Show All Approved Courses"
- To view a PDF of initial coursework, visit:  
[http://fs.ncaa.org/Docs/eligibility\\_center/Student\\_Resources/IE\\_Brochure.pdf](http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/IE_Brochure.pdf)



## ACADEMIC ELIGIBILITY

In order to be eligible to participate in any school-sponsored or school supported athletic or extracurricular activity, a student must maintain a passing grade (or minimum of 60%) in each course in which the student is enrolled. Any student involved in the athletic program and not passing all classes at the end of a semester would be ineligible for the first two weeks of competition of the ensuing semester. After the second week of eligibility, if the student is failing any one class, he/she will become ineligible for the remainder of the semester. This rule does not apply to incoming freshman in the fall semester.

On Wednesday of each week, a check of a student-athlete's academic eligibility will be made with their teachers. The student-athlete must be passing all classes at that time, or they will be declared ineligible in athletics for the following week of school, Monday through Sunday. Eligibility will begin as soon as the sport's season is underway. However, eligibility is only in effect for weeks in which competition is scheduled. Athletes will be expected to practice and support their teammates at all events during their ineligible period.



## TRANSCRIPTS

Students may request transcripts by emailing the office manager or the academic advisor. Students must include the official postal address or email address. College admission test scores are not included on the transcripts. Students must request these test scores to be sent directly to colleges and universities. This may be done through the various testing agencies' websites.



## STANDARDIZED TEST SCORES

- For SAT exam scores, visit: <https://studentscores.collegeboard.org/home>
- For AP exam scores, visit: <https://apscore.collegeboard.org/scores>

## PUPIL COURSE LOAD

Students will be allowed to schedule *only one study hall* per semester unless circumstances warrant otherwise (for example, taking an online course).

## FOUR YEAR EDUCATIONAL PLAN

The following page illustrates a four-year high school plan for courses, both required and elective, at Alden-Hebron High School. It is intended as a guide for both parents and students. It is not intended to “lock” students into one particular path, but rather to be used (and reused) to reflect changes in a student’s thinking as he/she matures. The plan can be used to prepare for higher education and to explore different career opportunities.

## FOUR YEAR EDUCATIONAL PLAN

- The following educational plans are four year use in order to plan your classes for next year or for all four years.
- There is a line for every class, even required classes, since many times there are different levels of that class or in case a student may be transferred into AHHS.

## GRADUATION PLANNER

We encourage all students to reach well beyond the minimum graduation requirements and to make the most of the educational opportunities that Alden-Hebron provides. Students are encouraged to review their four-year plan with their parents/guardians each year, before course selection begins so that long-term curriculum goals can be planned and achieved as the students progress through their high school years. All students have the opportunity to update their plans at any time by meeting with their advisor. A planning worksheet is located in this coursebook.

## 4 – Year High School Course Plan & Credit Check

Student: \_\_\_\_\_ Year: \_\_\_\_\_

Grad Required Courses	Grade 9		Grade 10		Grade 11		Grade 12		Total Credits
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
English									
Math									
Social Studies									
Science									
PE/Health									
Elective									
Elective									
Elective									
Credits Earned									

**Alden-Hebron Graduation Requirements / College Entrance Requirements:**

**Total Credits Needed for Graduation = 23**

English = 4 credits / 4 credits  
 Math = 3 credits / 4 credits  
 Additional Electives = 5.5 credits  
 FAFSA : Yes \_\_\_ No: \_\_\_

Social Studies = 3 credits / 3-4 credits  
 Laboratory Science = 2 credits / 3-4 credits  
 Driver's Education Classroom: Yes \_\_\_ No: \_\_\_

PE = 3.5 credits of Health  
 Foreign Lang., Music, Art = Class of -2031 = 1 credit/ 2-4 credits  
 Foreign Language = Class of 2023+ = 2 credits/2-4 credits

## CORRESPONDENCE COURSES

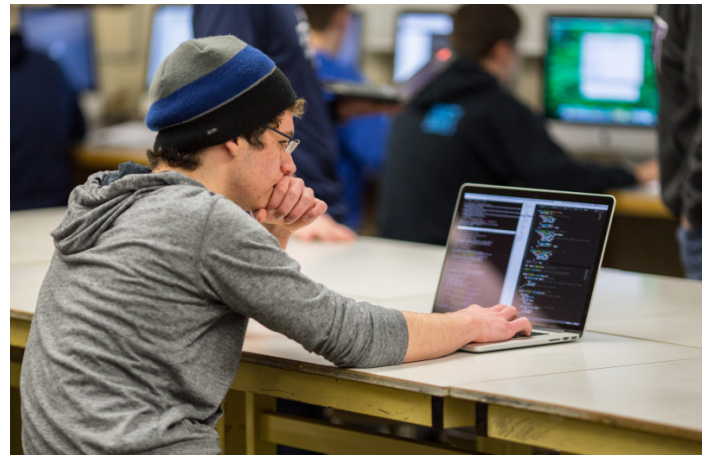
A student enrolled in a correspondence course may receive high school credit for work completed, provided:

- The course is not offered at the high school.
- The student is a fourth or fifth-year senior OR the student has failed a course.
- The student resumes responsibility for all fees above the tuition.
- The building principal approves the course in advance.
- Courses taken by correspondence receive a letter grade on a student's transcript. Credit Recovery courses will be issued a P (pass) or F (fail).
- Students will be responsible for reimbursing the district for any course that is failed.
- Students should remember that correspondence courses are time-consuming and require careful budgeting of time. The correspondence course final exam must be completed prior to end of the semester.



## NATIONAL HONOR SOCIETY

The National Honor Society is an organization that promotes leadership, creates enthusiasm for scholarship, stimulates the desire to render service, and develops character in high school students. Students are eligible their sophomore through senior year, must have a cumulative grade point average of 3.4, and apply for membership. The annual induction banquet is held in the Spring every year.







## COLLEGE PLANNING GUIDELINES & RESOURCES

Guidelines change each year and are general in nature. Specific courses accepted vary with each college and university. Students must always consult the website of the college they plan to attend. The Board of Higher Education has established statewide minimum admission standards for Illinois public colleges and universities. The law permits redistribution of 1 credit from any area except English. Since admission requirements vary, it is up to the student to make sure they are meeting specific requirements by checking with each college. These **minimum requirements** have been adopted to help high school students improve their academic preparation for baccalaureate degree programs.

- As a general guideline, the following pattern is **recommended** for college-bound students and is depended upon what field of study he/she plans to pursue:
  - English- 4 credits
  - Social Studies- 3-4 credits, including Civics/Gov. and US History
  - Mathematics- 3-4 credits, including Algebra I & II and Geometry
  - Laboratory Science- 3-4 credits, including Biology, Chemistry and Physics
  - International Language- 2 credits (minimum) of the same language

- Colleges that require foreign language will usually only accept a “C” or better- please consult the college catalogs
- It is possible that a college may not require International Language for admission, but may require it for graduation
- Some Fine Arts colleges may accept music, art, or vocational education in the place of International Language
- Taking more classes than recommended above in these areas can make students more competitive in the college admissions process
- The difficulty level of high school courses as well as GPA, class rank, school activities, community service and SAT scores are important in the college admission process
- Departments within each college may have individual requirements that must be fulfilled- Again, consult the college or university’s website or catalog
- Not all universities recognize the same courses for entrance. For instance, some schools may not recognize Physical Science as meeting specific course pattern requirements and other schools may accept these courses for entrance
- Applications for colleges and universities are available online at the college websites





## Courses Offered Grades 9 – 12

This section is provided to give students a listing of the courses offered by subject area. Not all courses are offered every year. Following this section, a description of all courses is given.

Number	Courses Title	Grade Weight	Credit
<b>Art</b>			
55154A000	Creative Art- Comprehensive	4.0	1.0
55156A000	Creative Art-Drawing---S1	4.0	.5
55157A000	Creative Art-Painting---S2	4.0	.5
05251A000	Digital Imaging---S1	4.0	.5
05162A000	Graphic/Visual Communications Design---S2	4.0	.5
05170A000	Art Portfolio	4.0	1.0
<b>Business</b>			
12005A001	Keyboarding and Formatting-Dual Credit: AOM-101---S1	5.0	.5
10004A001	Computer Concepts/Software Applications-CTE-Dual Credit: CDM-110---S2	5.0	.5
12001A001	Business and Technology Concepts I-CTE---S1	4.0	.5
12001A001	Business and Technology Concepts II-CTE---S2	4.0	.5
12162A001	Social Media Marketing-CTE	4.0	.5
22210A000	Consumer Economics/Personal Finance	4.0	.5

12104A001	Accounting I-CTE---S1	4.0	.5
12104A002	Accounting II-CTE---S2	4.0	.5
22153A001	Cooperative Education-CTE: 7th & 8th period	4.0	1.0
22998A000	Internship/Workplace Experience	4.0	.5
19995A000	Human Services—Aide	4.0	.5
10012A000	Exploring Computer Science	4.0	.5
04203A000	AP Micro (online)	5.0	.5
04204A000	AP Macro (online)	5.0	.5
10158A000	AP Computer Science A & B-CTE (online)	5.0	1.0
BUS 162	Entrepreneurship Business Planning-Dual Credit (online)	5.0	.5
22152A000	Employability*	4.0	1.0
<b>English - 4 credits</b>			
01001A000	English I	4.0	1.0
01002A000	English II	4.0	1.0
01003A000	English III	4.0	1.0
01004A000	English IV	4.0	1.0
01099A000	Literature Other: Literature Into Film---S1	4.0	.5
01104A000	Creative Writing---S2	4.0	.5
01069A000	Mythology---S1	4.0	.5
01060A000	Lit. of an Author: Young Adult Literature---S2	4.0	.5
01004A001	Transitional English	4.0	1.0
ENG 151	MCC College Composition I-Dual Credit (online)	5.0	.5
ENG 152	MCC College Composition II-Dual Credit (online)	5.0	.5
	MCC Electives (online)	5.0	.5
01005A000	AP Eng. Literature & Composition A & B (online)	5.0	1.0
01068A000	Corrective Reading*	4.0	1.0
01066A000	Strategic Reading*	4.0	1.0



01009A000	Language Arts Laboratory*	4.0	1.0
01103A000	Composition*	4.0	1.0
<b>Foreign Language</b>			
06101A000	Spanish I	4.0	1.0
06102A000	Spanish II	4.0	1.0
06103A000	Spanish III	4.0	1.0
24064A000	AP Spanish Language & Culture A & B (online)	5.0	1.0
	MCC Electives (online)	5.0	.5
<b>Mathematics - 3 credits</b>			
02051A000	Pre-Algebra	4.0	1.0
02052A000	Algebra I	4.0	1.0
02072A000	Geometry	4.0	1.0
02056A000	Algebra II	4.0	1.0
02110A000	Pre-Calculus (Honors)	5.0	1.0
02055A001	Transitional Math IV	4.0	1.0
02124A000	AP Calculus (in person)	5.0	1.0
02203A000	AP Stats A & B (online)	5.0	1.0
	MCC Math Electives (online)	5.0	.5
02001A000	Informal Mathematics*	4.0	1.0
02058A000	Particular Topics in Algebra*	4.0	1.0
02003A000	Particular Topics in Foundational Mathematics*	4.0	1.0
02071A000	Informal Geometry*	4.0	1.0
<b>Music</b>			
05102A000	Concert Band	4.0	.5
05110A000	Chorus	4.0	.5
<b>Physical Education- 3 credits, Health- .5 credit, Driver's Education- 1 credit</b>			
08152A001	Driver's Education Classroom	4.0	.5

08051A000	Health	4.0	.5
08001A000	Physical Education	4.0	.5
<b>Laboratory Science - 2 credits</b>			
03159A000	Physical Science	4.0	1.0
03051A000	Biology	4.0	1.0
03101A000	Chemistry	4.0	1.0
03001A000	Earth Science	4.0	1.0
03053A000	Anatomy/ Physiology---S1	4.0	.5
21052A000	Technological Processes 3D STEM---S2	4.0	.5
03151A000	Physics (Honors)	5.0	1.0
03207A000	AP Environmental Science A & B (online)	5.0	1.0
<b>Social Studies - 3 credits</b>			
04051A000	World History---S1	4.0	.5
04053A000	Modern World History---S2	4.0	.5
54101A000	U.S. History	4.0	1.0
04254A000	Psychology---S1	4.0	.5
04258A000	Sociology---S2	4.0	.5
04109A000	Wars and Weaponry---S1	4.0	.5
04106A000	Contemporary U.S. Issues---S2	4.0	.5
04161A000	Civics / Government	4.0	.5
04104A000	AP U.S. History	5.0	1.0
04157A000	AP U.S. Government and Politics	5.0	1.0
04065A000	Particular Topics in World History*	4.0	1.0
04109A000	Particular Topics in U.S. History*	4.0	1.0
04152A000	Particular Topics in U.S. Government*	4.0	1.0

Agriculture Course Descriptions			
180001A001	Intro. To the Agricultural Industry	4.0	1.0
18305A001	Food Science	4.0	1.0
18201A002	Basic Agricultural Business	4.0	1.0
18401A001	Basic Agricultural Mechanics (CTE)	4.0	1.0
18999A001	Supervised Agriculture Experience	4.0	.5
18248A001	Agribusiness Systems Workplace Experience	4.0	.5
1824A001	Agribusiness Systems Independent Study	4.0	.5



Lake County High Schools Technology Campus			
	Automotive Collision Repair I/II	4.0	3.0
	Automotive Service I/II	4.0	3.0
	Biomedical Science I/II	4.0	3.0
	Certified Nurse Assisting	4.0	3.0
	Computer Support Services I/II	4.0	3.0
	Construction Skills & Management I/II	4.0	3.0
	Cosmetology- <i>must double up coursework to attend 11<sup>th</sup> grade</i>	4.0	4.0
	Criminal Justice	4.0	3.0
	Culinary Arts I/II	4.0	3.0
	CyberSecurity	4.0	3.0
	Early Education & Teaching I/II	4.0	3.0
	Emergency Medical Services	4.0	3.0



	Fire Fighting	4.0	3.0
	Game Programming & Virtualization	4.0	3.0
	Industrial Technology	4.0	3.0
	Laser Technology I/II	4.0	3.0
	Law Enforcement & CSI	4.0	3.0
	Medical Assisting	4.0	3.0
	Multimedia Design I/II	4.0	3.0
	Welding/Fabrication I/II	4.0	3.0



## ART COURSE OFFERINGS

*The Art curriculum focuses on the necessary skills, concepts and artistic traditions that allow each student to achieve their potential within each art discipline, and provide a shared common cultural experience. It includes introductory opportunities for the novice learner and differentiated rigorous experiences for the most experienced learners too. The curriculum presents students with artistic material of high and enduring quality from a variety of historical periods, artistic styles, and cultures*

### CREATIVE ART– COMPREHENSIVE

Open to Grades: 9+  
Credits: 1.0  
Course Number: 55154A000  
Semester: Year

Creative Art-Comprehensive courses provide students the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles.

Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

### CREATIVE ART– DRAWING

Open to Grades: 9+  
Credits: .5  
Course Number: 55156A000  
Semester: S1

Creative Art Drawing courses cover the same topics as Creative Art-Drawing/Painting, but focus on drawing. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, and so on), but some courses may focus on only one medium.

### CREATIVE ART –PAINTING

Open to Grades: 9+  
Credits: .5  
Course Number: 55157A000  
Semester: S2

Creative Art Painting courses cover the same topics as Creative Art-Drawing/Painting, but focus on painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as watercolor, tempera, oils, acrylics, and so on), but some courses may focus on only one medium.

### DIGITAL IMAGING

Open to Grades: 9+  
Credits: .5  
Course Number: 05251A000  
Semester: S1

Digital Imaging courses explore the creative and conceptual aspects of designing and producing digital imagery, graphics, and photography. Students study the techniques, genres, and styles from multiple mediums and forms. Topics may include aesthetic meaning, appreciation, and analysis; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution, and marketing; and contextual, cultural, and historical.

## GRAPHIC/VISUAL COMMUNICATIONS DESIGN

Open to Grades: 9+

Credits: .5

Course Number: 05162A000

Semester: S2

Formerly known as Graphic Design, Visual Communications Design courses emphasize applying fundamental processes of artistic expression through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. These courses may include investigations of how technology influences the creation of graphic and digital designs and study historical and contemporary visual communications design. These courses also provide instruction in the process of responding to their own art and that of others including master designers through analysis, critique, and interpretation for the purpose of reflecting on and refining work.



## ART PORTFOLIO

Open to Grades: 11+

Credits: 1.0

Course Number: 05170A000

Semester: Year

Art Portfolio is designed to address a variety of factors preparing and refining artwork for portfolio presentation and or when deciding if and how to preserve and protect the art. Students will create, select, respond to, and present work that clearly reflects newly obtained technical skills, increasing conceptual thinking and is a reflection of their personal interests. These courses may include individual critiques and peer reviews.





## BUSINESS COURSE OFFERINGS

*The Business Department offers a program of electives that develop individual interests while facilitating authentic learning experiences by linking the curricula to the real world. Each course teaches students to apply content knowledge in a project-based environment. The unique characteristics of each of these academic courses provide students with a wide variety of course selections that integrate the diverse curricula of Alden-Hebron into activities they can use in their daily lives and future careers.*

### KEYBOARDING AND FORMATTING (CTE)

Open to Grades: 9+  
Credits: .5, Dual Credit  
Course Number: 12005A001  
Semester: S1

This dual credit Keyboarding and Formatting course is a course designed to develop basic skills in touch keyboarding techniques for entering alphabetic, numeric, and symbol information found on computers and terminals. Students will learn to edit and format text and paragraphs, change fonts, work with headers and footers, cut and paste text, create and use tab keys, create labels, and work with multiple windows. Students will format documents such as letters, envelopes, memorandums, reports, and tables for personal, educational, and business uses.

During the second half of the course, major emphasis is placed on formatting documents, improving proofreading skills, and increasing speed and accuracy.

### COMPUTER CONCEPTS AND SOFTWARE APPLICATIONS (CTE)

Open to Grades: 9+  
Credits: .5, Dual Credit  
Course Number: 10004A001  
Semester: S2

This dual credit Computer Concepts and Software Applications course is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing, and management. Students will apply problem-solving skills to hands-on, real-life situations using a 10 Information Technology 141 variety of software applications, such as word processing, spreadsheets, database management, presentation software, and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications, and emerging technologies. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases.

### BUSINESS & TECHNOLOGY CONCEPTS I/II (CTE)

Open to Grades: 9+  
Credits: .5  
Course Number: 12001A001  
Semester: S1 and S2

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 the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration, and production). 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 the computer while studying applications in

these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math, and problem-solving. Business ethics as well as other workplace skills will be taught and integrated into this course. This course is not intended to meet the consumer education requirement, but rather to provide preparation for the skill-level courses that make up the Business, Marketing, and Management occupations programs.

### **SOCIAL MEDIA MARKETING (CTE)**

Open to Grades: 9+  
Credits: .5  
Course Number: 12162A001  
Semester: S1 or S2

Social Media Marketing courses address social media as a marketing tool and emphasize social media tools, social media messages, and search engine optimization. Topics may include but are not limited to, marketing information management (including marketing research), market planning, channel management, sales, promotion, product/service management, and pricing.

### **CONSUMER ECONOMICS/PERSONAL FINANCE**

Open to Grades: 12  
Credits: .5  
Course Number: 22210A000  
Semester: S1 or S2

Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. These courses emphasize lifespan goal-setting, individual and family decision-making, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes, social security, spending patterns, and budget planning, contracts, and consumer protection. These courses may also investigate the effects of the global economy on consumers and the family.

### **ACCOUNTING I (CTE)**

Open to Grades: 9+  
Credits: .5  
Course Number: 12104A001  
Semester: S1

Course Accounting I is a course that assists students in pursuing a career in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data involved in financial and product control 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. Accounting computer applications should be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide an initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included.

### **ACCOUNTING II (CTE)**

Open to Grades: 10+  
Credits: .5  
Course Number: 12104A002  
Semester: S2

Accounting II is a course that builds upon the foundation established in Accounting I. This course is planned to help students to develop a 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. Some students may choose to do specialized accounting computer applications, and others may elect payroll clerk and data processing computer

applications. Simulated business conditions may be provided through the use of practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications.

### COOPERATIVE EDUCATION (CTE)

Open to Grades: 11+  
Credits: 1.0 per semester  
(Earn .5 credit per period for 7th/8th period)  
Course Number: 22153A001  
Semester: S1, S2

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 200 minutes per week of 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. For skills related to the job, refer to the skill development course sequences, the task list, or related occupational skill standards of the desired occupational program. 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.

### INTERNSHIP/WORKPLACE EXPERIENCE

Open to Grades: 11+  
Credits: .5  
Course Number: 22998A000  
Semester: S1 or S2

Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student,

teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving the further study of the field or discussion regarding experiences that students encounter in the workplace. Note: if the particular subject area is known, use the code associated with the Workplace Experience course within that subject area.

### AP MICROECONOMICS

Open to Grades: 10+  
Credits: .5  
Course Number: 04203A000  
Semester: S1 or S2

Following the College Board's suggested curriculum designed to parallel college-level microeconomics, AP Microeconomics courses provide students with a thorough understanding of the principles of economics that apply to the functions of individual decision-makers (both consumers and producers). They place primary emphasis on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy.

### AP MACROECONOMICS

Open to Grades: 10+  
Credits: .5  
Course Number: 04204A000  
Semester: S1 or S2

Following the College Board's suggested curriculum designed to parallel college-level macroeconomics, AP Macroeconomics courses provide students with a thorough understanding of the principles of economics that apply to an economic system as a whole. They place particular emphasis on the study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics.



## AP COMPUTER SCIENCE A & B

Open to Grades: 10+  
 Credits: 1.0  
 Course Number: 10158A000  
 Semester: Year

Following the College Board’s suggested curriculum designed to mirror college-level computer science courses, AP Computer Science AB courses (in addition to covering topics included in AP Computer Science A) provide a more formal and extensive study of program design, algorithms, data structures, and execution costs.

## ENTREPRENEURSHIP

Open to Grades: 10+  
 Credits: .5, Dual Credit  
 Course Number: BUS162  
 Semester: S1, S2

Entrepreneurship Business Planning is designed for those with a basic understanding of entrepreneurship who seek to create an effective written business plan. Market analysis, strategies, management structure, and business budgets are explained. Students also learn about effective business financial planning, cash flow projections, expense management, financial statements, and financing strategies. (1.2-Articulated) NOTE: This course requires intermediate reading, intermediate writing, and intermediate math. Online courses require advanced reading and advanced writing.

## HUMAN SERVICES-AID

Open to Grades: 9+  
 Credits: .5  
 Course Number: 19995A000  
 Semester: S1 or S2

Human Services—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorials or instructional assistance to other students.

## HUMAN SERVICES-AID

Open to Grades: 9+  
 Credits: .5  
 Course Number: 10012A000  
 Semester: S1 or S2

Exploring Computer Science courses present students with the conceptual underpinnings of computer science through an exploration of human-computer interaction, web design, computer programming, data modeling, and robotics. While these courses include programming, the focus is on the computational practices associated with doing computer science, rather than just a narrow focus on coding, syntax, or tools. Exploring Computer Science courses teach students the computational practices of algorithm design, problem-solving, and programming within a context that is relevant to their lives.

## EMPLOYABILITY

Open to Grades: 9+  
 Credits: 1.0  
 Course Number: 22152A000  
 Semester: Year

Employability Skills courses help students match their interests and aptitudes to career options with a focus on using employment information effectively, acquiring and improving job-seeking and interview skills, composing job applications and resumes, and learning the skills needed to remain in and advance within the workplace. Course content may also include consumer education and personal money management topics.







## ENGLISH COURSE OFFERINGS

*The English Department includes the academic areas of English, speech, and literacy. It is the department's goal to assist students in becoming critical and analytical readers, logical and insightful thinkers, and skilled users of written, visual and oral communication. English Required for Graduation: Students are required to take four credits of English classes in order to fulfill the graduation requirements. Students should plan to take at least one English course per year unless they plan to graduate early.*

### ENGLISH I

Open to Grades: 9+  
Credits: 1.0  
Course Number: 01001A000  
Semester: Year

English/Language Arts I course builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually includes the four aspects of language use: reading, writing, speaking and listening. Typically, this course introduces and defines various genres of literature, with writing exercises often linked to reading selections.

Open to Grades: 10+  
Credits: 1.0  
Course Number: 01002A000  
Semester: Year

English/Language Arts II course offers a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

### ENGLISH III

Open to Grades: 11 +  
Credits: 1.0  
Course Number: 01003A000  
Semester: Year

English/Language Arts III course continues to develop student's writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read literature, which often forms the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

### ENGLISH IV

Open to Grades 12  
Credit: 1.0  
Course Number: 01004A000  
Semester: Year

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

## TRANSITIONAL ENGLISH

Open to Grades: 12  
Credits: 1.0  
Course Number: 01004A001  
Semester: Year

Transitional English course design and instruction builds on students' previous experiential and academic knowledge to further develop and refine skills in reading, critical thinking and analysis, and writing to enhance students' transition to post-secondary coursework. This course focuses on the integration of the content competencies, which are aligned to the learning standards, in the areas of reading, critical thinking and analysis, and writing. The course pedagogy and related text selections must be organized around themes, critical issues, or concepts directing student focus to larger ideas that foster critical thinking, reading, and writing skills while also cultivating students' meta-cognitive and essential employability skills.

## LITERATURE OTHER: LITERATURE TO FILM

Open to Grades: 11+  
Credits: .5  
Course Number: 01099A00  
Semester: S1

This course is a study of the relationships between film and literature, which focuses primarily on cinematic adaptations of literary texts and/or cinema as text.

## CREATIVE WRITING

Open to Grades: 11+  
Credits: .5  
Course Number: 01104A000  
Semester: S2

Creative Writing course offers students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft.

Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

## MYTHOLOGY

Open to Grades: 9+  
Credits: .5  
Course Number: 01069A000  
Semester: S1

Mythology course introduces students to the origins and meaning of myths, including how cultures use myths to explain natural or social phenomena. Students will explore the major themes, stories, characters, and archetypes present in the mythologies of several different cultures.

## LIT. OF AN AUTHOR: YOUNG ADULT LIT.

Open to Grades: 9+  
Credits: .5  
Course Number: 01060A000  
Semester: S2

Young Adult Literature courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on various authors and their work. Students determine the underlying assumptions and values within the selected works; compare techniques, styles, and themes of the author; and reflect upon the time period in which the author lived. Oral discussion is an integral part of literature courses, and written compositions are often required.

## MCHENRY COUNTY COLLEGE, ENG 151

Open to Grades: 9+  
Credits: .5, Dual Credit  
Course Number: ENG151  
Semester: S1 or S2

Composition I teaches the fundamentals of effective writing combined with the reading of selected texts. Students read and write narrative, descriptive, expository, and argumentative prose with emphasis on the clear, concise expression of ideas.

## MCHENRY COUNTY COLLEGE, ENG 152

Open to Grades: 10+  
Credits: .5, Dual Credit  
Course Number: ENG152  
Semester: S1 or S2

Composition II builds on the knowledge and skills gained in Composition I. Students continue to practice essay writing with a focus on research papers supported by scholarly evidence as well as the critical analysis of literature.

## AP ENGLISH LITERATURE AND COMPOSITION

Open to Grades: 10+  
Credits: 1.0  
Course Number: 01005A000  
Semester: Year

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes.

## CORRECTIVE READING\*

Open to Grades: 9+  
Credits: 1.0  
Course Number: 01068A000  
Semester: Year

Corrective Reading courses offer diagnostic and remedial activities designed to correct reading difficulties and habits that interfere with students' progress in developing reading skills and understandings. Activities are chosen to increase or improve students' reading comprehension, reading technique, and general literacy skills.

## STRATEGIC READING\*

Open to Grades: 9+  
Credits: 1.0  
Course Number: 01066A000  
Semester: Year

Strategic Reading courses are intended to improve a student's vocabulary, critical thinking, and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text.

## LANGUAGE ARTS LABORATORY\*

Open to Grades: 9+  
Credits: 1.0  
Course Number: 01009A000  
Semester: Year

Language Arts Laboratory course provides instruction in basic language skills, integrating reading, writing, speaking, and listening while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities.

## COMPOSITION\*

Open to Grades: 9+  
Credits: 1.0  
Course Number: 01103A000  
Semester: Year

Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although composition courses may present some 01 English Language And Literature 3 opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing.





## FOREIGN LANGUAGE OFFERINGS

### SPANISH I

Open to Grades: 9+  
 Credits: 1.0  
 Course Number: 06101A000  
 Semester: Year

Designed to introduce students to Spanish language and culture, Spanish I courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

### SPANISH II

Open to Grades: 10+  
 Credits: 1.0  
 Course Number: 06102A000  
 Semester: Year

Spanish II courses build upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Spanish II courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

### SPANISH III

Open to Grades: 11+  
 Credits: 1  
 Course Number: 06103A000  
 Semester: Year

Spanish III courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

### AP SPANISH LANGUAGE AND CULTURE

Open to Courses: 10+  
 Credits: 1.0  
 Course Number: 24064A000  
 Semester: Year

Designed by the College Board to parallel third-year college-level courses in Spanish language, AP Spanish Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Spanish, both orally and in writing. These courses also help students understand and interpret written and spoken Spanish. In addition, students explore the culture of Spanish-speaking people in historical and contemporary contexts.







## PRE-CALCULUS (H)

Open to Grades: 10+  
Credits: 1.0  
Course Number: 02110A000  
Semester: Year

Pre-Calculus course combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

## TRANSITIONAL MATH IV

Open to Grades: 12  
Credits: 1.0  
Course Number: 02055A001  
Semester: Year

Math course framework built around essential algebraic competencies designed to prepare students for college and career pathways in areas such as: Science, Technology, Engineering, and Math which require advanced algebraic skills or calculus. Course design will enable students to transition directly into credit-bearing college-level algebra courses. Students will engage in deepening conceptual understanding using algebra and mathematical applications of algebra and functions and how functions naturally arise using authentic modeling situations. The function families (linear, polynomial, rational, radical, exponential) will be emphasized. Additionally, the course shall emphasize the eight mathematical practices, particularly modeling within the setting of authentic and contextualized applications, and upon completion, the student should be able to: demonstrate and justify both orally and in writing conceptual understanding of functions combined with advanced algebraic knowledge to solve complex, contextualized, multi-step problems in authentic settings.

## AP CALCULUS

Open to Grades: 10+  
Credits: 1.0  
Course Number: 02124A000  
Semester: Year

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including the definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral).

## AP STATISTICS

Open to Grades: 10+  
Credits: 1.0  
Course Number: 02203A000  
Semester: Year

Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.



## INFORMAL MATHEMATICS

Open to Grades: 9+  
Credits: 1.0  
Course Number: 02001A000  
Semester: Year

Informal Mathematics course emphasizes the teaching of mathematics as problem-solving, communication, and reasoning, and highlights the connections among mathematical topics and between mathematics and other disciplines. These courses approach the teaching of general mathematics, pre-algebra, and pre-geometry topics by applying numbers, and algebraic and geometric concepts and relationships to real-world problems.

## PARTICULAR TOPICS IN ALGEBRA

Open to Grades: 9+  
Credits: 1.0  
Course Number: 02058A000  
Semester: Year

These courses examine a specific topic in algebra, such as linear equations or rational numbers, rather than provide an overview of algebra concepts.

## PARTICULAR TOPICS IN FOUNDATION MATHEMATICS

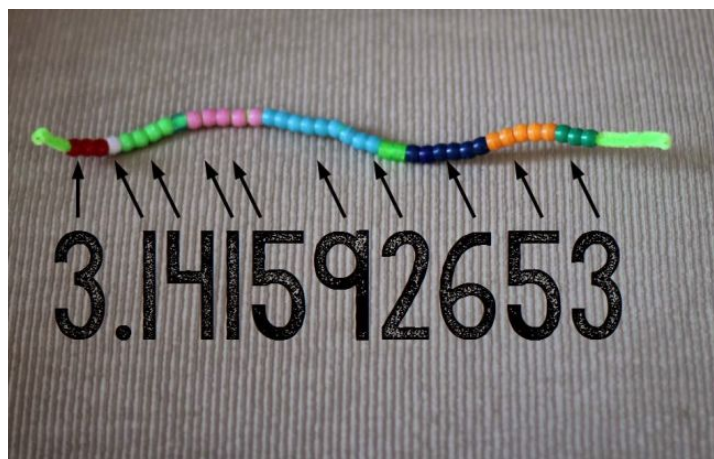
Open to Grades: 9+  
Credits: 1.0  
Course Number: 02003A000  
Semester: Year

These courses examine particular topics in Foundation Mathematics, such as arithmetic, sequences, or basic conceptual skills, rather than provide a general overview.

## INFORMAL GEOMETRY

Open to Grades: 9+  
Credits: 1.0  
Course Number: 02071A000  
Semester: Year

Informal Geometry courses emphasize a practical approach to the study of geometry and deemphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.





## MUSIC COURSE OFFERINGS

### CHORUS

Open to Grades: 9+  
Credits: .5  
Course Number: 05110A000  
Semester: S1 or S2

Chorus courses develop students’ vocal skills within the context of a large choral ensemble in which they perform a variety of styles of repertoire. These courses are designed to develop students’ vocal techniques and their ability to sing parts and include experiences in creating and responding to music.

### CONCERT BAND

Open to Grades: 9+  
Credits: .5  
Course Number: 05102A000  
Semester: S1 or S2

Courses in Concert Band are designed to promote students’ technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances and also include experiences in creating and responding to music.

## PHYSICAL EDUCATION/ HEALTH/DRIVER’S EDUCATION COURSE OFFERINGS

### DRIVER EDUCATION — CLASSROOM

Open to Grades: 9+  
Credits: .5  
Course Number: 08152A001  
Semester: S1, S2

Drivers’ Education—Laboratory Only or “Behind-the-Wheel” courses provide students with the experience to become safe drivers on America’s roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver’s capability (including alcohol and other drugs). Students must complete a minimum of six clock hours of behind-the-wheel experience to qualify for completion of this course.

### HEALTH

Open to Grades: 9+  
Credits: .5  
Course Number: 08051A000  
Semester: S1 or S2

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

### PHYSICAL EDUCATION

Open to Grades: 9+  
Credits: .5  
Course Number: 08001A000  
Semester: S1 or S2

Physical Education courses provide students with the knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.







## SCIENCE COURSE OFFERINGS

*The Laboratory Sciences offers a robust program of electives in the areas of computer science, engineering, and technology. Within these project-based courses, students will develop an innovative and problem-solving mindset while pursuing professional and personal endeavors. The rich curricula connect students to the core content areas in a collaborative, lab-based environment using state-of-the-art tools and software.*

### PHYSICAL SCIENCE

Open to Grades: 9+  
Credits: 1.0  
Course Number: 03159A000  
Semester: Year

Physical Science courses involve the study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

### BIOLOGY

Open to Grades: 9+  
Credits: 1.0  
Course Number: 03051A000  
Semester: Year

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

### CHEMISTRY

Open to Grades: 10+  
Credits: 1.0  
Course Number: 03101A000  
Semester: Year

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

### EARTH SCIENCE

Open to Grades: 9+  
Credits: 1.0  
Course Number: 03001A000  
Semester: Year

Earth Science courses offer insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.

## ANATOMY / PHYSIOLOGY

Open to Grades: 10+  
Credits: .5  
Course Number: 03053A000  
Semester: S1

Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells, and tissues, and explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

## TECHNOLOGICAL PROCESSES 3D STEM

Open to Grades: 10+  
Credits: .5  
Course Number: 21052A000  
Semester: S2

Technological Processes courses provide students with the opportunity to focus on one or more areas of industrial technology, applying technological processes to solve real problems and developing the knowledge and skills to design, modify, use, and apply technology appropriately. Students may examine case studies, explore simulations, or design and build prototypes and working models.

## PHYSICS (HONORS)

Open to Grades: 11+  
Credits: 1.0  
Course Number: 03151A000  
Semester: Year

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes an examination of sound, light, and magnetic and electric phenomena.

## AP ENVIRONMENTAL SCIENCE

Open to Grades: 10+  
Credits: 1.0  
Course Number: 03207A000  
Semester: Year

Environmental Science courses are designed by the College Board to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify and analyze environmental problems (both natural and human-made), evaluate the relative risks associated with the problems, and examine alternative solutions for resolving and/or preventing them. Topics covered include science as a process, ecological processes and energy conversions, earth as an interconnected system, the impact of humans on natural systems, cultural and societal contexts of 03 Life and Physical Sciences 39 environmental problems, and the development of practices that will ensure sustainable systems.





## SOCIAL STUDIES COURSE OFFERINGS

*Social Studies is the integrated study of the social sciences and humanities to promote civic competence. Within the school program, social studies provide a coordinated, systematic study drawing upon such disciplines as anthropology, archaeology, economics, geography, history, law, philosophy, political science, psychology, and sociology. The primary purpose of social studies is to help students develop the ability to make informed and reasoned decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent 21st-century world.*

### WORLD HISTORY

Open to Grades: 9+  
Credits: .5  
Course Number: 04051A000  
Semester: S1

World History—Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography.

### MODERN WORLD HISTORY

Open to Grades: 9+  
Credits: .5  
Course Number: 04053A000  
Semester: S2

Modern World History courses provide an overview of the history of human society in the past few centuries—from the Renaissance period, or later, to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments.

### U.S. HISTORY

Open to Grades: 11+  
Credits: 1.0  
Course Number: 54101A000  
Semester: S1, S2

U.S. History-Comprehensive courses provide an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

### PSYCHOLOGY

Open to Grades: 9+  
Credits: .5  
Course Number: 04254A000  
Semester: S1

Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

### SOCIOLOGY

Open to Grades: 9+  
Credits: .5  
Course Number: 04258A000  
Semester: S2

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

## WARS AND WEAPONRY

Open to Grades: 9+  
Credits: .5  
Course Number: 04109A000  
Semester: S1

Discussion-based class for those interested in learning more about the evolution, function, and aesthetics of battle objects and strategy. From tools to armor to military training and planning, we'll talk about materials, design, use, and environment.

## CONTEMPORARY U.S. ISSUES

Open to Grades: 9+  
Credits: .5  
Course Number: 04106A000  
Semester: S2

Contemporary U.S. Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century and to the present.

## CIVICS/GOVERNMENT

Open to Grades: 12  
Credits: .5  
Course Number: 04161A000  
Semester: S1 or S2

Civics courses examine the general structure and functions of U.S. systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve to the same degree of detail into constitutional principles or the role of political parties and interest groups as do comprehensive courses in the U.S. Government.



## AP U.S. HISTORY

Open to Grades: 10+  
Credits: 1.0  
Course Number: 04104A000  
Semester: Year

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critical problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.

## AP U.S. GOVERNMENT AND POLITICS

Open to Grades: 10+  
Credits: 1.0  
Course Number: 04157A000  
Semester: Year

Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, these courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The courses generally cover the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy processes of the national government, and civil rights and liberties.

## PARTICULAR TOPICS IN WORLD HISTORY\*

Open to Grades: 9+  
Credits: 1.0  
Course Number: 04065A000  
Semester: Year

These courses examine particular topics in world history other than those already described.



## PARTICULAR TOPICS IN U.S. HISTORY\*

Open to Grades: 9+

Credits: 1.0

Course Number: 04109A000

Semester: Year

These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject.

## PARTICULAR TOPICS IN U.S. GOVERNMENT\*

Open to Grades: 9+

Credits: 1.0

Course Number: 04152A000

Semester: Year

These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress, or the Office of the President.





## AGRICULTURAL COURSE OFFERINGS

*The Agriculture, Food, & Natural Resources (AFNR) curriculum is designed to create opportunities for students to learn about food & the environment while building employability and leadership skills.*

### EXPLORATORY AGRICULTURE SCIENCE

Open to Grades: 8  
 Credits: N/A  
 Course Number: 68003A001  
 Semester: S1, S2

This exploration course provides the opportunity to learn fundamental concepts in agriculture to serve as a foundation for future courses and to inform students about the industry that is so vital to society and to their future. Major units of instruction include an introduction to the agricultural industry, animal science, plant science, horticulture science, agribusiness, environmental science, agricultural mechanics, food science, and leadership and personal development. Participation in FFA student organization activities is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

### INTRO TO THE AGRICULTURAL INDUSTRY

Open to Grades: 9-11  
 Credits: 1.0  
 Course Number: 18001A001  
 Semester: Year

This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of

agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

### FOOD SCIENCE

Open to Grades: 9+  
 Credits: 1.0  
 Course Number: 18305A001  
 Semester: Year

This course provides learning experiences in food science and safety which allow students to apply scientific knowledge and processes to practices used in the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. Students critically analyze information to evaluate and draw conclusions on the appropriate use of technology to implement food science and safety practices. Units of instruction include: principles of food preservation, food processing, biochemistry of foods, and food selection and consumer health. Careers to be examined include meat inspectors, quality control technicians, food processors, and sanitation supervisors. Students will use scientific and technological information about food science and safety as a part of developing career plans and personal viewpoints on societal issues concerning the development and preservation of food products. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.



## BASIC AGRICULTURAL BUSINESS/MANAGEMENT

Open to Grades: 9+

Credits: 1.0

Course Number: 18201A002

Semester: Year

This course on topics and concepts related to the field of agricultural business. The course introduces business concepts such as record keeping, banking and finance, the role of government, the USDA in agricultural business, consumerism trends, and the basics of credit, investment, and management. They usually provide a brief overview of the American Agricultural economic system, cooperatives, and corporate organizations. This course may also expose students to a wide variety of agricultural business fields such as sales, marketing, accounting, loan officer, and other related careers. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

## BASIC AGRICULTURAL MECHANICS (CTE)

Open to Grades: 10+

Credits: 1.0

Course Number: 18401A001

Semester: Year

In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional areas include basic shop safety, hand and power tool knowledge, fasteners, basic fundamentals of maintaining and repairing small gasoline engines, basic electricity, basic plumbing, concrete welding, construction, and operating agricultural equipment safely. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

## AGRIBUSINESS SYSTEMS WORKPLACE

### EXPERIENCE

Open to Grades: 10+

Credits: .5

Course Number: 18248A001

Semester: S1 or S2

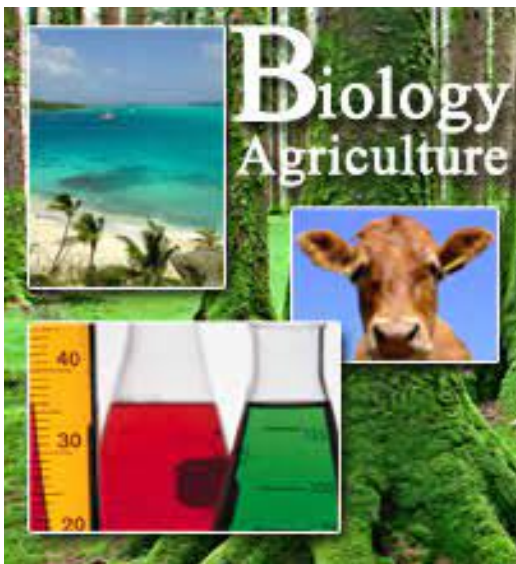
Agribusiness Workplace Experience courses provide work experience in fields related to agribusiness. Goals must be set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses must include classroom instruction at least once per week, involving the further study of the field, discussion of relevant topics that are responsive to the workplace experience, and employability skill development. Workplace Experience courses must be taught by an approved WBL educator-coordinator. These courses should be aligned to a Career Development Experience that could include: Student-led Enterprises; Immersion Supervised Agricultural Experiences; Clinical Experiences in Science and Technology programs; Internships; and Apprenticeship programs including Youth Apprenticeships, Pre-Apprenticeships, and Registered Apprenticeships.



## AGRICULTURAL BIOLOGY

Open to Grades: 9-12  
Credits: 1.0  
Course Number: 18004A001  
Semester: Year

Agricultural Biology will cover all major topics in life science including biochemistry , ecology, cells, reproduction, heredity, biological evolution and diversity. The course will cover the majority of the Performance Expectations in the following Illinois Learning Standards in Science as well as a few physical, earth and space science, and engineering design performance expectations. Specific emphasis will be placed on developing skills related to the Scientific and Engineering Practices and building Cross Cutting Concepts as students develop explanations for phenomena and solve real -world problems. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.







## LAKE COUNTY TECH CAMPUS (TECH)

*The Tech Campus is an extension for high school students to attend classes in a specific career training program. The Tech Campus is regarded as one of the best career and technical education training facilities in the Midwest with a highly qualified staff dedicated to excellence in career and technical education.*

*The Tech Campus experience provides an educational environment that supports and encourages individual learning styles, develops occupational skills and professionalism, promotes academic growth, and assists students in discovering their potential. In addition to high school credit, the Tech Campus partnered with the College of Lake County allowing students the opportunity to earn college credit at no cost. Each Tech Campus program allows students to learn at their own pace through a hands-on, experiential-based philosophy. Through their respective programs, students use program-specific mathematics, science reasoning, language arts, and technology in real-world applications.*

### LAKE COUNTY TECHNOLOGY CAMPUS (3 CREDITS PER YEAR)

Eligibility for Lake County will be determined by credit standing. Any student attending the Tech Campus will have limited course selection at AHHS. All graduation course requirements must be met. Students report to

AH at 7:05 am, TECH bus leaves at 7:10 am. Students are not allowed to drive to LCTC. **STUDENTS ARE ABLE TO TAKE FOUR COURSES AT AHHS WHILE ATTENDING LCTC.** Students may be dropped from Tech and/or be responsible for reimbursing the district for absences, behavior and/or academic failure.

### AUTOMOTIVE COLLISION REPAIR I/II

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

Instruction in this two-year program emphasizes both the repair and the refinishing skills associated with restoring a damaged automobile to factory specifications. Using an industry-endorsed curriculum, you will develop core skills in automobile construction, sheet metal damage repair, MIG welding, and basic refinishing. Upon mastery of the skills in core areas, you'll advance into damage estimating, shop management, heavy collision repair, and finish matching.

### AUTOMOTIVE SERVICE I/II

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

This two-year program will provide you with a solid foundation of skills to enter the automotive service industry. Instruction will feature training on brakes, steering and suspension, electrical systems, and engine performance. Upon successful completion of this program, you'll be prepared to take the ASE (Automotive Service Excellence) certification exams in the areas emphasized in the program.

### CERTIFIED NURSING ASSISTANT

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

This program is designed to prepare you for employment as a nurse assistant and for future entry into nursing education programs. This program leads to a CNA certificate. Training will include the development of basic nursing and cardiopulmonary resuscitation skills through lectures, laboratory demonstrations, laboratory practice, and clinical experience. Instruction

in this program includes a minimum of 40 clinical hours held in long-term facilities in the community. Upon successful completion of this program, you'll be eligible to take the written examination for the nurse assistant state certificate. *Students must be 16 years of age.*

### COMPUTER SUPPORT SERVICES I/II

Open to Grades: 11-12

Credits: 3.0

Semester: Year

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

### CONSTRUCTION SKILLS & MANAGEMENT

Open to Grades: 11-12

Credits: 3.0

Semester: Year

The first year of this program offers an overview and analysis of conventional construction methods with a focus on Carpentry, HVAC, Electrical, Plumbing, and environmental impacts on construction, and overall construction safety. The hands-on use of building materials and tools in various construction systems is emphasized, including the basic design of temporary structures. To further enrich your experience, case studies and guest speakers are utilized to expose you to various professions and careers in the field.

In year two, you will learn all phases of planning and scheduling from the process of listing and sequencing to the development of the critical path network. In addition, you will review construction specifications and how they relate to national, state, and local building codes. Topics related to job safety and Occupational Safety and Health Administration (OSHA) regulations will also be discussed.

### COSMETOLOGY

Open to Grades: 11-12

Credits: 3.0

Semester: Year

The Tech Campus offers a two-year Cosmetology program that includes nail technology. Over the course of the program, you will acquire the 1500 hours of experience required for licensing while learning how to perform shampoos, makeovers, facials, hair-styling, manicuring, sculptured nails, permanent waving, hair coloring, and cutting. Following the lab phase of the program, you'll reinforce your training by working on clients in the Tech Campus [Creations Salon + Spa](#).

### CRIMINAL JUSTICE

Open to Grades: 11-12

Credits: 3.0

Semester: Year

The class will cover ethical considerations for criminal justice professionals and challenges to police officers, as well as constitutional considerations for policing. The class will also cover the functions and structure of the court and judicial system. Further topics will include correctional institutions, current and pending court cases, juvenile justice, and role-playing opportunities related to criminal justice.

### CULINARY ARTS I/II

Open to Grades: 11-12

Credits: 3.0

Semester: Year

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

### EARLY EDUCATION & TEACHING I/II

Open to Grades: 11-12

Credits: 3.0

Semester: Year

This two-year program is designed to prepare you for a variety of careers serving children. You'll learn how to plan and implement age-appropriate activities in

creative arts, math, science, music, and language for preschool children in the [Tech Campus Preschool](#). Instruction will focus on the positive guidance of child behavior and all aspects of their development.

## EMERGENCY MEDICAL SERVICES

Open to Grades: 12  
Credits: 3.0  
Semester: Year

This program prepares you to take the licensure examination of the Illinois Department of Public Health to become an EMT-B. Activities include clinical experience in a hospital emergency room and ride-alongs with local Fire/EMS departments. You'll also learn American Heart Association Healthcare Provider CPR, patient assessment, stabilization, and initial pre-hospital medical treatment of injured and ill patients. *Students in this program must be seniors*

## FIRE FIGHTING

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

This program is designed to prepare you for entry-level firefighter positions. Topics covered include fire chemistry, personal protective clothing, identifying ropes, tying knots, using fire extinguishers, performing forcible entry, carrying and raising ladders, operating a self-contained breathing apparatus, employing search and rescue techniques, working with ventilation tools, and practicing hose evolutions on an operating fire engine.

## CYBERSECURITY

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

The world runs on computers. This program is designed to give you a practical perspective on computer security and approaches computer security in a way that anyone can understand. Learn how networks handle routing, DNS, load balancing, and more. You'll receive light training in software development applications and other interactive media for mobile devices such as smartphones, tablets, and gaming applications that can run on a variety of

platforms, then execute security measures to keep that data secure. (If you're seeking a game programming emphasis, see [Game Programming & Virtualization](#))

## MACHINING TECHNOLOGY

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

Our Industrial Technology program, located at the College of Lake County's new [Advanced Technology Center](#), will prepare you to work in a modern manufacturing environment, developing the skills you need to maintain, repair, and operate machinery and equipment in a high-tech, industrial setting. You'll gain "hands-on" experiences in hydraulics, machine alignment, electricity, and mechanical fundamentals. After acquiring skills in electronics, computerized equipment maintenance, and preventative/predictive maintenance, you'll have the confidence and ability to work for industrial manufacturing companies, food manufacturing/processing plants, farms, industrial contract service providers, machine shops, construction companies, and welding/fabrication shops

## LAW ENFORCEMENT & CSI

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

This program prepares you for careers in the policing field. The class will focus on police procedures that are standard to a new police officer and the steps that are necessary to continue into a policing career. The class will also explore basic crime scene investigation, interview and interrogation methods, and a study of a criminal investigation. *A police background check is required to participate in job shadows, internships, and ride-alongs at local police departments.*

## MEDICAL ASSISTING I/II

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

This program introduces you to a wide variety of careers in the allied health field, including medical lab technician, medical assistant, and medical office professional. Training will include medical terminology,

communication, body structure and function, vital sign measurement, principles of infection control, medical instrumentation, pharmacy technology, medical office assistant certification procedures, and microscope usage.

## MULTIMEDIA DESIGN I/II

Open to Grades: 11-12

Credits: 3.0

Semester: Year

In the first year of Multimedia Design, you'll be introduced to design, art, and digital media through the exploration of 2-D and 3-D composition. Software programs such as Adobe Photoshop, Illustrator, and InDesign will be utilized to teach design concepts and create compositions. You'll also cover the basics of HTML website creation and the process of creating complex websites through the Adobe XD software. After the second semester, you'll become certified in Adobe applications.

The second year has been developed to introduce you to digital video editing and other areas in the field of multimedia that coincide with the video editing process. You'll explore the art of video creation from capturing imagery, sound, editing, and exporting video. You'll also explore the world of 2-D animation from scriptwriting, storyboarding, transferring drawings to digital renderings, working with different file formats, and more.

## BIOMEDICAL SCIENCE I/II

Open to Grades: 11-12

Credits: 3.0

Semester: Year

### YEAR ONE COURSES:

#### Principles of Biomedical Science

Principles of Biomedical Science (PBS) provides an introduction to biomedical science through exciting hands-on projects and problems. You'll investigate concepts of biology and medicine as you explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. You'll determine the factors that led to the death of a fictional woman as you sequentially piece together evidence found in her medical history

and her autopsy report, then investigate lifestyle choices and medical treatments that might have prolonged the woman's life and demonstrate how the development of the disease is related to changes in human body systems.

#### Human Body Systems

In the Human Body Systems (HBS) course, you'll examine the interactions of body systems as you explore identity, communication, power, movement, protection, and homeostasis. You'll design experiments, investigate the structures and functions of the human body and use data acquisition software to monitor body functions, such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, you'll build organs and tissues on a skeletal model, perform 4 organ dissections, work through interesting real-world cases, and play the role of a biomedical professional to solve medical mysteries.

### YEAR TWO COURSES:

#### Medical Interventions

In Medical Interventions, you'll follow the life of a fictitious family as you investigate how to prevent, diagnose, and treat disease. You'll explore how to detect and fight infection, screen and evaluate the code in human DNA, evaluate cancer treatment options, and prevail when the organs of the body begin to fail. Through real-world cases, you'll be exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

#### Biomedical Innovation

In the final course of the PLTW Biomedical Science sequence, you'll build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. You'll address topics ranging from public health and biomedical engineering to clinical medicine and physiology. You'll also have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution.

## LASER TECHNOLOGY

Open to Grades: 11-12

Credits: 3.0

Semester: Year



Held at the College of Lake County, this two-year program provides training in photonics using state-of-the-art optical and laser equipment. Photonics is the technology of harnessing light and other forms of radiant energy whose quantum unit is the photon. It involves cutting-edge uses of lasers, optics, fiber-optics, and electro-optical devices in diverse fields of manufacturing, healthcare, telecommunication, environmental monitoring, homeland security, aerospace, green construction, and many others.

## GAME PROGRAMMING/VIRTUALIZATION

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

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

## INDUSTRIAL TECHNOLOGY

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

Our Industrial Technology program, located at the College of Lake County's new [Advanced Technology Center](#), will prepare you to work in a modern manufacturing environment, developing the skills you need to maintain, repair, and operate machinery and equipment in a high-tech, industrial setting. You'll gain "hands-on" experiences in hydraulics, machine alignment, electricity, and mechanical fundamentals. After acquiring skills in electronics, computerized equipment maintenance, and preventive/predictive maintenance, you'll have the confidence and ability to work for industrial manufacturing companies, food manufacturing/processing plants, farms, industrial contract service providers, machine shops, construction companies, and welding/fabrication shops.

## WELDING/FABRICATION I /II

Open to Grades: 11-12  
Credits: 3.0  
Semester: Year

This two-year program provides hands-on experiences gained from extensive practice and application of knowledge in shop safety, oxy-fuel welding and burning, arc welding, (stick, MIG, TIG), plasma arc cutting, and automatic shape cutting. Layout and fit-up, blueprint reading, and weld symbols are used to fabricate a variety of metal projects. The American Welding Society (AWS) recognizes the Tech Campus Welding program as an Educational Instruction Member.



Four Year Course Plan Worksheet

FOUR YEAR-COURSE PLAN WORKSHEET			
NAME _____			GRAD YEAR _____
9TH GRADE GOAL _____			
10TH GRADE GOAL _____			
11TH GRADE GOAL _____			
12TH GRADE GOAL _____			
COLLEGE CHOICE(S) _____			
CAREER GOAL(S) MAJOR _____			
Required AHHS Graduation = 23 Credits		Post-Secondary Preparatory = 24+ Credits	
<b>English Language Arts- (4 Credits)</b> English I _____ English II _____ English II _____ Eng. Elective _____  <b>Mathematics- (3 Credits)</b> Algebra I _____ Geometry _____ Algebra II _____  <b>Social Sciences- (3 Credits)</b> World History/Geo _____ U.S. History _____ U.S. Constitution _____ Government/Civics _____ Personal Finance _____  <b>Laboratory Science- (2 Credits)</b> _____ _____  <b>Physical Education- (3.5 Credits)</b> <i>PE exemption if you attend LOTC or MOC</i> Year 1 _____ Year 2 _____ Year 3 _____ Year 4 _____  <b>Health- (.5 Credit)</b> Year 2 _____  <b>Driver's Education Classroom- (.5 credit)</b> Requirement _____  <b>Electives- (6.5 Credits)</b> <i>1 credit must be in Art, Music, Foreign Language and/or CTE</i> Elective _____ Elective _____ Elective _____ Elective _____ Elective _____ Elective _____		<b>English Language Arts</b> _____ _____ _____  <b>Mathematics</b> _____ _____ _____  <b>Social Sciences</b> _____ _____ _____  <b>Laboratory Science</b> _____ _____ _____  <b>Electives</b> <i>2+ credits in Foreign Language suggested</i> Elective _____ Elective _____ Elective _____ Elective _____ Elective _____	
Yearly Credit Check			
Grade	Semester 1	Semester 2	Total Credits
9			
10			
11			
12			
<b>Class Standings</b> Freshman= 0- 5.5 credits, Sophomore= 6-11.5 credits, Junior= 12-17.5 credits, Senior= 18+ credits			

## OVERVIEW OF THE COLLEGE POST-SECONDARY OPTION

### YEARLY CHECKLISTS TO HELP PREPARE YOU FOR LIFE AFTER HIGH SCHOOL

Every Year:

- Take challenging classes in core academic subjects. Most colleges require 4 years of English, at least 3 years of social studies, 3-4 years of mathematics, 3 years of science, and many require 2 years of a foreign language. Round out your course load with classes in computer science and the arts.
- Stay involved in school- or community-based activities that interest you or let you explore career interests. Consider working or volunteering. Remember- it is quality (not quantity) that counts.
- Build your credentials. Keep track of academic and extracurricular awards, community service achievements, and anything else you participate in, so it'll be easier to remember later. It will come in handy when you want to highlight your accomplishments- such as when you're filling out college applications, applying for scholarships, or creating a resume.
- Talk to your school advisor and other mentors about education after high school. Your advisor can answer questions about what classes to take in high school, how to sign up for standardized tests, and where to get money for college.

Grade 9:

- PSAT 8/9 is taken. It also releases your name to colleges so you can start receiving brochures and information from them.
- Start aligning course scheduling with career goals. Students interested in **highly selective colleges** or wanting to participate in Division I or II college sports need to make sure they are meeting entrance requirements as early as their freshman year.
- Make the grade. Get off to a good start with your grades because they will impact your GPA and class rank. Although college seems like a long way off right now, grades really do count toward college admission and scholarships.
- Explore careers and colleges and check out scholarships. (Some essay contest scholarships are available as early as middle school.)
- Developing your reading skills will help prepare you for tests and make you a well-rounded individual.
- Practice your writing because you'll need good writing skills no matter what path you pursue. Find a teacher or another adult who can advise and encourage you to write well.

Grade 10:

- Start getting ready for the SAT. PSAT10/NMSQT test is offered. ("Practice" SAT and National Merit Scholarship Qualifying Test)
- PSAT10 is taken.

- ☑ All sophomores have the option to take the ASVAB.
- ☑ Continue exploring various careers as well as colleges and scholarship opportunities.
- ☑ Begin gathering college information. Go to college fairs, attend college nights, meet with college representatives in the cafeteria, and visit colleges (special visit days often occur on holidays or during the summer) and check out scholarships.
- ☑ Stay on track with your courses and grades.
- ☑ Begin learning about the college admissions process by getting familiar with general college entrance requirements.

Grade 11:

- ☑ Students take the SAT (state required). Students may need to retake the SAT or take the ACT at their own cost to try to obtain a higher score.
- ☑ Continue gathering college information. Go to college fairs, attend college nights, meet with college representatives in the cafeteria, and visit colleges (special visit days often occur on holidays or during the summer) and check out scholarships.
- ☑ Evaluate your education options by deciding whether you want to pursue full-time employment, further education or training, or a military career.
- ☑ Make a college list that includes schools that meet your most important criteria (for example: size, location, cost, academic majors, or special programs). Weigh each of the factors according to their importance to you and develop a preliminary ranking of the schools on your list.
- ☑ Make sure you're meeting NCAA ClearingHouse requirements.
- ☑ All juniors have the option to take the ASVAB Testing.

Grade 12:

- ☑ All seniors have the option to take ASVAB Testing.
- ☑ Take/retake the ACT or SAT first semester if students want to raise scores.
- ☑ Students interested in playing sports in college need to register with the NCAA ClearingHouse and contact athletic departments at colleges of interest.
- ☑ Apply to colleges early. Aim to have applications out by mid-November. (Make copies of all information sent out!)
- ☑ Ask for letters of recommendation.
- ☑ MUST fill out the FAFSA as soon after October 1st as you can. Take advantage of various financial aid workshops to assist you. Fill out college financial aid applications and check deadline dates.
- ☑ Notify colleges that have accepted you with *your decision by May 1st*.



## WEBSITES OF INTEREST

Listed below are helpful websites for parents and students to visit in preparation for college & career readiness:

### Career Cruising

Use [CareerCruising](#) as a research tool to help find colleges, careers, and majors that work for you. Take their interest inventories & surveys to help discover a unique path for you. Username: aldenhebron  
Password: giants

### CollegeBoard

Using this [website](#), students can register for the SAT. This website also offers guidance on finding a college, applying to a college, and paying for college.

### Colleges, Careers, & Degrees

Click on the [link](#) for comprehensive information on Illinois colleges, universities, career colleges, technical colleges, vocational colleges, technical schools, vocational schools, and online degree programs. This site also offers information on applying for a number of scholarships available to students.

### eCampus Tours

Visit this [website](#) to take an online tour of many major universities. Create an online portfolio of articles about college planning, campus life, financial aid, and career exploration. Contact college admissions offices through online virtual tours.

### NCAA Eligibility

Student-athletes must register with the [NCAA Eligibility Center](#) to be eligible to play NCAA Division I or II sports in college. Athletes playing in Division III do not have to register. The NCAA Eligibility Center certifies whether prospective college athletes are eligible to play sports at NCAA Division I or II institutions.

### FAFSA Financial Aid

Find answers to all of your federal student aid questions at this [website](#). Apply for a PIN number and information about documents and deadlines you need to know about ahead of time. Then, complete your FAFSA forms online and return to this site to check the status of your application, make corrections, or get additional information.

### FASTWEB

Students can take a detailed survey about themselves here, and, upon completion, the results generate a personalized suite of scholarships, colleges, internships, and jobs available to them. Click [here](#).

### Financial Aid

Visit this [website](#) to find a plethora of important financial aid information, including information on scholarships, loans, college savings plans, and military aid.

### The Illinois Student Assistance Commission

The Illinois Student Assistance Commission's goal is to make college accessible and affordable for Illinois students. [ISAC's](#) college access and outreach activities are focused on helping families navigate the numerous steps involved in career and college planning as well as finding, applying to, and paying for college. These activities provide tremendous support to improving the high school to college transition for students in need.

### NCAA ClearingHouse

If you are a prospective student-athlete, looking to participate in intercollegiate athletics at an NCAA Division I or Division II institution in the future, then apply for eligibility at this [website](#).

### ACT Preparation

Sign up for a free account and begin your [ACT Prep](#) for FREE! Students can take full practice exams or specify if they'd rather see specific subject area practice questions (such as geometry questions from the math section). Students can also read ACT tips and tricks, as well as read explanations for each practice question's correct answer.

### Princeton Review

Test preparation and information about the SAT and ACT is available via online courses, classroom courses, books, and free practice tools through this [website](#).

### WhatsNextIllinois

Students can find anything they need to plan, apply, and go to the college or university of their choice! Students can begin planning in high school for their future education, and also careers. Click [here](#).



# Alden-Hebron High School



## Mission Statement

Alden-Hebron High School will enable every student the opportunity for personal growth and academic success now and in the future.

### At Alden-Hebron High School we believe:

- That success derives from personal initiative with support and open communication from teachers, parents and the community.
- It is important to provide rigorous, relevant and hands-on experiences to promote life-long learning.
- Providing a respectful, responsible and safe school enables all learners to obtain their full potential.

## Contact Us

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Hebron, IL 60034

**Phone:** (815) 648-2442

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## Find Us

