Easton Valley students will be required to take core courses at Easton Valley Schools unless exempted by the Principal.
EASTON VALLEY COMMUNITY HIGH SCHOOL

To the Students:

This booklet has been prepared to help you with registration in the senior high school.

Carefully study this manual to make certain that you understand what will be expected of you in the courses you choose. Pay particular attention to the requirements for graduation and the description of courses that will help prepare you for future employment or higher education. A worksheet is included in this manual to help you to do this. Discuss your plan with your parents and counselor. It would be advisable if you and your parents study this booklet together. Let them help you make tentative decisions as to what subjects to take, so that you may complete your high school program with the best possible background for future training and work experience.

Please note the admissions requirements for many universities on page 7. Good planning in your high school years will provide a better education for you and assist you in attaining your future goals.

The Guidance Department

CONTINUOUS NOTICE OF NONDISCRIMINATION

It is the policy of the Easton Valley Community School District not to discriminate on the basis of race, color, national origin, sex, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity and socioeconomic status (for programs) in its educational programs and its employment practices. There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy please contact Chris Fee, 321 W School Street, Preston, IA; (563) 689-3431; chris.fee@eastonvalleycsd.com.

THE PERMANENT RECORD

Although there are certain standards to be met before the granting of a high school diploma, there are wide differences in the abilities of graduates. Employers, technical schools, colleges and educators have long been aware of this range of abilities. Additional information is frequently requested about a graduate when that student is considered for employment or admission to a college. Your permanent record maintained by the High School is the source for much of this requested information.

The permanent record shows your courses taken, grades earned, standardized test scores, cumulative grade point, rank in class, absences, tardies, entry and withdrawal from school. Your permanent record is permanently maintained by the High School after you graduate and will continue to help you or haunt you...depending on what you have made it.

The courses you take in High School are an important factor in being accepted for Post-High School study or work. In the course selection process it is important to consider potential vocations. Research the requirements of these vocations and take courses which are required or seen as helpful. To allow yourself flexibility, it is wise to take courses which would allow you several alternatives.

Although a grade of 'D' in a course gives the same credit toward graduation as an 'A', the two grades represent widely different levels of achievement. It is this difference that employers and admission officers weigh as they evaluate you.
While you are in High School, you will take several standardized tests which measure your level of achievement, interest and ability. Since the results become a part of your record, it is to your advantage to do the best you can.

One comment often heard as students review their record is "Did I miss that many days?" Your attendance is recorded and also becomes a part of your permanent record. Employers are very particular about the school attendance of prospective employees. As a rule, a student who misses more than 5% (or 9 days) of school per year may be considered a poor risk by a potential employer.

The permanent record reflects who you are. Make it the best you can. Since it may well give someone their first impression of you, it should be made to look as good as possible.

A copy of the permanent record is called a 'transcript'.

Here are some important reminders and tips when developing your class schedule:

1. **Choosing Classes**
   Now is the time to think seriously about the importance of choosing strong academic courses. Even if you are not currently considering attending college, you will still benefit from them for the following reasons:

   * Almost all jobs require a much stronger academic preparation than they did only a few years ago. For example: Farmers need to have a knowledge of computers and business administrations, factory workers must understand robotics, mechanics need to operate computer-driven machines, and clerical workers must understand electronic spreadsheets.

   * You will find that the same basic skills that you will gain from taking more difficult courses now will help you in your work and in other life experiences later. Possibly the most important thing you will gain is how to learn and overcome challenges that seemed imposing at one time.

2. **Develop good work and study habits**
   You need to find study methods that work for you. Your teachers and counselor can give you helpful suggestions for this, and it is important that you use them as resource people for your assistance. Students who come to college with proven work and study patterns have an advantage over students who need to establish them while they are coping with all of the other challenges to incoming freshmen. If you plan on entering the workforce directly after your high school graduation, good work habits are also important in order to maintain a job and do your best at the position.

3. **Enjoy and appreciate learning**
   You will continue to learn throughout your entire life, and it is important that you recognize that your high school program, your educational plans after high school, and your choice of a future career or profession are all part of one process that involves learning and adapting to various situations.

4. **Take the time to explore**
   While you are in high school, consider taking courses that will allow you to explore a future career, develop a talent in the performing or visual arts, teach you about a scientific field you have known nothing about, and participate in extracurricular activities. These are valuable as they broaden your horizons, enhance your educational experience, and increase your interaction with other people. These activities also help make you a confident and successful individual.

**College Requirements**

*The idea is to get through college, not just get into a college.*

Core Curriculum is the suggested courses that the state of Iowa and ACT recommend students to take to prepare them for college level work. Make sure your child checks the requirement for the colleges and programs in which he or she is interested to see if additional classes are needed:
Four years of English
Three years of core Math, recommended 4 years of core Math
Three years of science, including Biology, Chemistry, and Physics
Three years of social sciences: World History, American History, American Government

The number one reason to take the right courses is to prepare to do college work and avoid the need to take remedial courses in college. It’s a waste of time and money to take basic courses in college that a student should have taken in high school. And worse yet, a student can become discouraged and drop out. ACT research showed one-fourth of college students don’t return their second year of school, and only half graduate from the same school within five years. Many students aren’t completing their college degrees, and a big reason is that they aren’t prepared to do the work.

GENERAL SUGGESTIONS ABOUT PROGRAM PLANNING

One of the most important duties a student and their parents have in regard to the student’s high school career is to choose the most beneficial course offerings that they can. Each year, it is necessary for you to evaluate your educational experiences of the past and come to some decision as to what experiences (courses and activities) would be most valuable to you in the high school year, or years, ahead. Each of you wishes to obtain the ideal education -- that education which will insure you a happy and worthwhile life. Remember, that each of you is a different individual, and what experience may be best for your close friends may be totally inadequate for you.

Some of the subjects are "required": that is, they must be taken by all students who expect to graduate from high school. These "required" subjects have been established by state law and the directors of the school board as an educational framework for all high school students. Many of the subjects offered by Easton Valley are "electives" and may be selected by the individual student to round out their high school curriculum. It is with these "electives" that this booklet is primarily concerned because choices made in the elective areas are often the determining ones of the future educational and work possibilities for the student. The choice of electives should be determined by the following factors: (1) interests of the student; (2) the capacity or aptitudes of the student to master certain areas of school and subject matter; (3) what the student intends to do after completing high school. Too often a student selects subjects on the basis of likes or dislikes for a certain course rather than an intelligent analysis of his/her needs.

Everyday the school receives recommendation forms or certifications from businesses or schools of higher education requesting information concerning students who are in school or have previously attended here. They wish to know about scholastic records, personality, behavior, reliability, and attendance as shown by your cumulative record. Because your school record counts for, or against you, all during your life, make certain that it is the best you can possibly compile.

COURSE DESCRIPTION GUIDE

General Information:

Class Load

The minimum class load for all students is five subjects and P.E. The credit value of these classes must add up to a minimum of 13 credits for the year.

Classification

The following represents the number of credits needed to be classified as a sophomore, junior or senior.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomore:</td>
<td>11.5 credits</td>
</tr>
<tr>
<td>Juniors:</td>
<td>23.0 credits</td>
</tr>
<tr>
<td>Senior:</td>
<td>35.5 credits</td>
</tr>
</tbody>
</table>

Classification is determined prior to the start of school each year.
GRADUATION REQUIREMENTS

Students must have successfully completed the courses required by the Easton Valley School Board for graduation. Students must successfully complete each grade level, grade one through grade twelve, and complete all the required courses of study prior to graduation as determined by the State Department of Education and the Easton Valley School Board. Bulletins and handbooks will be published that outline and explain in detail the graduation requirements of the school system.

It shall be the responsibility of the superintendent to ensure that students complete grades one through twelve and that high school students complete their graduating class's assigned credits. All students from Easton Valley High School will be required to achieve a minimum of 50 credits in order to graduate. The following credits will be required.

8 credits of English:  
2 credits of 9th grade English  
2 credits of 10th grade English  
2 credits of 11th grade English (or equivalent)  
2 credits of 12th grade English (or equivalent)

6 credits of Math:  minimum of 3 years of Core Math

6 credits of Science  
2 credits of Earth Science  
2 credits of Biology  
2 credits of Physical Science/Chemistry/Physics/Anatomy

8 credits of Social Sciences:  
2 credits of 9th grade Social Studies  
2 credits of American History  
2 credits of Government – 1 credit Government/1 credit Economics  
2 credits of Psychology/Sociology

Any 8th grader that takes Algebra 1 is still required to take the minimum 6 credits/3 years of core math in high school.

P.E. is required during one semester of attendance per year and successful completion of one semester of P.E. is awarded .5 credit.

Effective with the Class of 2020, all students will be required to take and pass a personal finance class and a health class before graduating.

All students must take a minimum of five full credit classes and may not take more than seven full credit classes per semester. Seniors may take eight full credit classes in certain instances.

A student will not be allowed to graduate with fewer than 50 credits without the approval of the board. Special Education students may meet individual graduation requirements as stated in their individual education plan. The board shall have complete discretion to determine extraordinary circumstances.

Transfer students may be granted exemption from Easton Valley graduation requirements if it is impossible to graduate on schedule because of previous school requirements.

Students that have dropped out of high school for various reasons may have the following options available to them to receive their high school diploma:

1. Take the necessary HiSET course work and exams which gives the equivalency of finishing high school;
2. Return to the High School and complete the necessary course work;

The required courses of study will be reviewed by the board annually.
Grade Point Average (G.P.A.)

Class rank is determined by grade point average. All courses for which one full credit per semester is awarded will be used in determining grade point average. Grade point average is determined by using the following equivalents.

A = 4 points  
B = 3 points  
C = 2 points  
D = 1 point  
F = no points

Honor Roll

The Honor Roll is figured after every quarter and semester. All classes will count toward the Honor Roll in proportion to the amount of credit awarded. A student must have a 3.0 (B) average and no D's to be on the Honor Roll and a 4.0 (A) average to be on the A Honor Roll.

Policy on Incompletes

There will not be any credit given for incompletes unless there are extenuating circumstances which have been previously cleared with the teacher of that course and the school principal. This will apply to the quarter grade and the semester grade. All incompletes need to be finalized within two weeks from the end of the grading period.

Pass/Fail

Only Juniors and Seniors may take a high school class on a Pass/Fail basis. These students are limited to earning a maximum of three credits on Pass/Fail during those two years. Required courses may not be taken Pass/Fail. Students who elect to take a class Pass/Fail must make declaration by Friday of the 4th week of the semester. If a student earns an "A" or "F" for a course, he/she has put on Pass/Fail, the "A" or "F" will count towards the student's GPA. Any other grade earned on this course (B, C, D) will be recorded as a P on the student's record and will not count towards the GPA. Students may elect to have a "B" count toward GPA and be recorded as a "B".

Title IX/MCNS

Educational employment opportunities and class selections are offered equally to all students without regard to sex, religion, age, marital status, race, disability or national origin. If you have any questions please contact: Curriculum Coordinator, Easton Valley Community Schools.

Special Populations/Work Experience

Students who are members of Special Populations are encouraged to enroll in the vocational educational classes provided by the district. If you are in need of special services to help you benefit from these classes, please contact your high school counselor. Special populations are: students who score below 25% on ITBS or ITEDs; Special Ed.; Free and reduced Lunch; A.D.C. Recipients; Below 2.0 on G.P.A.

Schedule Changes - Drop & Add

After the initial registration and scheduling process, schedule changes will only be allowed for valid reasons, and must be approved by the student's parents and counselor. Students have four days of school after the beginning of each semester to add or drop a class. Any student dropping a course after the first four days of the semester could receive a failing grade and/or no credit for the semester in that course. This includes band and chorus.
**Student Responsibilities**

Students enrolled at Easton Valley High School:

A. Shall be required to pay for any breakage of equipment incurred by them, as well as for any excessive or unauthorized usage of course materials.

B. Shall be required to observe all safety precautions while working in the laboratory i.e. wearing of goggles, laboratory aprons as required.

**Early Graduation**

Students may graduate prior to the completion of grade twelve if the course work required for graduation under Easton Valley School Board policy "Graduation Requirements" has been fulfilled. In such cases, the student must have the approval of the superintendent and the principal. See the guidance counselor at the start of your Junior year, or earlier, to start the process.

**Fees**

Certain courses that use expendable materials may require fees that may not be indicated in the Course Description Guide.

**Maquoketa Classes**

Students may take classes in Maquoketa that are not offered at Easton Valley. This includes the academics, Family Consumer Science, Industrial Tech., etc. Any general education class NOT for college credit will not be allowed if offered here at E.V.

**HIGH SCHOOL COUNTS:**

*Make the most of the high school courses*

**Take the Challenge**

The first step is choosing the subjects you'll take in high school. This is the time to think seriously about the importance of choosing strong academic courses. Even if you’re not currently considering attending college, you still will benefit from them. Here’s why:

Almost all jobs require a much stronger academic preparation than they did just a few years ago. Farmers need to be experts in computer skills and business administration. Factory workers must understand robotics. Mechanics need to operate computer-driven machines. Clerical workers must understand electronic spreadsheets. Band musicians need to know music theory. You’ll find that the same basic skills you’ll gain from taking more difficult courses now will help you in your work and in other life experiences later. The most important thing you’ll learn is now to learn and overcome challenges.

You might change your mind and decide to go to college or technical school.

**Learn How to Live**

Here are some important points to consider as you choose your high school courses. If you follow them, you’ll increase your chances of being well prepared academically for college, being admitted to the college of your choice, and completing your degree in four years.

Choose your high school courses carefully and wisely. It is tempting to choose a course in which you know you could get a good grade, rather than one that might be difficult for you. But a challenging course will help you when you get to
college. During high school, you need to develop strong skills in reading, writing, speaking, listening and reasoning. Courses that will help you do so are English (especially composition), mathematics, sciences with laboratory experience, social studies, and foreign language. Your counselor can help you make the right choices.

Develop good work and study habits. You need to find study methods that work for you. Your teachers and guidance counselors can give you helpful suggestions as you experiment to find out how you learn best. Students who come to college with proven work and study patterns have a great advantage of students who need to establish them while they are coping with all the new experiences of being a college freshman.

Enjoy and appreciate learning. Consider your high school years as an opportunity to prepare yourself for the future, because you'll continue to learn for the rest of your life. Make every effort to understand the concepts, theories, philosophies, and relationships you're exposed to, rather, and simply memorizing facts and cramming for exams. Your high school program, your educational plans after high school, and your choice of a future career or profession are all part of one process.

Take the time to explore. While you are in high school, consider taking courses that will allow you to explore a future career, cultivate a talent in the performing or visual arts, or teach you about a scientific field you've known nothing about until now. Participate in extracurricular activities. These initiatives are valued in college because they broaden your horizons, enhance your total educational experience, and increase your interaction with other people. Combined with a strong academic program, these activities should make you a confident and successful college student.

Course Requirements for Admission to Iowa Regents Universities
To encourage you to get the most out of your high school experience and to ensure that you are academically well prepared for college study, the Iowa regents' universities have established a set of course requirements for admission. By meeting these requirements, you will satisfy not only the high school course requirements for admission to a state university in Iowa, but also the requirements for most other college and universities you might want to attend.

These requirements are just minimal for admission. You may need to take additional college prep courses in high school. For example, if you plan to pursue a degree in engineering, you'll need to take as many mathematics courses beyond second year algebra as you can during high school. Also, see about earning college credits during high school through the Advanced Placement Program, College Level Examination Program or Postsecondary Enrollment Options courses at nearby colleges. The enclosed chart in this booklet outlines the high school course requirements for admission to each of the regents universities. While the requirements are fundamentally similar, some differences exit that reflect the individuality of the three universities.

Four-Year Graduation Plans
The University of Iowa, Iowa State University, and the University of Northern Iowa recognize that you may wish to complete a bachelor's degree in four years. You may want to save the money you would have spent for tuition, room and board, and other expenses in your fifth or sixth year. And, if you complete your degree in four years, you'll be able to begin your career or go on to graduate school sooner. Our Four-Year Graduation Plans guarantee that if you fulfill certain responsibilities, you will have access to the courses needed to graduate in four years.

In order to participate in the plans, your responsibilities include taking the right courses in high school; planning your college courses carefully with your advisor; meeting all university deadlines; remaining in good academic standing; and completing one-quarter of the courses required for your degree each year. Although most majors can be completed in four years, some cannot. Majors that cannot be completed in a four-year time frame are called extended majors and are not included in the Four-Year Graduation plans.

Education at an Iowa Regents University is already a great value. Our Four-Year Graduation Plans just make it better.
### COURSE LIST

<table>
<thead>
<tr>
<th>Department</th>
<th>Classes</th>
<th>Credit Value/Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>Intro. To Ag. (9)</td>
<td>2.0 year</td>
</tr>
<tr>
<td></td>
<td>Ag Communications (10-12)</td>
<td>1.0 semester</td>
</tr>
<tr>
<td></td>
<td>Agronomy (10-12)</td>
<td>1.0 semester</td>
</tr>
<tr>
<td></td>
<td>Animal Science (9-12)</td>
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<tr>
<td></td>
<td>Advanced Animal Science (10-12)</td>
<td>1.0 semester</td>
</tr>
<tr>
<td></td>
<td>Farm Business Management (10-12)</td>
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</tr>
<tr>
<td></td>
<td>Food Safety (11-12)</td>
<td>1.0 semester</td>
</tr>
<tr>
<td></td>
<td>Horticulture (10-12)</td>
<td>1.0 semester</td>
</tr>
<tr>
<td></td>
<td>Natural Resources (10-12)</td>
<td>1.0 semester</td>
</tr>
<tr>
<td></td>
<td>Small Animal Science (10-12)</td>
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<tr>
<td></td>
<td>Ag Construction (11-12)</td>
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</tr>
<tr>
<td></td>
<td>Agricultural Mechanics (10-12)</td>
<td>1.0 semester</td>
</tr>
<tr>
<td>Art</td>
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<tr>
<td></td>
<td>Art II (10-12)</td>
<td>2.0 year</td>
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<tr>
<td></td>
<td>Art III and Exploratory (11-12)</td>
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<td></td>
<td>Art IV - Independent (12)</td>
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<tr>
<td>Business – at Maquoketa</td>
<td>(See Maquoketa attachment for listing of classes.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Accounting I (10-12)</td>
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<tr>
<td></td>
<td>Accounting II (11-12)</td>
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<td></td>
<td>Business Law (11-12)</td>
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<td></td>
<td>Introduction to Business (9-10)</td>
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<td></td>
<td>Marketing (10-12)</td>
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<td></td>
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<td></td>
<td>School-to-Work Readiness (11-12)</td>
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<td>English</td>
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<td>English 10 (10)</td>
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<td>Creative Writing (11-12)</td>
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<td>Expository Reading &amp; Writing (11-12)</td>
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<tr>
<td></td>
<td>Modern Literature (11-12)</td>
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<td></td>
<td>Contemporary Literature (11-12)</td>
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<tr>
<td></td>
<td>British Literature (11-12)</td>
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<tr>
<td></td>
<td>American Literature (11)</td>
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<tr>
<td></td>
<td>Literary Films (11-12)</td>
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</tr>
<tr>
<td></td>
<td>Practical Communications (12)</td>
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<tr>
<td></td>
<td>Publications I (9-12)</td>
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<tr>
<td></td>
<td>Publications II (10-12)</td>
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</tr>
<tr>
<td></td>
<td>Drama</td>
<td>1.0 semester</td>
</tr>
<tr>
<td>Family &amp; Consumer Sciences</td>
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</tr>
<tr>
<td>Foreign Languages</td>
<td>Spanish I (9-12)</td>
<td>2.0 year</td>
</tr>
<tr>
<td></td>
<td>Spanish II (10-12)</td>
<td>2.0 year</td>
</tr>
<tr>
<td></td>
<td>Spanish III (11-12)</td>
<td>2.0 year</td>
</tr>
<tr>
<td></td>
<td>Spanish IV (12)</td>
<td>2.0 year</td>
</tr>
</tbody>
</table>
Health (9-12) 1.0 semester

- **CNA** - at Maquoketa (See Maquoketa attachment for listing of classes.)
- **Industrial Technology** - at Maquoketa (See Maquoketa attachment for listing of classes.)
- **Welding Academy** - at Maquoketa (See Maquoketa attachment for listing of classes.)
- **Information Technology Academy** - at Maquoketa (See Maquoketa attachment for listing of classes.)

**Logistics Academy** - at Maquoketa (See Maquoketa attachment for listing of classes.)

**Mathematics**

- Pre-Algebra (8-9) 2.0 year
- Algebra I (9-12) 2.0 year
- Geometry (10-12) 2.0 year
- Algebra II (10-12) 2.0 year
- Pre-Calculus 2.0 year

**Mathematics** - at Maquoketa (See Maquoketa attachment for listing of classes.)

**Music**

- Mixed Choir (9-12) 1.0 year
- Concert Band (7-12) 1.0 year

**Project Lead the Way-Engineering** - at Maquoketa (See Maquoketa attachment for listing of classes.)

**Science**

- Earth Science (9-10) 2.0 year
- Biology (10-11) 2.0 year
- Physical Science (11-12) 2.0 year
- Anatomy (11-12) 2.0 year
- Chemistry (11-12) 2.0 year
- Physics (11-12) 2.0 year

**Science** - at Maquoketa (See Maquoketa attachment for listing of classes.)

**Social Studies**

- World History (9) 2.0 year
- American History (10) 2.0 year
- American Government (11) 2.0 year
- Psychology/Sociology (11-12) 2.0 year
- Current Events (11-12) 1.0 semester
- Political Science (11-12) 1.0 semester

**Computer Science**

- IT Essentials 1.0 semester
- CCNA 1 (Academy) 1.0 semester
- CCNA 2 (Academy) 1.0 semester
- CCNA 3 (Academy) 1.0 semester
- Intro to Gaming 2.0 year
- Advance Game Design (Academy) 2.0 year
- Video Editing 1.0 semester
- Website Design (Alternate Years) 1.0 semester
- Cyber Security Essentials (Academy) 1.0 semester
- Solidworks 2.0 year

**Others:**

- P.E. .5 semester
- T.A.G. (9-12) .5 semester
- S.E.S. (9-12) .5 semester
- Special Education (7-12) 1.0 semester
Alternate High School Program

Driver Education

1.0 semester

REQUIRED CLASSES

9th Grade
- General Science
- English 9
- World History
- Algebra I
- P.E. – 1 semester (minimum)
- Personal Finance – before graduating
- Health – before graduating

10th Grade
- Biology
- English 10
- American History
- Geometry
- P.E. – 1 semester (minimum)

11th Grade
- English class
- American Government/Economics
- Science
- Algebra 2
- P.E. – 1 semester (minimum)

12th Grade
- English class
- Psychology/Sociology
- P.E. – 1 semester (minimum)
- Math (if 3rd year of core math is needed)
- Science

AGRICULTURAL SCIENCE

THE AGRICULTURAL EDUCATION PROGRAM consists of three parts:
1) Classroom and Laboratory
2) Supervised Agricultural Experience (SAE)
3) Leadership Development (FFA)

The classroom and laboratory phase is to prepare students for an agriculture occupation and/or further study in agriculture at a vocational school, community college, or a four-year university. This phase is intended to further develop a student’s interest in the various areas of agriculture.

The Supervised Agricultural Experience (SAE) Program is a student’s opportunity to put into practice the knowledge and skills learned during agriculture classes. Experience consists of practical learning conducted outside the regular classroom time. SAE is required of students. You will pick an area that interests you in agriculture and learn more about it. For example, if you are interested in Animals, you may volunteer at the Humane Society to learn more about animals. You may get a job working at Subway to learn more about the Food Industry. You could also learn about Agriculture in other countries and do research. Your SAE is something that you choose that interests you. Entrepreneurship, Placement, Research, and Exploratory are the 4 types of SAE’s available.

The leadership development (FFA) phase is a national organization of, by, and for students of high school agriculture. The FFA is an intra-curricular activity and an integral part of the Agricultural Education curriculum.
**Concurrent Enrollment:** Please be aware that if you take a concurrent enrollment class, this will start your college GPA. This may affect things such as FAFSA. If you have questions, meet with the instructor or guidance counselor.

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<tr>
<th>Offered 2020-2021</th>
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<td>- Food Safety (1 Semester)</td>
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* denotes that class is concurrent enrollment

**Exploratory Ag 8**
Grade 8

**Introduction to Agriculture**
Grade 9
Two Semesters/Two Credits

The Introduction to Agriculture, Food, and Natural Resources course is intended to serve as an introductory course. The course is structured to enable all students to have a variety of experiences that will provide an overview of the fields of agricultural science and natural resources so that students may continue through a sequence of courses through high school. The knowledge and skills students develop will be used in future courses within the program. Students will also learn about the FFA organization and all the opportunities available.

**Ag Communications**
Grades 10-11-12
One Semester/One Credit

This course develops an understanding of fundamental skills necessary to be successful in the agricultural communications industry. Provide guided practice and applied experience utilizing various styles of communication including oral, written, visual and electronic communications. Techniques of communications will include: traditional print media, brochure development, photography, videography, computer program applications, and Internet usage. Each student will be expected to have a supervised agricultural experience (SAE) program.

**Agronomy**
Grades 10-11-12
One Semester/One Credit
Prerequisite: Intro to Ag

Agronomy will cover the plant side of agriculture focusing mostly on crop production. Crops such as corn, soybeans, small grains, alfalfa, and specialty crops will be all explored in depth. Students will learn about how plants grow, what plants need to grow, and how people alter normal plant growth. Students will enjoy making connections between the seed, field, and food. Each student will be expected to have a supervised agricultural experience (SAE) program.
Animal Science
Grades 10-11-12
One Semester/One Credit

This is an introductory Animal Science class. Students will learn about the different animal species (beef, dairy, sheep, goats, swine, poultry and horses), the breeds of these animals, feed and care of the different species, housing needs, and the different way to market the animals in order to make an income. Basic livestock judging will also be introduced in this class. Available careers will also be highlighted and researched as a part of this class. Each student will be expected to have a supervised agricultural experience (SAE) program.

Advanced Animal Science - CONCURRENT ENROLLMENT AGS 119
Grades 10-11-12
One semester/One Credit
Prerequisite: Animal Science or Instructor Approval

This course is designed to provide students with an understanding of the practices, management programs, labor requirements, reproduction programs, gestation periods, sanitation, health, and disease control concerns of livestock management. The student will also gain background knowledge needed to comprehensively advise livestock producers on livestock production enterprises.

Farm Business Management
Grades 11-12
One Semester/One Credit
Prerequisites: Animal Science, Agronomy or Instructor Approval

This course will introduce students to all aspects of owning and operating a farming business operation. We will cover goals, balance sheets, income statements, cash flow statements, business operations, taxes, etc., all related to the agricultural industry. Each student will be expected to have a supervised agricultural experience (SAE) program.

Food Safety
Grades 11-12
One Semester/One Credit
Prerequisite: Intro to Ag, and/or Biology 10 completed

This course is designed to increase a student’s knowledge of the food industry. Places an emphasis on how food products are processed, packaged, preserved, and delivered to the consumer. A variety of food products will be discussed such as milk, meat, poultry, eggs, cereal grains, fruits, and vegetables. In addition, students will understand the importance of food safety and quality. Students will learn through activities and lab experiments.

Horticulture
Grades 10-11-12
One Semester/One Credit
Prerequisite: Intro to Ag

This course is a study in horticulture. The goal of this course is to provide the basic knowledge in horticulture science and clearly illustrate how that knowledge is applied in both home and production agriculture. Working with various flowering and vegetable plants and conduct plant ID.

Natural Resources
Grades 10-11-12
One Semester/One Credit

The Natural Resources and Ecology course is a foundation course within the CASE sequence of courses. The course provides students a variety of experiences in the fields of natural resources and ecology. Students will explore hands-on
projects and activities while studying topics such as land use, water quality, stewardship, and environmental agencies. Study of the natural world including biomes, land, air, water, energy, use and care as well as a focus on issues surrounding man's interaction with the Earth will be addressed in this course.

**Small Animal Science**  
Grades 10-11-12  
One Semester/One Credit  
Prerequisite: Animal Science or Instructor approval

This course focuses primarily on dogs and cats, providing instruction on general health care, emergency responses, and nutrition of our favorite four-legged friends. Students will understand anatomy, nutrition, healthcare, pet ownership and maintenance of all small animals. Other animals covered will be rabbits, fish, and birds. If you are interested in a career with small animals, this is the course for you. Each student will be expected to have a supervised agricultural experience (SAE) program. This SAE will be something the student chooses to focus on and learn more about agriculture.

**Ag Construction**  
Grades 11-12  
One Semester/One Credit  
Instructor Approval needed

Prepares students to construct and maintain agricultural structures and equipment. Develops basic skills such as: tool identification, interpreting plans, calculating a bill of materials, electrification, carpentry, plumbing, and masonry. Each student will be expected to have a supervised agricultural experience program. Each student will be required to keep records with recordkeeping.

Seniority status will be given to students registering for this class. Class maximum size is 12.

**Agricultural Mechanics**  
Grades 10-11-12  
One Semester/One Credit

Basic Agricultural Mechanics is an introductory course that explores a wide variety of mechanical processes. Students will use scientific and mathematical applications through relevant mechanical topics. In addition, students will complete numerous lab-based and project-based activities that will give students the opportunity to develop an understanding of the scientific process and increase hand-eye coordination and motor skills. Areas of study in this course include careers in agriculture mechanics, mechanical safety and hazards, hand and power tools. Topic clusters in this course include small engines, welding and metal work, and mechanical technology. 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. Seniority status will be given to students registering for this class.

Class Maximum is 12 students.

**ART**

The art program is designed as an experience-oriented program to provide the students with a wide variety of individual and collaborative projects and challenges in the use of materials, and techniques. The art program provides an overall basic understanding of the part art plays in the history and cultures of our world. Art gives the student a creative outlet and a chance to learn through problem solving.
Art I
Prerequisite - none
Two Semesters/Two Credits

Intro to many of the basic art techniques and materials, learning to look and record on paper what is going on in the world. Emphasis on drawing (pencil, colored pencil, ink, and mixed media) painting (colors, relationship to each other, watercolor techniques, and acrylic painting) and printmaking (linoleum). Beginning ceramics - handbuilt pots and sculpture, wheel thrown pots and glazing. Explore careers in art, developing a project with design and layout. History, study of styles of various artists and the ways in which cultures record their lives through art.

Art II
Prerequisite - Art I
Two Semesters/Two Credits

A continuation of Art I and a continuation of the basic art techniques, materials, and principles. Also an introduction to new methods and review of the old.

Emphasis on improving drawing skills (introduction of figure drawing, charcoal, and pastel) and exploration of oil painting techniques on stretched canvas. Ceramics (advanced handbuilt pottery and sculpture, wheelwork, and glazing). Discover a variety of techniques and materials in the art of collage and scratchboard. Introduction to calligraphy (visual interpretation) and design-emphasis on developing creative and unique ideas. History, study of styles of various artists and the ways in which cultures record their lives through art. Explore careers in art, developing a project based on fashion design.

Art III
Prerequisite - Art I and II
Two Semesters/Two Credits

This course is designed for students interested in furthering their artistic skills and knowledge. Students must have discipline to work a great deal on his/her own and have a real interest in art. Advanced painting, drawing, ceramics, printmaking (silkscreen), adobe photoshop photography and crafts are areas that will be explored. Explore careers in art, developing a project based on interior/structure design. History, study of styles of various artists and the ways in which cultures record their lives through art.

Art IV
Prerequisite - Art I, II and III
Two Semesters/Two Credits

Advanced work in ceramics and drawing. Introduction to a variety of crafts, photography and unique art materials. Advanced work in painting thru a “senior tile”. Students must be able to set their own goals and do research in order to better their skills and create unique pieces of art. Explore careers in art, developing a project based on layout and design. History, study of styles of various artists and the ways in which cultures record their lives through art.

BUSINESS EDUCATION

Business Education classes are a strong foundation of nearly every job, career, and life. Courses can help prepare students for success after high school regardless of postsecondary plans. Included are written and oral communication skills, critical thinking, challenging tasks, ethics, and human relations. All of us need to produce not only profit but ways to improve our environment and society. We can no longer focus only on our American free enterprise system, but we need to be knowledgeable of our international/global economy.
**Accounting I**  
Grades 10-12  
Two Semesters/Two Credits  

This is a practical hands-on course for students who wish to learn the vocabulary and basic fundamentals of double-entry accounting. The major purpose is to help students learn procedures for keeping financial records of small and medium-sized businesses. This course provides a good background for a better understanding in managing personal property, planning a business, dealing with household budgeting matters, and basic business understanding for jobs in business and postsecondary study of accounting. It is a valuable course for all students regardless of whether the intent is to enter the workforce immediately or to continue with postsecondary education. Accounting is the language of business.

**Accounting II**  
Grades 11-12  
Two Semesters/Two Credits  
Prerequisite: Accounting I  

Accounting II is a continuation of Accounting I. There are some areas of review with more in-depth study. Subject matter enhances postsecondary plans in accounting or a possible career in a business-related field.

**Business Law**  
Grades 11-12  
One Semester/One Credit  

This course is an important life skill because of its effect on all careers and everyday living. Knowledge of business law is essential to surviving in the "real" world. Business law is that part of our legal code with which most people have the greatest amount of contact on a daily basis. Students will learn the basic rights and responsibilities as applied to everyday roles, a respect for law, the purposes and uses of various legal documents, the legal implications of various business activities, a working vocabulary of frequently used law terms, and to demonstrate decision-making skills and apply them to solving frequently encountered legal situations. This course should assist students in becoming more conscious of their need to respect law in return for protection of their lives and property. Extensive use is made of case-law study and discussions.

**Introduction to Business**  
Grades 9-10  
Two Semesters/Two Credits  

This is a basic business course explaining the role of business in our present-day economic system. This course could help unlock the mysteries of what businesses are, how they work, and what impact they have on our everyday lives. You can learn steps to take to prepare for success in your career. It is a solid basis for those students considering further study in business as well as offering useful and practical aspects of living to students not intending to take further business courses. This course should help all students become wiser consumers, better citizens, and more efficient employees.

**Marketing**  
Grades 10-12  
One Semester/One Credit  

This is an interesting business subject as there are examples of marketing all around us every day of our lives. Concepts are applied to current trends in the "real world.” Real-life examples and applications help stress the multicultural nature of the U.S. domestic marketplace and workplace. Units may include: concepts, economic essentials, business and social responsibility, human resource essentials, selling, and promotion. You will be able to apply what you learn to actual business situations.
**Personal Finance**
Grades 11-12
One Semester/One Credit

This course is designed for students to learn more about basic financial management techniques, yielding more financially responsible citizens. Topics will range from budgeting your money, making better buying decisions, avoiding the pitfalls of using credit, banking, exploring options for investing money, learning the basics of insurance, obtaining loans, and income taxes.

**School-to-Work Readiness**
Grades 11-12
Two Semesters/Two Credits

This course is designed for job search skills, workplace skills, human relations, ethics, and responsibilities. YOU will be part of the workforce whether after high school, during college, or after college. So if you would like a head start on getting/keeping jobs and advancing with people skills, this class could be for YOU.

**ENGLISH DEPARTMENT**

1. **Goals:**
The aim of the English department is to teach students essential skills in the basic areas of vocabulary, reading, writing, and speaking. The department also tries to provide a background that will enable students to recognize, understand, and enjoy fine literature in all its forms.

2. **Course Descriptions:**
Eight (8) credits in English are required for graduation.

**English 9**
Two Semesters/Two Credits
Freshmen - required

This course stresses grammar and usage with extensive time spent on development of writing skills needed in structuring sentences, paragraphs, essays, and reports. Vocabulary, speech and writing of fiction, nonfiction and poetry will be intertwined. Literature covered during the year includes Mythology, Shakespeare and other selections of classics as well as poetry and modern adolescent fiction. Literary terms are taught in conjunction with literature units and analysis or response papers are written. Research skills are taught and woven into numerous assignments throughout the year. Students also read books of their own choice throughout both semesters and submit written responses to them.

**English 10**
Two Semesters/Two Credits
Sophomores- required

English 10 prepares students for the electives taken during the last two years of high school. Focus is spent on reading different genres of literature; both fictional and nonfictional. Writing components include writing a personal memoir essay, as well as writing to express understanding of different literary elements such as theme and key details. Literary works from the 14th century are discussed. English 10 incorporates a speech unit that exposes students to the basics of doing informational and persuasive speeches. This course and all of its components (including, but not limited to the speech unit) are required for successful completion.
Creative Writing
One Semester/One Credit
No Prerequisite

Creative Writing is a semester class for students who have strong interest in a writing class that is different than most offered in high school. Creative Writing is not about research, analysis, or explaining. In Creative Writing students will learn about different story writing aspects such as creating well-rounded characters and painting pictures of elaborate settings for their own fictional stories. Writing nonfiction such as memoirs and biographies is also involved. Focus is put on the process of brainstorming, writing, improving, and revising works in order to make them their absolute best. This class is for the imaginative student who enjoys thinking outside of the box but also want to hone in their skills as a writer.

Expository Reading and Writing **
One Semester; Fall only/One Credit
Prerequisite: English 9 & English 10

The goal of the Expository Reading and Writing course is to prepare college-bound students for the literacy demands of higher education. Major emphasis is placed on the writing process which stresses the steps of pre-writing, composing, revising, and proofreading. Students will read various genres of expository text as both a model to their own writing and in order to critique the writing. Students will be asked to critique their own work and the work of others as contributing peer-editors to the writing process.

This is a prerequisite course for juniors and seniors who intend on enrolling in online courses while attending Easton Valley.

Modern Literature
11th & 12th Grade
One Semester- Spring/One Credit

This course focuses on works of literature published after World War Two. Students read and respond to several contemporary novels. Study of various works of poetry and non-fiction is incorporated into the class throughout the semester.

British Literature
11th & 12th Grade
One Semester- Fall/One Credit

This course focuses on in-depth study of British literature from the early-modern to contemporary periods. Emphasis will be placed on critical thought, close reading, and analytical writing.

American Literature **
One Semester/One Credit/Offered Fall & Spring
Juniors- required

This course aims to develop and expand the student’s ability to read with increased critical awareness the various works of American Literature, presented within the literary genres of prose, poetry and drama. Over the course of a semester, there will be special emphasis placed on literary analysis, reading and writing skills, and vocabulary development. The students will have numerous reading and writing assignments with special emphasis placed on literary criticism, expository and analytical writing. Grammar, usage, and vocabulary, in addition to formal classroom presentation, will be discussed during the analysis of literature and during discussion of written work. Students will study a wide variety of literature central to the development of America; from pre-Colonial to post World War Two. Specific genres include: Native American Literature, Drama, Transcendentalism, and Southern Gothic.

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1 ** Expository Reading and Writing and American Literature are required junior year to take Comp I & Comp II as a senior.
This is a prerequisite course for juniors and seniors who intend on enrolling in online courses while attending Easton Valley.

**Literary Films**  
11th & 12th Grade  
One Semester-Fall/One Credit

More than "just a class where you watch movies", this course is designed for those students who are serious about improving their communication skills through the medium of film and understand how to approach films as texts to be studied and appreciated. This course is designed to introduce the student to the elements of cinematic art through analysis of key films. Students will critically view film as a literary work with respect to authorship, setting, character, plot, theme, symbolism, and cultural significance. Technical aspects of filmmaking (including directing, producing, editing, etc) will be studied in-depth. Students will participate in listening and speaking activities including class discussions, informal responses, formal presentations and projects. A substantial written component of the course consists of informal personal responses, film reviews, and formal analytical essays.

**Practical Communications**  
Grade 12  
One Semester/One Credit  
Offered at Easton Valley

This class is designed for those who plan to go directly to work or to technical school of some sort after high school. Emphasis is on the full range of communication and thinking skills that will be valuable in the workplace and in everyday life. Students are encouraged to assess their skills, to set goals, and make progress toward mastering skills that will make them better employees. Reading, writing, listening, speaking, problem-solving, and analysis are important class activities. Every effort is made to match activities to workplace or life skills.

**Publications I**  
Two Semesters/Two Credits

This elective course will emphasize the publishing of the bi-monthly student newspaper and the yearbook. Activities include multiple forms of writing, photography, advertising, sales, and all around creativity. Students must have a strong sense of responsibility, an ability to write, and a desire to do so to be successful in class.

**Publications II**  
Two Semesters/Two Credits

Students taking this course must have successfully completed Publications I. In this class they will be expected to build on journalistic and graphic layout and design skills developed during the previous course.

**Drama**  
One Semester/One Credit

Drama students will study the elements of theater, its literature, and what goes into a production. Students will explore the craft of acting in a safe and supportive environment, as well as character and script analysis. Students will assist in designing costumes, set pieces, and props for the current theater production (Fall Semester Musical/Spring Semester Play). This will be a performance based class, including but not limited to: Monologue, Duologue, Small ensemble, Directing, and Tag Team Directing. Students will also participate in critiques, script analysis, and a live theater analysis.

**FAMILY AND CONSUMER SCIENCES - at Maquoketa**
FOREIGN LANGUAGE

A primary purpose of foreign language study at Easton Valley High School is to broaden the student's understanding of another culture. Language is the essence of a culture: language reflects culture. The foreign language department will attempt to provide the student with the ability to communicate effectively in another language. There is a great demand in American business and government for people with foreign language skills.

SPANISH – at Easton Valley

**Spanish I**
*Two Semesters/Two Credits*

Spanish I begins the process of acquiring the language. Students will participate in story listening and asking to acquire target structures in context as well as read, write, and speak using Spanish. Students can expect to hear the teacher using Spanish 70-90% of the time; so listening will be critical for success. By the end of the year, students will be able to greet others in different ways, name likes and dislikes, name different activities, ask and answer simple questions, complete a novel study, and reach novice-mid (at a minimum) language proficiency. This class will address the 5 C’s of the ACTFL National Standards: Communication, Connections, Culture, Comparisons, and Community.

**Spanish II**
*Two Semesters/Two Credits*  
*C- or higher in Spanish I recommended for success*

Any student who has successfully completed Spanish I may take Spanish II. As students move along on their proficiency journey, everything from Spanish I is critical: Students will use Spanish to read, write, and communicate with each other. More focus on class conversation will take place with a greater development of the past tense. There will be a novel study focusing on the present tense and a second novel study focusing on the past tense. This class will address the 5 C’s of the ACTFL National Standards: Communication, Connections, Culture, Comparisons, and community. Students should leave Spanish II at a minimum of the Novice-High level of proficiency scale for language acquisition by years end.

**Spanish III**
*Two Semesters/Two Credits*  
*C- or higher in Spanish II recommended for success*

Any student who has successfully completed Spanish II and I may take Spanish III. As students acquire and comprehend more language, more emphasis on accuracy and complexity of language is placed on skills in reading, writing, and speaking. Students will continue with cultural novel studies including El torero, Frida Kahlo, and La Llorona. This class will address the 5 C’s of the ACTFL National Standards: Communication, Connections, Culture, Comparisons, and community. Students should leave Spanish II at a minimum of the Intermediate-Low level of proficiency scale for language acquisition by years end.

**Spanish IV**
*Two Semesters/Two Credits*  
*C- or higher in Spanish III recommended for success*

Any student who has successfully completed Spanish III, II and I may take Spanish IV. This course is primarily conducted in Spanish; this class provides intensive practice in speaking, reading and writing in the language. Emphasis is placed on reinforcement and enhancement of the skills previously learned in addition to new target structures and grammatical structures introduced through a variety of readings, videos, and other activities. The main goals of the course are oral and reading proficiency sufficient for students to function in a Spanish-language environment. Grammar turns from new learning to perfecting the ideas that have already been presented.
HEALTH
One Semester/One Credit

The Health course, designed for grades 9 and 10, provides a very comprehensive review of all aspects of Health and Wellness. The units covered include: Your Personal Health and Fitness; Getting Along with Yourself and Others; Nutrition; Drugs; The Body Systems; Family and Social Health; Consumer Health; Safety and Emergency Care; Treating, Controlling, and Preventing Diseases; and The Health of the Environment and Community. Whether you are simply wanting to be a good health advocate for yourself and your family or you are considering a health related occupation, this is an important and informative class that will give you an excellent overview of many areas of health.

INDUSTRIAL TECHNOLOGY -at Maquoketa

MATHEMATICS

Six credits of mathematics credit are required for graduation. It is important for the student to pick the plan that best fits their ability and career goals. Students are encouraged to consult with their mathematics teachers and the school counselor in making their math course selection.

Pre-Algebra: (SCED:02051)
Grades: 8 and 9
Prerequisites for 9th grade students:
- "Not Yet Proficient" designation on the ISASP and "In Need of Support" designation on the ACT Aspire taken in 8th grade.
- Recommendation of junior high mathematics instructor.
(This course is not considered a core course for RAI)

Prerequisites for 8th grade students:
- Recommended 85th percentile mathematics composite or above on the ISASP and ACT Aspire taken in 7th grade.
- Recommendation of junior high mathematics instructor
- Ability to acquire and apply new concepts in 7th grade math
- Work ethic in 7th grade math
(8th grade students are expected to maintain a minimum B average in Pre-Algebra. Any student failing to do so through the first quarter, after parent and administrative consultation, will be rescheduled into the 8th grade math course.)

Two Semesters/Two Credits

This course increase students' foundational mathematics skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities. A scientific calculator is required.

Algebra I:
Grades: 8 and 9
Prerequisites for 9th grade students:
- EXCELLENT work and study habits.
- Strong arithmetic and pre-algebra skills
- “Proficient” or “Advanced” designation on ISASP and “Ready” or “Exceeding” on the ACT Aspire taken in 8th grade

Prerequisites for 8th grade students:
- “Advanced” designation on the ISASP and “Exceeding” designation on the ACT Aspire taken in 7th grade
- Recommendation of junior high mathematics instructor
- Ability to acquire and apply new concepts in 7th grade math
- Work ethic in 7th grade math

(8th grade students are expected to maintain a minimum B average in Algebra 1. Any student failing to do so through the first quarter, after parent and administrative consultation, will be rescheduled into the 8th grade Pre-Algebra course.)

(9th grade students are expected to maintain a minimum C average in Algebra 1. Any student failing to do so through the first quarter, after parent and administrative consultation, will be rescheduled into the Pre-Algebra math course.)

Two Semesters/Two Credits

This course lays the groundwork for higher mathematics. We will cover topics that include: algebraic equations, inequalities, linear functions, graphs, systems of equations, exponents, polynomials, and quadratics. **A scientific calculator is required.**

**Geometry:**
Prerequisites: EXCELLENT work and study habits.
- Strong arithmetic and algebra skills
- Successful completion of Algebra I

Two Semesters/Two Credits

Students will take Geometry after successfully completing Algebra I. In this course, we will cover topics that include:
- using the tools of geometry, reasoning and proof, parallel and perpendicular lines, transformations, triangles, polygons, quadrilaterals, congruency/similarity, and trigonometry. **A scientific calculator is required, along with the TOOLS of geometry which include: compass, protractor, & straightedge.**

**Algebra II:**
Prerequisites: EXCELLENT work and study habits.
- Strong arithmetic, pre-algebra, algebra and geometry skills
- Algebra I and Geometry

Two Semesters/Two Credits

This is an advanced mathematics course for the student who has successfully completed Algebra I and Geometry. We will cover extended topics that include: equations, inequalities, functions, graphs, systems, quadratics, polynomials, radicals, and exponents. **A scientific calculator is required.**

**Pre-Calculus**
Prerequisites: EXCELLENT work and study habits
- High math skills
- Algebra I, Geometry, Algebra II

Two Semesters/Two Credits

This is an advanced mathematics course for students who have successfully completed Algebra, Geometry, and Algebra II. Topics that we will cover include logarithms, rational functions, sequences/series, matrices, and trigonometry. **A scientific calculator is required.**

**MUSIC DEPARTMENT**

It is the goal of the Easton Valley Music Department to provide students with meaningful opportunities to explore music through its instrumental and vocal programs. The music program is a strong program, which encourages individual achievement as well as group involvement. The curriculum is co-curricular in nature because many required concerts and large group events occur outside the regular school day, even on weekends. These events are graded and are considered an extension of the regular school day class. The department also offers various extracurricular opportunities so that the student may get an even wider exposure to musical characteristics.
**Concert Choir**
Two Semesters/One Credit
Grades: 9-12

The Easton Valley Concert Choir is an all-inclusive group, open to any student grades 9-12. The focus on fundamentals such as tone production, breath support, and proper singing position as well as the musical fundamentals of melody, harmony, rhythm, and balance constitute the majority of the curriculum. Various types of literature are practiced and performed throughout the year to reinforce the aforementioned concepts and skills. During the school year choral students participate in various activities ranging from clinics, concerts, contests, festivals, musicals, and special functions.

**Prerequisite:**
Prior choral experience in grades 7-8 (ideally) or director’s permission.
Good work ethic and team mindset.
All skill levels are welcome.

**Concert Band**
Two Semesters/One Credit
Grades: 7-12

The Easton Valley Concert Band is an encompassing group open to students grades 7-12. During the first quarter of the year the focus is on preparing and performing our marching band field show for performances at home football games as well as various marching competitions. The rest of the school year the focus shifts to developing a high quality concert band sound as well as developing advanced skills for students preparing for solo and small ensemble festival. Pep band performs at home games after Christmas break. The ensemble focuses on music in a wide variety of styles from classical, pop, Broadway, and other band oriented genres, while note reading and individual musicianship is also developed. During the school year, instrumental students participate in various activities ranging from clinics, concerts, contests, festivals, musicals, and special functions.

**PREREQUISITE:**
Prior band experience on one concert band instrument throughout grades 5-6 (ideally) or director’s permission.
Good work ethic and team mindset.
All skill levels are welcome.

**SCIENCE DEPARTMENT**

General philosophy and goals:

The goal of science education in Easton Valley is to help students function in everyday life as informed consumers and citizens. As our world becomes more technical, it is increasingly necessary to be scientifically literate. Other goals are to create an appreciation for the values of science and interest in applying the concepts that have been learned and to develop skills in the use of tools, instruments and equipment.

Students should be able to obtain basic knowledge that will help them understand how science affects their daily lives, as it does in the areas of health, environment, conservation, weather, earth science, agriculture, business and industry. Scientific training should help students reason and think logically. Students who desire additional specific courses to help them prepare for further educational and life experiences should be offered those courses.

**Science Requirements:**

Scientific training should help students reason and think logically. Students are required to have six credits in the science area. General Science and Biology are required. Students must pass one semester of general science before taking any other science classes. Example course paths are shown below:
Earth Science (required)
Grade 9-10
Two Semesters/Two Credits

Earth Science is designed to increase a student's scientific knowledge and ability to apply science to his/her everyday life. Included are geology, astronomy, meteorology, oceanography, and conservation.

Biology (required)
Grades 10-11
Two Semesters/Two Credits
Prerequisite: One semester of Earth Science and one semester of Algebra

Biology is the study of life and living things. This class focuses on biochemistry, cytology, genetics, biotechnology, and natural selection. It will expose the student to empirical laboratory work.

Physical Science
Grades 11-12
Two Semesters/Two Credits
Prerequisite: Algebra, Biology

Note: Students enrolling in this course are heading into a vocational career or the workforce post-high school. Students planning to enroll in college (two-year or four-year) are encouraged to take Chemistry and/or Physics.

Physical Science is a two semester course, which draws upon the principles of chemistry and physics. Common topics covered include structure and properties of matter, chemical interactions, forces and interactions, energy, and waves.

Anatomy
Grades 11 and 12
Two Semesters/Two Credits
Prerequisite: Biology

This anatomy course focuses on identifying the structures and functions of the many cell types, tissue types, organs, and organ systems in human beings, and by extension, all mammals. This course includes laboratory investigations as well as independent student research and presentation covering all systems of the body.

Chemistry
Grades 11 and 12
Two Semesters/Two Credits
Prerequisite: Algebra & excellent work and study habits

Note: Students planning to enroll in college (two-year or four-year) are encouraged to take Chemistry and/or Physics.

Chemistry is the study of elements, compounds, chemical reactions, and periodic law. Calculations in chemistry require algebra.
Physics
Grades 11 and 12
Two Semesters/Two Credits
Prerequisite:  Algebra & Geometry & excellent work and study habits

Note: Students planning to enroll in college (two-year or four-year) are encouraged to take Chemistry and/or Physics.

Physics is the study of time, space, matter, and energy. Students will explore motion, sound, light, electricity, magnetism, and relativity. Calculations in physics require algebra.

SOCIAL SCIENCES

To meet graduation requirements, completion of eight credits of Social Sciences is required. Each student must successfully complete the following:

1 year of World History
1 year of American History
1 year of American Government

World History:
9th grade required
Two Semesters/Two Credits

To promote an emphasis on both historical content and historical thinking skills to prepare students with the skills necessary to apply historical thinking to any historical context. These skills are effective for global citizenship. World History traces the development of civilization from the Neolithic Revolution to the Age of Industrialization. This course includes the study of past civilizations and their influences on modern societies. Students focus on reading for comprehension, evaluating sources of information, and writing analytical essays.

American History:
10th Grade Required
Two Semester/Two Credits

This course will primarily focus on the Age of Industrialism (1890’s) through present-day. U.S. History promotes historical content and historical thinking skills to prepare students with a strong foundation in significant historical content and with the skills necessary to apply historical context. These skills are effective for democratic citizenship.

American Government:
11th Grade Required
Two Semesters/Two Credits

Students will be able to learn how to participate actively in our American system. Relevance to life is imperative for students to connect with the democratic process as citizens of the United States, students will be able to apply knowledge of the US Constitution and demonstrate their understanding of how the American system of government functions. Civics and government promote knowledge of the historical foundations and principles of American democracy and emphasize productive civic engagement. Students will focus on the understanding of the unique processes of local, state, and national institutions.
SOCIAL STUDIES ELECTIVES

Psychology/Sociology
Grades 11-12
Two Semesters/Two Credits
Prerequisite: Biology

Semester One: Students will understand the basic facts of psychological study, examine a variety of theories, mental health problems, and develop an interest in the discipline of psychology. The goal is to encourage students to see, think, and act, in ways that reflect the paradigm of behavioral scientists. Students will be expected to actively participate in assignments, discussions and activities to explore all components of psychological research.

Semester Two: The goal of this course is to encourage students to see, think, and act in ways that reflect the paradigm of major theorists. Students will be introduced to the study of human behavior in society and define their beliefs. An overview of topics will be discussed, such as: social institutions and norms, socialization and social change, and the relationships among individuals and groups in a society.

Current Events:
Grades 11-12
One Semester/One Credit

Current Events is a student centered course that revolves around project-based materials. Students will study the political, economic, and social issues facing the United States. This course uses newspapers, online media, cartoons, and newscasts to support class discussion. Additionally students participate in group projects, presentations and work with primary source materials and opinion pieces in order to better understand the world around them.

Political Science:
Grades 11-12
One Semester/One Credit

Political Science is the study of politics and power from domestic, international, and comparative perspectives. It entails understanding political ideas, ideologies, institutions, policies, processes, and behavior, as well as groups, classes, government, diplomacy, law, strategy, and war.

COMPUTER SCIENCE:

IT Essentials
One Semester/One Credit
Grades 9-12
Offered at Easton Valley
No Prerequisite
You will get a Certificate when completed

The IT Essentials (ITE) course introduces students to the fundamentals of computer hardware and software, mobile devices, security and networking concepts, and the responsibilities of an IT professional. The latest release includes mobile devices, Linux, and client-side virtualization, as well as expanded information about Microsoft Windows operating systems, security, networking, and troubleshooting.
CCNA 1 (Academy)
One Semester/ One Credit
Grades 10-12
Offered at Easton Valley
Must take IT Essentials to get into this class
You will get a Certificate when completed

Begin preparing for a networking career with this introduction to how networks operate. This first course in the 3-course CCNA series introduces architectures, models, protocols, and networking elements – functions needed to support the operations and priorities of Fortune 500 companies to small innovative retailers. You’ll even get the chance to build simple local area networks (LANs) yourself. You’ll have a working knowledge of IP addressing schemes, foundational network security, and be able to perform basic configurations for routers and switches.

CCNA 2 (Academy)
One Semester/ One Credit
Grades 10-12
Offered at Easton Valley
Have to complete CCNA 1 to take this class
You will get a Certificate when completed

Delve further into the world of networking with the second CCNA course in a 3-course series. This course focuses on switching technologies and router operations that support small-to-medium business networks, including wireless local area networks (WLAN) and security concepts. You’ll perform basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN. Recommended preparation: CCNA: Introduction to Networks or having equivalent knowledge.

CCNA 3 (Academy)
One Semester/ One Credit
Grades 10-12
Offered at Easton Valley
Have to complete CCNA 2 to take this class
You will get a Certificate when completed
And a Voucher to get your CCNA Certification

Large enterprises depend heavily on the smooth operation of their network infrastructures. This is why networking professionals are vital to every organization and those with networking skills can land a great job and set their sights on a rewarding career! This third course in the 3-course CCNA series describes the architectures and considerations related to designing, securing, operating, and troubleshooting enterprise networks. It covers wide area network (WAN) technologies and quality of service (QoS) mechanisms used for secure remote access along with the introduction of software-defined networking, virtualization, and automation concepts that support the digitalization of networks. Recommended preparation: CCNA: Switching, Routing, and Wireless Essentials or possessing equivalent knowledge.
**Intro to Gaming**
Two Semesters/ Two Credits
No Prerequisite

Students will learn the computer language of C#. It is one of the most popular programming languages and can be used for a variety of things, including mobile applications, game development, and enterprise software. After they learn this coding language, they will take that and start building games in the Unity Engine.

**Advance Game Design (Academy)**
Grades 9-12
Two Semesters/ Two Credits
Prerequisite Intro to gaming

Students will learn the basics of game design tactics, logic, game theory, and methodologies for making a game fun and engaging while building and editing their own games. They will be learning C# (coding for the games) and will be using Unity Gaming Engine to create their games.

**Video Editing**
Grades 9-12
One Semester/ One Credit
No prerequisite

This course will teach students the basics of photography, camera functions, video editing, media analysis, and filmmaking. Students will work in groups to write, shoot, and edit their own projects. Sample student projects during the semester include PSA's, commercials, short films, music videos, green screen and stop motion. Students will work with the following software on Mac computers: Final Cut Pro X, Adobe Photoshop.

**Website Design (Alternate Years)**
Grades 9-10
One Semester/One Credit
No Prerequisite

This course will focus on the design, layout, and programming of web sites and graphic users. Students will be using Adobe Suite for design, website software for layout and site planning basic HTML, and Javascript to learn about programming. Students will be expected to maintain a website portfolio.

**Cyber Security Essentials (Academy)**
Grades 10-12
One Semester/One Credit
Must have Completed CCNA 1, 2, 3
You will get a Certificate when completed

The Cybersecurity Essentials course develops a foundational understanding of cybersecurity and how it relates to information and network security. The 30-hour course introduces students to characteristics of cybercrime, security principles, technologies, and procedures to defend networks. Through interactive, multimedia content, lab activities, and multi-industry case studies, students build technical and professional skills to pursue careers in cybersecurity.

- Learn procedures to implement data confidentiality, integrity, availability and security controls on networks, servers and applications.
- Understand security principles and how to develop security policies that comply with cybersecurity laws.
- Apply skills through practice, using labs and Cisco Packet Tracer activities.
● Get immediate feedback on your work through built-in quizzes and tests.
● Connect with the global Cisco Networking Academy community.

**Solidworks**
Grades 9-12
No Prerequisite
Two semesters/ Two Credits

SolidWorks is a solid modeling computer-aided design (CAD) and computer-aided engineering (CAE) computer program. Students will learn how to create things in the cad program and be able to print them on the 3d Printer. They will also have the opportunity to get a certificate for Solidworks.

**OTHERS:**

**PHYSICAL EDUCATION**

*Iowa State Code on Physical Education Requirements and Exemptions*

**IA Code 12.5: High school program, grades 9-12**
The following shall be offered and taught as the minimum program:
Physical Education, one-half unit*.

Physical Education (one-half unit).
All physically able students are required to participate in the PE program for a minimum of one-eighth unit during each year they are enrolled unless otherwise specified in this paragraph. A twelfth-grade student may be excused from this requirement by the student’s principal under one of the following circumstances:
1) The student is absent from the school premises during the school day to fulfill a requirement of enrollment in cooperative, work-study, or other school-authorized programs.
2) The student is enrolled in academic courses not otherwise available.
3) The student is participating in an organized and supervised athletic program which requires comparable participation per week as one-eighth unit of PE.

11-12 grade (only) students PE exemptions:
1) A student may be excused in order to enroll in academic courses not otherwise available to the student (per school board approval). A student may be excused for up to one semester if the student’s parent or guardian requests in writing that the student be excused from the PE requirement. During this time the student does need to be in an organized and supervised athletic program which requires comparable participation per week as one-eighth unit of PE.

*A unit is a course or equivalent related components or partial units taught throughout the academic year.

The Easton Valley Physical Education classes provide a variety of activities. This program of activities is set up to give the student an opportunity to develop physical fitness, individual skills in games, understanding of the team concept, and carry over activities for after graduation.

Team handball, pickleball, volleyball, lacrosse, basketball, table tennis, touch football, soccer, weightlifting, whiffleball, softball and C.P.R. (required for seniors) are among the activities that are provided.
**T.A.G. (Talented and Gifted)**
Grades 9-12
1/2 credit per semester
1 credit per semester offered to independent study students

This program is offered to those students who display a high degree of academic ability, creative thinking and commitment to task. Independent study topics determined by the instructor and student provide an opportunity to further develop research strategies. Topics are determined by the instructor. Additional activities beyond the regular school day include Quiz Bowl, Battle of the Books competition, and others. Opportunities for advanced placement and college credit classes are also encouraged for students at this level.

Prerequisite for Independent Study, Advanced Placement, and college credit classes: Referral and staffing procedure. Credit for advanced placement and college credit classes determined by each individual class.

**S.E.S. (Students for Educational Services) JUNIORS AND SENIORS ONLY**
1/2 credit per semester

**Special Education**
Grades 7-12
Prerequisite: Referral and staffing procedure
One Semester/One Credit

Special Education classes are for students identified as having special education needs. Entrance into any of these programs is dependent upon a collection of prior interventions, assessment data, supporting information, parental permission, and the recommendation of the professional staffing team.

Special education includes programs for students with a variety of disabilities including intellectual, physical, behavioral, and learning disabilities. The objective of special education is to help students develop the behaviors and skills necessary to enable him/her to function in the general education curriculum when the general education curriculum has been adjusted to a level of educational achievement to fit the student’s needs. To help meet the identified needs of enrolled students, students will receive specially designed instruction in the areas of math, reading or writing for the purpose of re-teaching and reinforcement of key concepts.

In the Study Skills Class, students will work on skills and strategies needed to be successful learners. These may include following directions, note taking, developing outlines, test taking, self-advocacy and will address any other skills needed to successfully participate within the general education curriculum as well as transition into their post-secondary goals for living, learning and working.

**Special Education (Work Experience)**
Grades 10-12
Prerequisite: Referral and staffing procedure; Take a School to Work Class or another approved Career Education Class
1 credit per semester (Elective)

This course is designed for students identified as having special education needs. The purpose of this course is to provide students with hands-on work experience in the community or surrounding area. Students will fill out an application, interview, explore a paid or non-paid job, learn new job skills, develop a work history and demonstrate appropriate workplace behavior. A Work Experience Coordinator will monitor students in the experience, as well as communicate with all parties involved.
Easton Valley Alternative High School Program

EVALT

Not every student will meet with success in the traditional high school classroom. Placement in an alternative high school program can help address many individual needs. A student may be recommended to EVALT by the guidance counselor, principal, or at the request of the student or parent.

Students may request placement in the alternative program for a variety of reasons. Examples include, but are not limited to:

- Poor grades that will endanger graduation
- Poor attendance
- Family issues
- Medical, social, or emotional issues
- Discipline referrals
- Poor relationships with peers or adults
- Homelessness or housing insecurity
- Intervention by juvenile authorities or social services
- Pregnancy or childcare
- Employment schedule
- Dropouts returning to school.

Driver Education

Text: Let's Drive Right
Fee required.
Prerequisite: Instruction Permit, 14 years old by June 3

If you live more than one mile from school and wish to get a school permit and will be 14 by June 3rd you must take Driver Education to get a school permit.

Objective: To develop a safe driving attitude, habits, skills, and knowledge.
Course includes:
1. Driving in the highway transportation system.
2. Obeying traffic controls and laws.
3. Learning basic car controls and maneuvers.
4. Motorcycles.
5. Driving in town, open highway, expressways and adverse conditions.
6. Things that might affect your driving conditions.
7. Owning and maintaining a car; buying and insuring a car.
8. There will be tests and outside written work.

Maximum Class Load

Students are allowed to take a maximum of seven academic courses unless otherwise approved by the Principal.

COLLEGE CREDIT PROGRAMS

- College Credit Opportunities at Easton Valley

The Iowa Code Chapter 261E has been issued to ensure all students in Iowa have increased and equal access to courses that have the potential to generate college credit while in high school. This code provides college credit
coursework to high school students by consolidating and standardizing several existing programs. Students cannot be enrolled in more than 24 credit hours of college courses per academic year.

These programs include:

- **Concurrent Enrollment**- are Clinton Community College courses delivered at Maquoketa High School during the regular school day for both high school and college credit.
- **PSEO**- by an act of the legislature, students may enroll for courses at a post-secondary institution. Funds for this enrollment will be provided by the local school district, provided that the student meets admission requirements of the post-secondary institution and the course(s) taken are NOT offered by the local district.
- Courses offered through career academies in Maquoketa: Welding Academy, Information Technology, and Logistics.

Student Eligibility Criteria

- Students must take prerequisites established by Easton Valley High School and Clinton Community College.
- Students must have attained the approval of the Easton Valley School Counselor and the post-secondary institution in order to register for a course at the post-secondary level.
- The student must be "proficient" in reading, math and science as evidenced by the last administration of the Iowa Assessments (41 and above).
- The student must meet proficiency set by Clinton Community College and on ACT Reading and English (18+). Math (22+). If a student is not proficient in one or more of these content areas, the local board may establish an alternative but equivalent qualifying performance measure to meet this expectation. These include but are not limited to additional administrations of the state assessment, assessment provided by the post-secondary institution (an assessment cut score should be provided by the post-secondary institution to determine proficiency, portfolios of student work, student performance rubrics, or end of course assessments. The determination of what is permissible in terms of alternate assessments and equivalent performance lies with the local school district.

**MAQUOKETA COURSE OFFERINGS**

**Business Education**

<table>
<thead>
<tr>
<th>Course</th>
<th>Type</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Business</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>Personal Finance</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>Information Processing &amp; Career Exploration</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>*Word Processing and Presentations</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>*Workplace Readiness</td>
<td>semester</td>
<td>10 11 12</td>
</tr>
<tr>
<td>*Web Page Design</td>
<td>semester</td>
<td>10 11 12</td>
</tr>
<tr>
<td>*Marketing</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Business Law</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Introduction to Accounting</td>
<td>year</td>
<td>11 12</td>
</tr>
<tr>
<td>*Advanced Accounting</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*CCC Word Processing Applications</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Introduction to Computers</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Business Employment Readiness-OJT</td>
<td>year</td>
<td>11 12</td>
</tr>
<tr>
<td>*Business Employment Readiness-Class</td>
<td>year</td>
<td>11 12</td>
</tr>
</tbody>
</table>

**Family & Consumer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Type</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clothing Construction I</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>*Clothing Construction II</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>Course</td>
<td>Duration</td>
<td>Semesters</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>----------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Housing &amp; Home Furnishings</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>Child Development</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>Culinary Arts</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>*Creativity With Foods</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
</tbody>
</table>

**Health**

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Education</td>
<td>semester</td>
<td>9 10</td>
</tr>
<tr>
<td>Health Science I</td>
<td>year</td>
<td>11 12</td>
</tr>
<tr>
<td>CNA</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Health Occupation Employment Readiness-OJT</td>
<td>semester</td>
<td>12</td>
</tr>
<tr>
<td>*Health Occupation Employment Readiness-Class</td>
<td>semester</td>
<td>12</td>
</tr>
</tbody>
</table>

**Industrial Technology**

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Wood Technology</td>
<td>semester</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>*General Wood Technology</td>
<td>semester</td>
<td>10 11 12</td>
</tr>
<tr>
<td>*Carpentry</td>
<td>semester</td>
<td>10 11 12</td>
</tr>
<tr>
<td>Advanced Woodworking/Cabinetmaking</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Building &amp; Construction</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>semester</td>
<td>10 11 12</td>
</tr>
<tr>
<td>Welding Technology</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Advanced Welding Technology</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Industrial Technology Employment Readiness-OJT</td>
<td>year</td>
<td>12</td>
</tr>
<tr>
<td>*Industrial Technology Employment Readiness-Class</td>
<td>year</td>
<td>12</td>
</tr>
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</table>

**Welding Academy**

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Safety</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Shielded Metal Arc</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Gas Metal Arc Welding-Basic</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Blue Print Reading</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Gas Metal Arc Welding-Advanced</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Oxy-Acetylene Welding-Modules</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Flux Core Welding</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Metallurgy</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Coop Field Experience</td>
<td>semester</td>
<td>11 12</td>
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**Information Technology Academy**

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of IT</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Windows Workstation OS</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Networking for Home &amp; Small Business</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Intro to Programming-Applied Logic</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Unix/Linux</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Networking for Medium Business/ISP</td>
<td>semester</td>
<td>11 12</td>
</tr>
</tbody>
</table>

**Logistics Academy**

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Semesters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Business Logistics</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Principles of Workforce Competitive Advantage</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Intro to Inventory Management</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>Regulation and Compliance</td>
<td>semester</td>
<td>11 12</td>
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### Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Type</th>
<th>Grade Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra IA</td>
<td>year</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>* Algebra IB</td>
<td>year</td>
<td>9 10 11 12</td>
</tr>
<tr>
<td>*Advanced Geometry</td>
<td>year</td>
<td>9 10</td>
</tr>
<tr>
<td>*Advanced Algebra II</td>
<td>year</td>
<td>10 11 12</td>
</tr>
<tr>
<td>Life Skills Mathematics</td>
<td>year</td>
<td>11 12</td>
</tr>
<tr>
<td>*College Algebra</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Pre-Calculus</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Technical Math I</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Technical Math II</td>
<td>semester</td>
<td>11 12</td>
</tr>
<tr>
<td>*Statistics</td>
<td>semester</td>
<td>12</td>
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### Project Lead the Way-Engineering

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<tr>
<td>*Principles of Engineering</td>
<td>year</td>
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<tr>
<td>*Civil Engineering &amp; Architecture</td>
<td>year</td>
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<td>*Biotechnical Engineering</td>
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<td>*Digital Electronics</td>
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<td>*Engineering Design &amp; Development</td>
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### Social Sciences

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<td>Global Cultures</td>
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### BUSINESS EDUCATION

**INTRODUCTION TO BUSINESS**

Grades 9-12  
1 Semester - .5 Unit

Introduction to Business course surveys an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business course may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.
PERSONAL FINANCE

1 Semester - .5 Unit

Cannot have had Accounting
Grades 9-12

Personal Finance course helps students to develop knowledge and skills related to the principles and procedures involved in recording personal financial transactions as well as transactions typically undertaken by small businesses. Partial emphasis may be placed on personal banking, budgeting, and income tax calculations; additional emphasis is usually placed on cashier and clerk procedures, inventory control for small businesses, database management, merchandising, and payroll.

INFORMATION PROCESSING & CAREER EXPLORATION

1 Semester - .5 Unit

Grades 9-12

This class will familiarize students with the high school computer system. Student will focus on developing written communication skills using common forms of business communications (letters, memos, etc). The class will also provide students the opportunity to complete a career search and begin developing a career portfolio, which includes letter of application, resume, reference list, and other job hunting concepts. Students will explore other Microsoft applications such as Excel, Power Point & Publisher.

WORD PROCESSING AND PRESENTATIONS

1 Semester - .5 Unit

Prerequisite: Information Processing
grades 9-12

This course is designed as a hands-on computer learning experience. Word processing (letters, reports, tables) is taught with Microsoft Word, while presentations are taught with Microsoft PowerPoint. These programs are two of the most popular on the market today and are used extensively in business and for personal use.

WORKPLACE READINESS

1 Semester - .5 Unit

grades 10-12

Prerequisite: Information Processing

This class will review the basics of job searching and will reinforce the skills and tools necessary to get a job. This course will also cover the concept of keeping a job and the proper way to leave a job in good standing. This course will include work-based learning, skills for success, job satisfactions, and managing your income.

WEB PAGE DESIGN

1 Semester - .5 Unit

grades 10-12

Prerequisite: Information Processing

Web pages will be created and managed using Mx Dreamweaver. Dreamweaver makes it easy to create and edit Web pages or documents. Time will be spent using Dreamweaver software to create a Web page that will ensure that the impression sought is a lasting and favorable one. Many new techniques and ideas will be used by the students to create many different Web pages as well as their own Web page.

MARKETING

1 Semester - .5 Unit

grades 11-12

Prerequisite: Introduction to Business

The course is designed to learn about the economic systems of the world, workplace skills, learn basics of selling and merchandise displays. Students will become more conscious of the way business is conducted in the United States.
BUSINESS LAW
grades 11-12
Prerequisite: Introduction to Business
OFFERED ON ODD YEARS (EXAMPLE: 2010-2011, 2012-2013)

Law is a moving force within our society and reflects the changes that take place in our ideals, goals, and values. Business law has potential value since it affects each of us on a daily basis. Material is designed for contracts; crimes; torts; organization of local, state, and federal court systems; recognition of legal problems; utilization of professional legal counsel; agents; warranties; commercial papers; credit; minority rights; and various legal documents. Extensive use is made of case-law study and discussions that are interesting, dramatic, practical, and relevant.

BUSINESS MANAGEMENT
grades 11-12
Prerequisite: Introduction to Business
OFFERED ON EVEN YEARS (EXAMPLE: 2011-2012, 2013-2014)

Business Management course surveys an array of topics and concepts related to the field of business. This course introduces business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. Business Management provides a brief overview of the American economic system and corporate organization. Business Management may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.

INTRODUCTION TO ACCOUNTING
grades 11-12
Prerequisite: COMPASS/ACT Placement Score
CCC – 1 Year – 3 Credits

Emphasis is placed on learning the accounting cycle, structured systems, and records usually incorporated by small businesses and professional offices. A practice simulation provides an opportunity for students to apply those concepts learned throughout the course and also indicates to the instructor that competencies have been met.

ADVANCED ACCOUNTING
grades 11-12
Prerequisite: One full year of Accounting

Advanced Accounting is a continuation of the first full year of accounting. Managerial and financial accounting is emphasized via workbooks and practice sets. Subject matter enhances post-secondary study of accounting.

CCC WORD PROCESSING APPLICATIONS
grades 11-12
Prerequisite: COMPASS/ACT Placement Score & Word Processing and Presentation
CCC – 1 Sem. – 3 Credits

This course is designed to give the student an in-depth knowledge of an industry-standard word processing software. Topics to be covered may include the basics of producing documents by creating, formatting, editing, saving and printing along with advanced commands used for mail merge, tables, macros, columns and graphics.

INTRODUCTION TO COMPUTERS
grades 11-12
Prerequisite: COMPASS/ACT Placement Score
CCC – 1 Year – 3 Credits

An introduction to computers including database, word processing and spreadsheet applications. This is a beginning course designed primarily to develop computer skills and will include student computer projects.
BUSINESS EMPLOYMENT READINESS-OJT grade 12 1 Year - 1 Unit Each Sem.
BUSINESS EMPLOYMENT READINESS-CLASS grade 12 1 Year - .5 Unit Each Sem.

Prerequisite: Information Processing/Career Exploration, Workplace Readiness

Procedures: The student must make application for Vocational Employment Readiness and Vocational OJT through the guidance area.

This course is designed to meet the following components:

- **Employment Readiness:** Employability issues, vocational issues and in-class seminars on vocational issues.
- **On-The-Job Training:** Participation in an approved paid, work-based learning experience coupled with journalizing, monitoring visits, and seminars.
- **Service-Learning:** Participation in the 5th and 8th grade Career Awareness Fair.

After successful completion of the course, the student receives .5 Unit for the classroom portion of the program and 1 Unit for work experience each semester—total of three (3) high school elective Units for the year.

**FAMILY AND CONSUMER SCIENCE**

**CLOTHING CONSTRUCTION I**

grades 9-12 1 Semester - .5 Unit

Clothing Construction is a class for students interested in learning to sew. The class is individualized with each student working on their own sewing projects. Through clothing construction projects, students will learn how to: operate a sewing machine and serger, read and follow a guide sheet, sew and finish seams, sew a hem and casing, and sew on a variety of fabrics. Other skills learned will depend on the type and difficulty of the project selected by the student and instructor. The student will be expected to bring their own sewing supplies and pay for the cost of materials that are required for each project.

**CLOTHING CONSTRUCTION II**

grades 9-12 1 Semester - .5 Unit

Prerequisite: Clothing Construction I

Clothing Construction II course provides students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics typically include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, and business management. This course may also offer specialized knowledge in a particular type of garment.

**HOUSING & HOME FURNISHINGS**

grades 9-12 1 Semester - .5 Unit

Housing & Home Furnishings course provides students with basic knowledge regarding furnishing and decorating home environments. While exploring design principles, personal needs and style, and decision-making, students may also explore the following topics: color, texture, furniture styles and arrangement, lighting, window treatments, floor and wall coverings, and home improvement/modification. Housing & Home Furnishings course may also cover architectural style and design and take a larger look at housing problems or current housing issues.

**CHILD DEVELOPMENT**

grades 9-12 1 Semester - .5 Unit

Child Development course provides students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age. In addition, this course helps students discover how
parents should respond to the various stages of childhood. Course content typically includes topics such as prenatal and birth processes; responsibilities and difficulties of parenthood; fundamentals of children’s emotional and physical development; and the appropriate care of infants, toddlers, and young children.

CULINARY ARTS
grades 9-12
1 Semester - .5 Unit

Culinary Arts course provides students with an understanding of food’s role in society, instruction in how to plan and prepare meals, experience in the proper use of equipment and utensils, and background on the nutritional needs and requirements for healthy living. Some classes place a heavier emphasis on the nutritional components of a balanced diet, while others concentrate on specific types of food preparation. Although these courses may present career opportunities in the food service industry, their emphasis is not career-related.

CREATIVITY WITH FOODS
grades 9-12
Prerequisite: Culinary Arts
1 Semester - .5 Unit

Creativity with Foods is an advanced foods class that is designed to let each student prepare foods that require more creativity and skill. Knowledge of basic food science principles will be required in order to understand the topics covered. This class will include the following units: herbs and spices, soups and sauces, garnishes and appetizers, pastry products, cakes and frostings, cake decorating, and foreign cuisine.

HEALTH EDUCATION
grades 9-10
1 Semester - .5 Unit

Topics covered within Health Education course may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention) and consumer health issues. This course also includes HIV/AIDS education, mental disorders, human sexuality, relationships and personal development.

HEALTH SCIENCE I
grades 11-12
1 Year - .5 Each Sem.

The course explores health related careers and has practical unpaid work experience. Experiences will include classroom instruction on geriatric care, diabetes, strokes, heart diseases, anatomy and physiology, other disease processes, CPR and basic first aid. Students may also be scheduled at one or more of the following facilities: Crestridge, Inc., Maquoketa Care Center and various departments at Jackson County Regional Health Center. Other experiences may include dentistry, physical therapy, veterinary, and home health. All Health Science students become members of Health Occupations Students of America. This nationally recognized club would strengthen leadership and clinical skills.

Course Fees
1. Uniform: White scrub pants, blue scrub top and white canvas shoes. (Approximately $30.00)
2. H.O.S.A. membership - $22.00
3. Certified Nurse Assistant exam (if eligible): Written: $45.00 & Clinical: $75.00
4. DCI and abuse background checks: $7.00
5. Transportation to and from clinical areas

CNA (Certified Nursing Assistant) - 1 Credit
grades 11-12
One Semester Course
No Prerequisite

This is a one-semester program that provides students the opportunity to obtain their Certified Nursing Assistant certification in the state of Iowa. The class is composed of lecture, hands-on skills and clinical rotations at local facilities. Clinical hours are required and may be done during Staff Development days. Students will be required to provide a copy of their up-to-date immunization records, proof of a completed two-step TB test and completed a background check prior
to beginning the course. This course does require students to travel to different clinical sites. The CNA program is monitored and audited by the Department of Inspections and Appeals, which requires students to maintain 90% attendance with no exceptions. Any class missed by the student MUST be made up outside of class time in the classroom, skills lab or at the clinical site.

Fees:
1) Uniform. Students are required to wear white scrub pants, blue scrub top and white shoes to the clinical site. This uniform can be used for state testing as well.
2) State certification exams. Written exam=$50.00 Practical exam=$85.00
   a. Both exams are required to become certified. And the cost is subject to change.
3) Transportation to and from clinical sites.
4) Background check.
   a. This is offered at Central office $28.50
   b. This must be completed prior to the first day of class.
5) Immunizations.
   a. A copy of your immunization record that is up to date.
6) Two-step TB test.
   a. You will need to receive this from your doctor and turn in proof of this prior to the first day of class.

CNA Certification is through Eastern Iowa Community College.
*Note- Due to mandates, all students will have background checks completed. If underage, a parent will be required to sign a permission form and also pay the associated fee.

<table>
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<th>Course</th>
<th>Credits</th>
<th>Length</th>
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<td>2 Year</td>
<td>Health Science 1</td>
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<tr>
<td>HEALTH OCCUPATION EMPLOYMENT READINESS-CLASS</td>
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Procedures: The student must make application for Vocational Employment Readiness and Vocational OJT through the guidance area.

This course is designed to meet the following components:
1. Employment Readiness: Employability issues, vocational issues and in-class seminars on vocational issues.
2. On-The-Job Training: Participation in an approved paid, work-based learning experience in the healthcare field coupled with journalizing, monitoring visits, and seminars.

After successful completion of the course, the student receives .5 Unit for the classroom portion of the program and 1 Unit for work experience each semester—total of three (3) high school elective Units for the year.

INDUSTRIAL TECHNOLOGY

INTRO TO TECHNOLOGY - .5 Credit
Grades 9-10-11-12 One Semester Course
No Prerequisites

This course will expose students to the communication, transportation, energy, production, construction, and integrated technology systems and processes that affect their lives. The study of these processes enables students to better understand technological systems and their applications and uses.
INTRO TO WOOD TECHNOLOGY - .5 Credit
Grades 9-10-11-12 One Semester Course
No Prerequisites

This course is for the beginning woodworking technology student. Included will be the basic beginning skills necessary for safe operation of hand tools, power tools, and machines while working with wood. Operations will include cutting, drilling, gluing, sanding, attaching fasteners, and the finishing work necessary to complete individual small projects. The costs of individual projects are the responsibility of the student.

GENERAL WOOD TECHNOLOGY - .5 Credit
Grades 9-10-11-12 One Semester Course
Prerequisite: Introduction to Wood Technology

This course consists of the various elements of woodworking. The objective is to develop in each student a better understanding of the scope and future implications of the woodworking industry. Included in the course will be the basic skills necessary for safe hand and machine tool operation in working with wood and wood products, prepare a bill of materials and price estimate of project before beginning. Experience is gained in cutting, drilling, wood joints, gluing, metal fasteners, sanding and finishing through the completion of individual projects. Individual project costs are the responsibility of the student.

CARPENTRY - .5 Credit
Grades 10-11-12 One Semester Course
Prerequisite: Introduction to Wood Technology

Course instruction will include safety, tools, equipment, materials and processes of residential construction through the use of textbooks, film, field trips, lectures and hands-on experience. Some materials that will be covered are: cement, concrete, lumber, doors, windows and roofing. Some processes are: permits, floor-wall framing, rafter framing, foundation, and shingling. Related instruction will pertain to the study of mathematics related to the carpentry trade used in print reading and estimating materials and costs.

ADVANCED WOODWORKING/CABINETMAKING - .5 Credit
Grades 11-12 One Semester Course
Offered in EVEN years (Example 2015-2016, 2017-2018)
Prerequisite: General Wood Technology

Cabinetmaking courses provide students with experience in constructing cases, cabinets, counter, and other interior woodwork. Students learn to read plans, distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in Woodworking course; more advanced topics may include how to install plastic laminates on surfaces and how to apply spray finishes.

BUILDING AND CONSTRUCTION - .5 Credit
Grades 11-12 One Semester Course
Prerequisite: Carpentry – with a “C” grade or above preferred

Classroom instruction will be a simulated on-the-job construction site along with classroom study of the building construction field. Activities include the design and construction of utility sheds, shelters and garages. This course is recommended for students with a strong ability and desire to enter some type of construction vocation.
MANUFACTURING - .5 Credit  
Grades 10-11-12 One Semester Course  
No Prerequisites  
Comprehensive courses introduce students to the various methods used to process and transform materials. Processing techniques covered usually include casting, forming, separating, assembling, and finishing. The courses may also include an overview of management techniques in planning, organizing, and controlling various segments of the manufacturing process, including design, engineering, production, and marketing.

WELDING TECHNOLOGY - .5 Credit  
Grades 10-11-12 One Semester Course  
No Prerequisites  
Welding is a basic introductory and exploratory course in the fundamentals of common welding practices. Content will cover equipment, safety and skills necessary to obtain knowledge of the functions, uses and practical skills in arc welding, oxy-acetylene welding, brazing, torch cutting, MIG welding and plasma cutting. All positions in ARC welding will be covered.

ADVANCED WELDING TECHNOLOGY - .5 Credit  
Grades 11-12 One Semester Course  
No Prerequisites  
Prerequisite: Welding Technology  
This course is designed for students who wish to continue beyond the fundamentals of arc welding or for those who might be interested in making welding a career. Aluminum MIG welding as well as steel and aluminum MIG welding will be part of this class along with out-of-position welding in MIG. Project planning, drawing, and construction will comprise approximately 9 weeks of the semester.

INDUSTRIAL TECHNOLOGY EMPLOYMENT READINESS-OJT grade 12  
1 Year  
1 Unit Each Sem.  

INDUSTRIAL TECHNOLOGY EMPLOYMENT READINESS-CLASS grade 12  
1 Year  
.5 Unit Each Sem.  

Procedures: The student must make application for Vocational Employment Readiness and Vocational OJT through the guidance area.

This course is designed to meet the following components:
1. Employment Readiness: Employability issues, vocational issues and in-class seminars on vocational issues.
2. On-The-Job training: Participation in an approved paid, work-based learning experience coupled with journalizing, monitoring visits, and seminars.
3. Service Learning: Participation in the 5th and 8th grade Career Awareness Fair.
After successful completion of the course, the student receives .5 Unit for the classroom portion of the program and 1 Unit for work experience each semester—total of three (3) high school elective Units for the year.

WELDING ACADEMY  
Grades 11-12  
Prerequisite for the following courses: Welding Technology  
Compass/ACT Placement Score – Individual Basis  
Technical Math Required for Certification  
(may be taken simultaneous with courses)
PLANT SAFETY
Offered 1st Semester
1 Semester – No Credit
CCC – 1 Sem. – 1 Credit

This course is fundamental to the safe operation of all machine tools within industrial application. Students will develop the basic skills and knowledge necessary to work safely within all aspects of the manufacturing industry. Basic safety, electrical safety, chemical health hazards, forklift safety and machine tool safety will be covered.

SHEILDDED METAL ARC WELDING-BASIC
Offered 1st Semester
1 Semester - .5 Unit
CCC – 1 Sem. – 1.25 Credits

This course covers basic Shielded Metal Arc Welding procedures in the flat position. Variety of hands-on projects/experiments integrates and reinforces theoretical concepts in the laboratory setting.

GAS METAL ARC WELDING-BASIC
Offered 1st Semester
1 Semester - .5 Unit
CCC – 1 Sem. – 4.25 Credits

This course covers safety and Metal Inert Gas (MIG) welding techniques in horizontal, vertical and overhead positions. Variety of hands-on projects/experiments integrates and reinforces theoretical concepts in the laboratory setting.

BLUEPRINT READING
Offered 1st Semester
1 Semester - .5 Unit
CCC – 1 Sem. – 2 Credits

This course will cover introduction to engineering drawings, multi-view drawings, sectional views, dimensions and tolerances and part feature specification.

GAS METAL ARC WELDING-ADVANCED
Offered 2nd Semester
1 Semester - .5 Unit
CCC – 1 Sem. – 1.25 Credits

This course covers advanced metal inert gas (MIG) welding techniques in a variety of positions. Electrode selection, power source and welding distortion control using arc-welding process are emphasized. Numerous hands-on projects/experiments integrate and reinforce theoretical concepts in the laboratory setting.

OXY-ACETYLENE WELDING & CUTTING-MODULES
Offered 2nd Semester
1 Semester - .5 Unit
CCC – 1 Sem. – .5 Credits

Variety of hands-on projects/experiments integrates and reinforces theoretical concepts in the laboratory setting.

FLUX CORE ARC WELDING
Offered 2nd Semester
1 Semester - .5 Unit
CCC – 1 Sem. – 2.25 Credits

This course covers safety and flux core arc welding techniques. Variety of hands-on projects/experiments integrates and reinforces theoretical concepts in the laboratory setting.

METALLURGY
Offered 2nd Semester
1 Semester - .5 Unit
CCC – 1 Sem. – 2 Credits

All ferrous and non-ferrous metals have unique characteristics making their machining unique and individual. This course will teach the basic theory of metals and their characteristics from their differences in hardness, brittleness and durability, resistance to corrosion, and machinability and welding. Basic understanding of metallurgy is essential if machinists and welders are to employ the correct techniques and operational sequences to produce quality parts and products efficiently and effectively.
COOP FIELD EXPERIENCE  
Offered 2nd Semester  
1 Semester - .5 Unit  
CCC – 1 Sem. – 3 Credits  

Cooperative Work Experience will integrate classroom theory with on-the-job training. The College will assist the student in securing employment related to the student’s major field of study and/or career interests. Under the supervision of the College and the employer, the student participates in job training experiences. In addition to employment, attendance at scheduled on-campus seminars is required. Seminars may include job searching skills as well as professional development. Student eligibility consists of the successful completion of 12 credit hours with EICCD with at least two courses in the chosen major and maintenance of grade point average of 2.0 or higher. Eligibility requirements and credit hours available vary by program area.

INFORMATION TECHNOLOGY ACADEMY  
Grades 11-12  

PREREQUISITE FOR THE FOLLOWING COURSES: Information Processing COMPASS/ACT Placement Score  

FOUNDATIONS OF INFORMATION TECHNOLOGY  
1 Semester –.5 Unit  
Offered 1st Semester CCC – 1 Sem. – 3 Credits  

This course is designed as an introduction to the general uses, concepts, application and implementation of information technology within business and industry. Topics include programming logic, number systems, basic hardware design and software concepts. Some hands-on experience will consist of working with hardware, operating systems and networking.

WINDOWS WORKSTATION OS  
1 Semester -.5 Unit  
Offered 1st Semester  
CCC – 1 Sem. – 1.25 Credits  

This course prepares the student for supporting and using Windows Operating System Platform in a business setting. Topics of this course include installation, administration of resources, troubleshooting, networking, optimization and security.

NETWORKING FOR HOME & SMALL BUSINESS  
1 Semester – .5 Unit  
Offered 1st Semester  
CCC – 1 Sem. – 1.25 Credits  

This course teaches students the skills needed to obtain entry-level home network installer jobs. It also helps students develop some of the skills needed to become network technicians, computer technician, cable installers, and help desk technicians. It provides a hands-on introduction to networking and the internet using tools and hardware commonly found in home and small business environment. Instructors are encouraged to provide field trips and outside-the-classroom learning experiences. Labs include PC installation, Internet connectivity, wireless connectivity, file, and print sharing, and the installation of game consoles, scanners, and cameras.

INTRO TO PROGRAMMING-APPLIED LOGIC  
1 Semester -.5 Unit  
Offered 2nd Semester  
CCC – 1 Sem. – 1.25 Credits  

Prerequisite: Information Processing & COMPASS/ACT Placement Score  

Introduction to structured programming logic using a variety of methods to solve programming problems. Topics covered include flowcharting, pseudocode, hierarchy charts, truth tables, control breaks, arrays, logic constructs, object-oriented programming.

UNIZ/LINUX  
1 Semester -.5 Unit  
Offered 2nd Semester  
CCC – 1 Sem. – 1.25 Credits  

This course is designed to give students a basic understanding of the UNIX operating system, commands, the word systems duties and system administrative duties required when using a UNIX-based system.
NETWORKING FOR MEDIUM BUSINESS/ISP 1 Semester - .5 Unit
Offered 2nd Semester CCC – 1 Sem. – 1.25 Credits

This course prepared students for jobs as network technicians. It also helps students develop additional skills required for computer technicians and help desk technicians. It provides a basic overview of routing and remote access, addressing and security. It also familiarizes students with servers that provide e-mail services, web space, and authenticated access. Students also learn about soft skills required for help desk and customer service positions. Network monitoring and basic troubleshooting skills are taught in context.

LOGISTICS ACADEMY
Grades 11-12

PREREQUISITE FOR THE FOLLOWING COURSES: Compass/ACT Placement Score

INTRODUCTION TO BUSINESS LOGISTICS 1 Semester - .5 Unit
Offered 1st Semester CCC – 1 Sem. – 3 Credits

Provides an overview of the role of logistics in today’s business world; terminology in the field of logistics; and an overview of the major functional areas of the field of logistics such as transportation, inventory management, distribution and warehousing and regulatory and compliance. The student will also be exposed to trends, issues and challenges of the field, as well as to potential careers in logistics (locally, regionally and nationally). This course is the first one for any of the logistics pathways, but also makes a good elective for other general programs (i.e., business) to round out the understanding of any business operation.

PRINCIPLES OF WORKFORCE COMPETITIVE ADVANTAGE 1 Semester - .5 Unit
Offered 1st Semester CCC – 1 Sem. – 3 Credits

Focuses on developing basic professional skills to maximize productivity in the workplace and increase individual’s competitive edge. The emphasis is placed on the student’s ability to be prepared for the challenges of everyday situations in the workplace. Major topics include work ethic, workplace values promoted by employers, self-reflection and willingness to make changes as needed, business etiquette, effective communication, teamwork, problem solving, diversity in the workplace and stress management.

INTRODUCTION TO INVENTORY MANAGEMENT 1 Semester - .5 Unit
Offered 2nd Semester CCC – 1 Sem. – 3 Credits

Focuses on the role of inventory management in the supply chain. Students will be exposed to the concepts, principles, problems and procedures of inventory and materials management in the efficiency, competitiveness, and profitability of a business will be examined. Implications for inventory management of material requirements planning and just-in-time-systems will also be emphasized.

REGULATION & COMPLIANCE-WAREHOUSING & DISTRIBUTION 1 Semester - .5 Unit
Offered 2nd Semester CCC – 1 Sem. – 3 Credits

Provides an introduction to U.S. Occupational Safety Health Administration (OSHA) regulations; legal implications of legislation as it applies to safety in the workplace; Material Safety Data Sheets; mandatory and voluntary compliance; Workers Compensation; and incident and accident investigation.

MATHEMATICS

Ninth grade students are required to select either Pre-Algebra, Algebra IA, Algebra I or Geometry. This choice should be based on a consideration of, (1) past math grades, (2) scores on the Iowa Tests of Basic Skills, (3) results of the Iowa Algebraic Aptitude Test.
ALGEBRA IA
grades 9-12
1 Year - .5 Unit Each Sem.

The first part in a multi-part sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first degree equations and inequalities.

ALGEBRA IB
grades 10-12
Prerequisite: Algebra IA
1 Year - .5 Unit Each Sem.

The second part in a multi-part sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics.

ADVANCED GEOMETRY
grades 9-10
Prerequisite: Algebra I and proficiency on the Iowa Algebraic Aptitude Test
1 Year - .5 Unit Each Sem.

Through geometry we can describe, analyze, and understand our physical space. This course examines the properties, measurements, and relationships of points, lines, planes, and figures. Area, surface area, volume, transformations, and symmetry are also studied. This is a college preparatory class.

ADVANCED ALGEBRA II
grades 9-12
Prerequisite: Advanced Geometry
1 Year - .5 Unit Each Sem.

This course is designed for those who wish to go on with mathematics beyond the first year of Algebra and Geometry. This course is essential for anyone who plans to pursue a career in any scientific or engineering profession. Topics covered: Linear Equations and Functions, Systems of Linear Equations, Inequalities and Absolute Value, Quadratic Functions and Factoring, Polynomials and Polynomial Equations, Powers, Roots, Radicals, Exponential and Logarithmic Functions, Rational Equations and Functions, Data Analysis and Probability, Discrete Mathematics, and Trigonometry.

LIFE SKILLS MATHEMATICS
grades 11-12
1 Year - .5 Unit Each Sem.

Life Skills Math course Reinforces general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

COLLEGE ALGEBRA
grades 11-12
Prerequisite: ALEKS/ACT Placement Score
Prerequisite: Geometry and Algebra II
1 Sem. - .5 Unit
CCC-1 Sem.–3 Credits

A college-level algebra course for students majoring in business, the social sciences, sciences or liberal arts; and math students as indicated by placement measures. The course is designed to assist the student to review previously developed concepts and techniques and to prepare for future study in mathematics. Topics include: solving equations and inequalities; graphing equations and inequalities; functions including polynomial, absolute value, greatest integer,
exponential and logarithmic functions; systems or equations; matrices; permutations; combinations; and the Binomial Theorem. Enrichment topics may include ellipses, hyperbolas and probability. Graphic calculator required.

**PRE-CALCULUS**

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<th>Grades</th>
<th>Prerequisite</th>
<th>Credits</th>
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<tbody>
<tr>
<td>11-12</td>
<td>ALEKS/ACT Placement Score</td>
<td>1 Sem. - .5 Unit</td>
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<tr>
<td></td>
<td>College Algebra</td>
<td>CCC–1 Sem.–3 Credits</td>
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</table>

This course is designed to help all college preparatory students to be prepared for their first year of college mathematics. The course includes a section on Advanced Algebra, Trigonometry, and the Concepts of Limits. Other units may include the use of graphing calculators, logarithms, sequences and series, limits, vectors, matrices, math induction, algorithms, derivatives and integrals. This course is essential for anyone who plans to go into any scientific or engineering profession. A graphing calculator is required.

**PRE-TECHNICAL MATH/TECHNICAL MATH I**

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<th>Grades</th>
<th>Prerequisite</th>
<th>Credits</th>
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<tbody>
<tr>
<td>11-12</td>
<td>Algebra 1 or Algebra 1B, ALEKS/ACT Placement Score</td>
<td>1 Year - .5 Unit Each Sem.</td>
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<td>CCC–2nd Sem.–3 Credits</td>
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This course is designed to communicate the mathematic principles, concepts and manipulative skills that are needed in basic science and technology. The course will cover arithmetic, scientific notations, engineering notation, significant digits, algebra, solving literal equations, units of measure, solving problems, English and metric linear measurement units, geometry, trigonometry, and compound angles.

**TECHNICAL MATH I**

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<tbody>
<tr>
<td>11-12</td>
<td>ALEKS/ACT Placement Score</td>
<td>1 Sem. - .5 Unit</td>
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<tr>
<td></td>
<td>Algebra 1 or Algebra 1B</td>
<td>CCC–1 Sem.–3 Credits</td>
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</tbody>
</table>

This course is the first of two courses designed to communicate the mathematic principles, concepts and manipulative skills that are needed in basic science and technology. The course will cover arithmetic, scientific notations, engineering notation, significant digits, algebra, solving literal equations, units of measure, solving problems, English and metric linear measurement units, geometry, trigonometry, and compound angles.

**TECHNICAL MATH II**

<table>
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<th>Prerequisite</th>
<th>Credits</th>
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<tbody>
<tr>
<td>11-12</td>
<td>ALEKS/ACT Placement Score</td>
<td>1 Sem. - .5 Unit</td>
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<tr>
<td></td>
<td>Technical Math I</td>
<td>CCC–1 Sem.–3 Credits</td>
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This course is the second in a series of two designed to communicate mathematic principles, concepts and manipulative skills that are needed in basic science and technology. This course will also prepare the student for further study in mathematics. Topics of discussion include Factoring and Algebraic Fractions, Systems of Linear Equations, Quadratic Equations and Exponents and Radicals.

**STATISTICS**

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<th>Credits</th>
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<tbody>
<tr>
<td>11-12</td>
<td>ALEKS/ACT Placement Score</td>
<td>1 Sem. - .5 Unit</td>
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<tr>
<td></td>
<td>Algebra II</td>
<td>CCC–1 Sem.–4 Credits</td>
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</table>

This course introduces the basic principles of probability and statistics. The extensive use of statistical methods in the modern world makes it desirable to understand the fundamental ideas of decisions that are reached by these methods. Topics covered in the course include: descriptive statistics, fundamental probability theory, probability distributions, normal probability distributions, estimates of population parameters, testing hypotheses, inferences from two samples,
correlation, anova, and non-parametric statistics. A graphing calculator is required. Students can receive college credit for the second semester.

**CALCULUS I**

grade 12

Prerequisite: ALEKS/ACT Placement Score  
Prerequisite: College Algebra and Pre-Calculus

First in a series of three courses. The purpose of the sequence is to provide the student with a foundation in Calculus and analytical geometry. Those students enrolled in the science, math, engineering, computer science and similar fields will gain proficiency. Topics include analytic geometry, differentiation and applications of the derivative, integration and its applications. A graphing calculator is required.

**CALCULUS II**

grade 12

Prerequisite: ALEKS/ACT Placement Score  
Prerequisite: Calculus I

A continuation of Calculus I, this is the second course in the series. Topics include differentiation and integration of trigonometric, logarithmic and exponential functions, methods of integration, improper integrals; polar coordinates and infinite series. A graphing calculator is required.

**Project Lead the Way - Pathway to Engineering**

**INTRO TO ENGINEERING DESIGN**

grades 9-12

Prerequisite: Algebra I or Algebra 1B; ALEKS/ACT Placement Score

(IED) allows students to use sophisticated 3D modeling software to improve existing products, invent new ones, and communicate the details of the products to others.

**PRINCIPLES OF ENGINEERING**

grades 10-12

Prerequisite: Intro to Engineering; ALEKS/ACT Placement Score

(POE) uses student activities, projects, and problems to explore the wide variety of careers in engineering and technology and examine various technology systems and manufacturing processes.

**CIVIL ENGINEERING AND ARCHITECTURE**

grades 10-12

Prerequisite: Intro to Engineering; ALEKS/ACT Placement Score

(CEA) provides an overview of the fields of civil engineering and architecture, emphasizing the interrelationship of the two fields.

**BIOTECHNICAL ENGINEERING**

grades 10-12

Prerequisite: Intro to Engineering; ALEKS/ACT Placement Score

(BE) employs relevant projects from biotechnology, bioengineering, biomedical engineering, and biomolecular engineering to teach students to apply and develop secondary-level knowledge and skills in biology, physics, technology, and mathematics.
DIGITAL ELECTRONICS
grades 10-12 1 Year - .5 Unit Each Sem.
Prerequisite: Intro to Engineering; ALEKS/ACT Placement Score

Students use computer simulation to learn about the logic of electronics as they design, test, and construct circuits and devices.

ENGINEERING DESIGN AND DEVELOPMENT
grade 12 1 Year - .5 Unit Each Sem.
Prerequisite: Intro to Engineering; ALEKS/ACT Placement Score

Teams of students, guided by community mentors, work together to research, design, and construct solutions to engineering problems.

ALTERNATE COLLEGE CREDIT:
There is an opportunity to earn 3 college credits with each of the PLTW classes through University of Iowa and Iowa State University.

SCIENCE

GENERAL SCIENCE
grade 9 1 Year - .5 Unit Each Sem.

General Science course combines more than one branch of science into a cohesive study or may integrate science with another discipline. General scientific concepts are explored, as are the principles underlying the scientific method and experimentation techniques.

EARTH SCIENCE
grades 10-12 1 Year - .5 Unit Each Sem.
Prerequisite: General Science

Earth Science studies the planet Earth. Included in the course are the topics of geology, meteorology, and astronomy. Many lab activities are included.

ECOLOGY
grades 10-12 1 Semester - .5 Unit
Prerequisite: General Science

Ecology is the study of the relationships among plants, animals, and their environment. In this course, the student will study ecological concepts (communities, food webs, succession, etc.), natural resources, environmental issues, and the human relationship to the environment. Students will learn to identify vertebrates and the invertebrates’ common to Northeast Iowa.

ADVANCED BIOLOGY
grades 11-12 1 Year - .5 Unit Each Sem.
Prerequisite: Biology and Chemistry

This course will provide the student with a molecular approach to the study of biology. Invertebrate studies, cell biology, biochemistry, plant physiology, chordate anatomy, animal physiology, and human genetics will make up the bulk of the curriculum.
SOCIAL SCIENCES

SOCIOLOGY
grades 10-12 1 Semester - .5 Unit

Sociology courses introduce students to the study of human behavior in society. This course provides 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.

GLOBAL CULTURES
Grade 9

Global Cultures course examines the history, politics, economics, society, and/or culture of one or more regions of the world, such as Africa, Latin America, Europe, Far East Asia and the Middle East. These courses may focus primarily on the history of a particular region or may take an interdisciplinary approach to the contemporary issues affecting the region. Furthermore, these courses may emphasize one particular country (other than the United States), rather than emphasizing a region or continent.