



# Eastland Jr. /Sr. High School Curriculum Guide 2016-2017

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## General Information

This curriculum guide provides information for parents and students regarding course offerings at Eastland Jr. /Sr. High School. After reading through the curriculum guide and exploring career goals with parents, students will be able to make better choices regarding course selection. Making educated decisions at this time will enhance possibilities after high school.

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## Eastland Community Unit School District #308

### District Vision

Learning is paramount at Eastland, where students are provided the foundation for a happy, healthy, and successful life through the development of competencies . . .

#### **CORE COMPETENCIES**

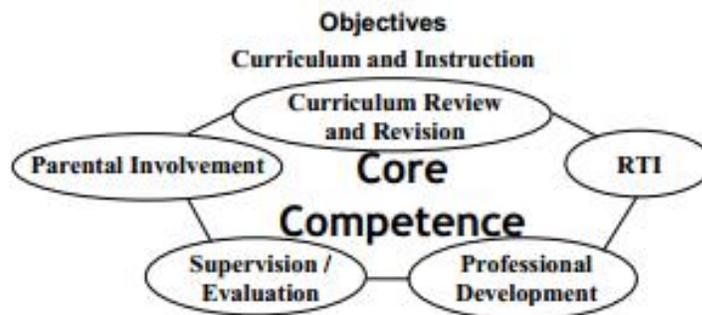
- to **read, write, speak, and listen** effectively
- to **apply math and science skills** to solve problems

#### **SUPPLEMENTAL COMPETENCIES**

- to **reference history and civics**
- to **use technology** to communicate and solve problems
- to live a life of **mental and physical wellness**

#### **SOCIAL-CULTURAL COMPETENCIES**

- to **lead** ethically
- to communicate **civilly**
- to act **confidently**
- to **collaborate** effectively
- to **think** creatively
- to **work** productively and
- to **contribute personally** to a better school, community, and world.



## Eastland High School Graduation Requirements

Students must earn twenty-eight (28) credits and take the Prairie State Achievement Exam (PSAE) in order to graduate from Eastland High School. We encourage students to develop a plan for their high school education that adequately prepares them for both college/careers. Specific course requirements for graduation from Eastland are:

<b>Courses</b>	<b>Credits</b>
(Beginning with the Class of 2016)	
<b><i>English</i></b>	<b>4</b>
- British Lit & American Lit are required or 1 year of AP Literature can be substituted	
- Students are required to take at least one English course per year	
<b><i>Math</i></b>	<b>4</b>
- Algebra 1 equivalency	
- Geometry equivalency	
- Students are required to take at least one Math course per year	
<b><i>Science</i></b>	<b>3</b>
- 1 credit of Biology	
- 1 credit of Physical Science	
<b><i>Social Studies</i></b>	<b>3</b>
- .5 credit of Civics	
- 1 credit of US History	
<b><i>Consumer Education</i></b>	<b>0.5</b>
<b><i>Physical Education</i></b>	<b>4</b>
- Unless waived by the Principal	
<b><i>Health</i></b>	<b>0.5</b>
<b><u><i>Art, Music, or Vocational Education</i></u></b>	<b><u>1</u></b>
Total Credits of required courses:	20.5
Total elective courses required:	<u>7.5</u>
Total credits required for graduation:	28.0

Other Graduation Requirements include passing an examination on patriotism and principles of representative government, proper use of the flag, methods of voting, and the Pledge of Allegiance.

Students who complete the Special Education Program as prescribed by the Bi-County Special Education District may receive a regular High School diploma and may participate in graduation exercises at Eastland High School. All students enrolled in the Special Education Program are entitled to participate in all activities of their class.

### MINIMUM STUDENT SCHEDULE AT HIGH SCHOOL

Each high school student shall be enrolled in a minimum of seven classes and be allowed no more than one full length study hall period per day. Students are only allowed three semesters of study hall except in extenuating circumstances and approval has been granted by High School Principal. Students must be enrolled in Physical Education in order to be eligible for study hall.

### HIGH SCHOOL SCHEDULING CHANGES

Changes can be made or a course dropped through the first five days of classes if:

1. It is possible in terms of your existing schedule and the change will not overload a particular class.
2. The change results in a reasonable program of studies in terms of the established curriculum.
3. The change is approved by parent, teacher, counselor, and Principal.
4. The change is made for educationally sound reasons.
5. A \$5.00 fee will be charged to each course change that is made after 30 calendar days after spring registration. Note: No charge will occur if the Principal or counselor directs the change.
6. **After the first five school days of each semester, a dropped course will be recorded as a withdrawal/failure.**

Course availability is dependent on student interest, teacher availability, and other course conflicts.

### CREDIT FOR ALTERNATIVE COURSES, INCLUDING VIRTUAL COURSES AND CREDIT RECOVERY

A student enrolled in a distance learning course, including a virtual or online course, may receive high school credit for work completed, provided:

1. The course is offered by an institution approved by the Superintendent or designee;
2. The course is not offered at Eastland High School or is a unique circumstance
3. The student assumes responsibility for all fees (including tuition and textbooks); and
4. The Building Principal approves the course curriculum in advance.
5. Preferred sources include Illinois Virtual School and the Credit Recovery program offered through our Regional Office of Education.

A maximum of 4 credits may be counted toward the requirements for a student's high school graduation. Grades earned in approved distance learning courses count toward a student's grade point average, class rank, and eligibility for athletic and extra-curricular activities.

#### Summer School

A student may receive credit for successfully completing a summer school course, provided:

1. The course is given by an institution accredited by the North Central Association of Colleges and Secondary Schools, or the Illinois State Board of Education.
2. The course is used either to:
  - A. fulfill a credit for a required course that the student has failed, or
  - B. satisfy an elective credit for a course not offered at Eastland
3. The student assumes responsibility for all fees; and
4. The Building Principal approves the course curriculum in advance.

#### College Courses

A student who successfully completes community college courses may receive high school credit, provided:

1. The student is a senior in good academic standing;
2. The course is not offered in the high school curriculum;
3. The course is approved in advance by the student's School Counselor and the High School Principal; and
4. The student assumes responsibility for all fees.

A maximum of 6 units of credit may be counted toward the requirements for a student's high school graduation.

#### Apprenticeships and/or Work Study

Students participating in a Youth Apprenticeship and/or Work Study set-up by Bi-County Special Education Coop may earn credit towards graduation. Participation in such programs must be approved by School Counselor and Principal.

### **SUBSTITUTIONS FOR PHYSICAL EDUCATION AND OTHER REQUIRED COURSES**

A student in grades 9-12, unless otherwise stated, may submit a written request to the Building Principal to be excused from physical education courses for the reasons stated below. The Superintendent or designee shall maintain records showing that the criteria set forth in this policy were applied to the student's individual circumstances.

1. Enrollment in a marching band program for credit.
2. Ongoing participation in an interscholastic athletic program (student must be in the 11th or 12th grade);
3. Enrollment in academic classes that are required for admission to an institution of higher learning (student must be in the 11th or 12th grade); or
4. Enrollment in academic classes that are required for graduation from high school, provided that failure to take such classes will result in the student being unable to graduate (student must be in the 11th or 12th grade).

A student in grades 3-12 who is eligible for special education may be excused from physical education courses if:

1. The student's parent/guardian agrees that the student must utilize the time set aside for physical education to receive special education support and services, or
2. The student's individualized education program team determines that the student must utilize the time set aside for physical education to receive special education support and services.

The agreement or determination must be made a part of the individualized education program. A student requiring adapted physical education must receive that service in accordance with the student's individualized education program.

LEGAL REF.: 105 ILCS 5/2-3.44, 5/2-3.108, 5/2-3.115, 5/2-3.142, 5/10-22.43a, 5/27-6, 5/27-22.3, and 5/27-22.05 and 5/27-22.05.

23 Ill.Admin.Code §§1.420(p), 1.440(j), and 4.450(c).

CROSS REF.: 6:180 (Extended Instructional Programs), 6:300 (Graduation Requirements), 6:320 (High School Credit for Proficiency), 7:260 (Exemption from Physical Activity)

APPROVED: 1/20/2010



### **GRADING SYSTEM FOR HIGH SCHOOL**

Eastland High School has a grading system of +s and –s with different point values for all letter grades. Grades in ALL non-weighted classes will be determined on the following grade scale:

Letter Grade	100 Pt. Scale	Grade Points
A	93.00-100	4.0
A-	90.00-92.99	3.67
B+	87.00-89.99	3.33
B	83.00-86.99	3.0
B-	80.00-82.99	2.67
C+	77.00-79.99	2.33
C	73.00-76.99	2.0
C-	70.00-72.99	1.67
D+	67.00-69.99	1.33
D	63.00-66.99	1.0
D-	60.00-62.99	0.67
F	Below 60.00	0.00

### **WEIGHTED GRADES FOR HIGH SCHOOL**

Eastland High School offers Advanced Placement (AP) Courses that are aligned to entry level college standards and approved by the College Board. In recognition of the more rigorous standards and expectations, grades for AP Coursework are weighted as follows

Letter Grade	100 Pt. Scale	Grade Points
A	93.00-100	5.0
A-	90.00-92.99	4.67
B+	87.00-89.99	4.33
B	83.00-86.99	4.0
B-	80.00-82.99	3.67
C+	77.00-79.99	3.33
C	73.00-76.99	3.0
C-	70.00-72.99	2.67
D+	67.00-69.99	2.33
D	63.00-66.99	2.0
D-	60.00-62.99	1.67
F	Below 60.00	0.00

**Honor Rolls**

Honor Rolls are based on the following Grade Point Averages (GPAs).

Honor Roll	3.00-3.59
High Honor Roll	3.60-3.99
Straight A Honor Roll	4.0

**Semester Grades**

Semester grades are the grades which are used to determine class rank and GPA. Semester grades are calculated:

40% First Quarter Grade
40% Second Quarter Grade
20% Semester Test Grade

**Late Work Policy**

All students must follow the rules established by each individual classroom teacher regarding the acceptance of and/or credit given for work that is late for any reason, including excused or unexcused absences. It is the student's responsibility to see the teacher the following day after an absence, regardless of block schedule.

If late work is not specifically addressed in the classroom teacher's syllabus, the following policy will be followed. Work not submitted when it is due is subject to the Late Work Policy:

1 Day (refers to not being submitted when due) .....	75% of possible grade
2 Days.....	50% of possible grade
3 Days.....	No Credit

## HIGH SCHOOL COURSES AT A GLANCE

	<i>Ninth Grade</i>	<i>Tenth Grade</i>	<i>Eleventh Grade</i>	<i>Twelfth Grade</i>
<b>Agriculture</b>	Intro to Ag Intro to Ag Construction	Intro to Ag Intro to Ag Construction Intro to Horticulture Ag Leadership & Comm. Vet Tech I & II Intro to Ag Mechanics	Intro to Ag Intro to Ag Construction Intro to Horticulture Vet. Tech. I & II Ag Leadership & Comm. Intro to Ag Mechanics Crop & Livestock Science BSAA Ag Business	Intro to Ag Intro to Ag Construction Intro to Horticulture Vet. Tech. I & II Ag Leadership & Comm. Intro to Ag Mechanics Crop and Livestock Science BSAA Ag Business
<b>Arts</b>	Basic Design Drawing 101, Painting 101 Sculpture & Ceramics Yearbook, Graphic Design	Basic Design Drawing 101, Painting 101 Sculpture & Ceramics Yearbook, Graphic Design Studio Art	Basic Design Drawing 101, Painting 101 Sculpture & Ceramics Yearbook, Graphic Design Studio Art	Basic Design Drawing 101, Painting 101 Sculpture & Ceramics Yearbook, Graphic Design Studio Art
<b>Business</b>		Accounting I Law	Accounting I Law	Accounting I Law
<b>Computer Science</b>	Computer Programming Intro to Dig. Media Arts Graphic Design Robotics/Biomechanics	Computer Programming Intro to Dig. Media Arts Graphic Design Robotics/Biomechanics CAD/CAM	Computer Programming Intro to Dig. Media Arts Graphic Design Robotics/Biomechanics CAD/CAM	Computer Programming Intro to Dig. Media Arts Graphic Design Robotics/Biomechanics CAD/CAM
<b>English</b>	English I	English II	American Literature I/II Literature & Society British Literature World Literature AP Literature & Composition	American Literature I/II, Literature & Society British Literature World Literature AP Lit & Comp
<b>Family &amp; Consumer Sciences</b>	FACS I or II	FACS I or II	FACS I or II, Adult Living, Parenting,	FACS I or II, Adult Living, Parenting
<b>Foreign Language</b>	Spanish I	Spanish I or II	Spanish I, II, or III	Spanish I, II, III, or IV
<b>Mathematics</b>	Algebra I Algebra I-B	Geometry & Algebra II Geometry-B Geometry	PreCalculus/Trigonometry Algebra II Algebra II-B  Statistics & Probability	AP Calculus PreCalculus/Trigonometry Advanced Algebra/Trig Math for the Trades Statistics & Probability
<b>Music</b>	Chorus, Band, Jazz Band, Morning Chorus	Chorus, Band Jazz Band, Morning Chorus	Chorus, Band Jazz Band, Morning Chorus	Chorus, Band Jazz Band,
<b>Physical Education</b>	PE, Health (Required) Conditioning & Fitness	PE Conditioning & Fitness	PE Conditioning & Fitness	PE Conditioning & Fitness
<b>Science</b>	Biology I, Physics 1st	Biology I, Biology II AP Biology Physics 1st Chemistry Horticulture	AP Biology Chemistry I, Biology II, Physics BSAA, AP Chemistry Horticulture, Vet Tech I & II	AP Biology Human Physiology, Physics, BSAA, AP Chemistry Hort, Vet Tech I & II
<b>Social Science</b>	Ancient & Medieval History Modern World History Geography	Ancient & Medieval History Modern World History Geography	US History (Required) World Contemp. Issues Ancient & Medieval History Modern World History Geography, Sociology	Civics (Required), World Contemp. Issues Ancient & Medieval Hist. Modern World History Geography, Sociology

## NCAA Eligibility

The NCAA Initial-Eligibility Clearinghouse has approved the following core academic courses for use in establishing the certification status of student-athletes at Eastland High School. Students expecting to receive NCAA athletic eligibility for college should refer to the NCAA website: [www.ncaa.org](http://www.ncaa.org).

### English

American Lit I/II  
British Literature  
Composition  
AP Literature & Composition  
English I  
English II  
Lit & Society  
World Literature

### Mathematics

Advanced Algebra/Trigonometry  
Algebra I  
Algebra II  
Geometry  
Pre-Calculus (Trig)  
AP Calculus  
Statistics & Probability  
Adv. Algebra/Trig

### Social Science

Ancient & Medieval History  
Civics  
Modern World History  
World Contemporary Issues  
Geography  
US History  
Sociology  
AP US History

### Foreign Language

Spanish I  
Spanish II  
Spanish III  
Spanish IV

### Natural/Physical Science

Biology I  
Biology II  
Biology III / AP Biology  
Chemistry I / Chemistry II  
Physics 1st  
Human Physiology  
AP Chemistry

## COURSE PLANNING

When registering for classes at Eastland High School, students will:

- 1) Complete an annual Individual Learning Plan that identifies students' interest and includes course planning in preparation for future post-secondary education and/or career.
- 2) Select eight courses for each semester. Alternative courses may also be requested. Students should choose carefully with future goals in mind.
- 3) Select courses for the appropriate grade level and course sequencing
- 4) Remember to enroll for all required courses as well as courses that may have been taken previously but were failed (and are required for graduation).
- 5) Make sure they meet the necessary prerequisites for courses they select.
- 6) Monitor their credits for graduation and plan accordingly.

## PREPARING FOR COLLEGE

Eastland strives to ensure that by graduating from Eastland High School, students have taken the coursework necessary for them to be successful in both college and future careers. Because of that, our graduation requirements align with or exceed the Core College Preparatory Requirements (*4 years of English, 3 years of Math, 3 years of Social Studies, and 3 years of Science*). Colleges look at GPA, class Rank, ACT scores, and the rigor level of courses taken at high school. Because it is important to have

students achieve their fullest potential while at high school, we encourage students to pursue the most rigorously appropriate courses for themselves.

## CAREER PLANNING

Eastland students are encouraged to begin exploring career possibilities long before graduation. Some ways in which Eastland students explore careers include elective class elections, websites, college & career search engines, interest inventories, career portfolios, internships, job shadows, etc. One way for students to organize their career planning is by creating a Program of Study to help ensure you are on a pathway to your future career.

*Definition of Key Concepts in Career Planning:*

**Program of Study:** a formal template that outlines a sequence of courses that should be taken throughout high school and into their Associate Degree and beyond. This helps students know if they are on track educationally for a Career Pathway. These are developed with the help of teachers, parents, and counselor.

**Career Cluster:** groups of occupations and industries that have in common a set of foundational knowledge and skills. There are 16 nationally recognized clusters within which are multiple career pathways.

**Career Pathways:** are multi-year programs of academic and technical study that prepare high school students for a full range of postsecondary options within each of the 16 clusters. Pathways provide a context for exploring career options at all levels of education and a framework for linking learning to the knowledge and skills needed for future education and employment

**The next 16 pages feature the sixteen Career Clusters that are available in today's workforce.** Students should review the Career Cluster, identify ones that interest them, and work with their counselor and parents on developing an individualized Program of Study.

The following are some helpful resources for understanding *Career Clusters*, *Programs of Study*, and *Career Pathways*:

[www.iluccte.org/ctellinois.htm](http://www.iluccte.org/ctellinois.htm)

[www.ilpathways.org](http://www.ilpathways.org)

[www.careerclusters.org](http://www.careerclusters.org)

[www.careertech.org](http://www.careertech.org)

Visual Example of the Career Cluster Framework and the 16 Career Clusters.



## High School Course Descriptions

### AGRICULTURE

#### Agriculture I - Introduction to Agriculture Science

**Course Key:** 18001A/B      **State Course ID#:** 18001A001  
**Grade Level:** 9-12      **Length:** 1 year / 1 credit      **Prerequisite:** None

This course will provide the student with a broad insight into the Agriculture Industry. It is intended to give students a broad range of knowledge in several areas of the agriculture industry. Students will develop an understanding of areas such as the FFA, Plant and Animal Science, Basic Welding Skills, and Record Keeping SAE's. Students will also enhance their learning through several research projects and presentations. This course will provide an interesting year for a student with either a rural or town background. FFA membership required. FFA membership dues of \$10.00 must be paid at the beginning of the school year.

#### Ag Construction & Technologies

**Course Key:** 18403A/B      **State Course ID#:**  
**Grade Level:** 9-12      **Length:** 1 year / 1 credit      **Prerequisite:** None

This course will introduce students to technical drawing, safety procedures, use of hand tools and machine operations, woodworking and metal working. Students will also learn about career in trade industries. This course is designed to provide pre-vocational background for those students who are considering entering the trades or related fields.

#### Agriculture II- Introduction to Mechanics

**Course Key:** 18401A001      **State Course ID#:** 18401A001  
**Grade Level:** 10-12      **Length:** ½ year / ½ credit      **Prerequisite:** None

This course will give a brief introduction into Ag Mechanics. Topics that will be covered include welding skills and application, basic electrical diagrams and wiring, and introduction into small engines. This course is designed to give students a basic knowledge of agriculture mechanics and develop interest for those students considering mechanics as a career choice. FFA membership required. FFA membership dues of \$10.00 must be paid at the beginning of the school year.

#### Agriculture III - Crop and Livestock Science

*(Will receive dual credit from Highland Community College for their AGOC 129 course if student has/will also take Vet Tech I or II)*

**Course Key:** 18003A/B      **State Course ID#:** 18003A001  
**Grade Level:** 11-12      **Length:** 1 year / 1 credit      **Prerequisite:** Ag I

This course covers a study of soils, crops, integrated pest management, animal production including; nutrition, facilities and meat science. Agri-science applications are included along with an introduction to basic welding. Leadership skills are reviewed in this class. Field trips are taken. FFA membership required. FFA membership dues of \$10.00 must be paid at the beginning of the school year.

#### Agriculture IV- Agriculture Business Management

*(Will receive dual credit from Highland Community College for their AGOC 124 course.)*

**Course Key:** 18201A/B      **State Course ID#:** 18201A001  
**Grade Level:** 11-12      **Length:** 1 year / 1 credit      **Prerequisite:** Must be a junior or senior

This course studies the business aspect of Agriculture. This is an in-depth study of Ag business, finance, record keeping, marketing and management. Students will study futures trading, Ag computers and programs. The course will be broken into two sections the first focusing on types of agriculture businesses and their structure. The second half of the course will concentrate on commodity marketing and the futures market. Students will enhance their understanding of both areas through several group projects and hands on activities. Field trips are taken. FFA membership required. FFA membership dues of \$10.00 must be paid at the beginning of the school year.

#### Biological Science with Agriculture Applications

**Course Key:** 18051A/B      **State Course ID#:** 18051A002  
**Grade Level:** 11-12      **Length:** 1 year / 1 credit      **Prerequisite:** Biology I

An exciting lab science class with most of the class time spent in lab research. The first semester will be concerned with environmental factors affecting life, germination and growth. Plant hormones and response to growth factors will be investigated. In the second semester, the student will study animal genetics and growth factors including

studying and maintaining an aquaculture system. This class would benefit any student planning to further their education beyond high school. FFA membership required. FFA membership dues of \$10.00 must be paid at the beginning of the school year. *This course will receive Science credit.*

#### Introduction to Horticulture

**Course Key:** 18052      **State Course ID#:** 18052A001

**Grade Level:** 10-12      **Length:** 1 semester / ½ credit      **Prerequisite:** Must be in or have taken Biology I

This class will investigate the area of horticulture. Topics covered, but not limited to, careers in horticulture, plant taxonomy, plant parts and function, plant growth regulators, landscaping, floral design, and others. Students will learn the concepts in class and apply them in the greenhouse. FFA membership required. FFA membership dues of \$10.00 must be paid at the beginning of the school year. *This course will receive a Science credit.*

#### Veterinary Technologies I

*(Will receive dual credit from Highland Community College for their AGOC 129 course if student has/will also take Vet Tech II or AG III - 2<sup>nd</sup> semester)*

**Course Key:** 18105A      **State Course ID#:** 18105A001

**Grade Level:** 11-12, 10<sup>th</sup> with instructor permission      **Length:** 1 semester / ½ credit

**Prerequisite:** Must be in or have taken Biology I

This course will develop students' understanding of the small and companion animal industry, animal handling and restraint methods for small and large animals are covered. An introduction to lab techniques and basic vet principles are also covered in this class. Numerous field trips to local vet clinics are included. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. FFA membership required. FFA membership dues of \$10.00 must be paid at the beginning of the school year. *This course will receive a Science credit.*

#### Veterinary Technologies II

*(Will receive dual credit from Highland Community College for their AGOC 129 course if student has/will also take Vet Tech I or AG III - 2<sup>nd</sup> semester)*

**Course Key:** 18105B      **State Course ID#:** 18105A001

**Grade Level:** 11-12, 10<sup>th</sup> with permission and have at least a B in Biology      **Length:** 1 semester / ½ credit

**Prerequisite:** Veterinary Technologies I

This course covers more in depth lab techniques in use of microscopes in the identification of parasites, circulatory system with blood smears and blood workup, animal anatomy, diagnosis of illnesses, digestive, reproductive, genetics, nervous, and endocrine systems will be studied. Also included will be veterinarian terminology as well as determining medication rates. This class will give a great background for any student interested in animal science or related career. Career Exploration is also included. FFA membership required. FFA membership dues of \$10.00 must be paid at the beginning of the school year. *This course will receive a Science credit.*

#### Agriculture Leadership and Communications

**Course Key:** 18203A      **State Course ID#:** 18203A002

**Grade Level:** 10-12      **Length:** 1 semester / ½ credit      **Prerequisite:** Agriculture I

Students will analyze current agricultural issues and determine how they affect people on all sides of the issue. The students then learn and enhance their written and oral communication skills by presenting their views and opinions to the class. Students learn how to arrange and present debates, speeches, and interviews to be effective leaders in today's society. Students will further enhance their potential for leadership development, personal growth, and career success. 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. FFA membership is a requirement. Students must pay their \$10 dues at the beginning of the school year.

## BUSINESS

#### Accounting I

*(Will receive dual credit from Highland Community College for their ACCT 102 course.)*

**Course Key:** 12104A/B      **State Course ID#:** 12104A001

**Grade Level:** 11-12      **Length:** 1 year / 1 credit      **Prerequisite:** none

This course is designed to teach accounting terminology and understanding of the debit and credit principles. Recording of commonly used business transactions including payroll, accounts receivable, accounts payable, cash receipts, cash payments, and all other processes related to double entry accounting will be covered. Computers will be used as a supplement to the text to reinforce principles learned.

## Consumer Education

**Course Key:** 12200      **State Course ID#:** 22210A000**Grade Level:** Required for Seniors      **Length:** 1 semester / ½ credit      **Prerequisite:** None

This course is aimed at providing students with basic skills in banking and its services, credit availability and use, the purchase of and needs for insurance, budgeting needs at all levels of life, savings and investments, and other pertinent consumer topics. Consumer rights and responsibilities and the role government plays in consumer decisions will also be covered. This course is required for graduation.

## COMPUTER SCIENCE

## Computer Programming

**Course Key:** 10152      **State Course ID#:** 10152A001**Grade Level:** 10-12, and 9 with permission and/or recommendation      **Length:** 1 year/ 1 credit**Prerequisite:** Algebra 1, a Computer Class or permission of the instructor

It sounds complicated but Alice helps to make programming easy and fun. Students will learn the principles of programming computers without the tedious typing and debugging. Alice uses 3-D objects to create programs using a drag and drop system that produce a movie or computer game. Students will create fun animations but the course will still sneak in the fundamentals of object oriented programming that include looping, selection, data structures, methods, properties and functions. Students will learn the basics of programming while creating computer animations. (Alice is free so students can put it on home computers and show family and friends their animations.) May be counted toward computer course requirement.



## Intro to Computer Aided Design and Manufacturing

**Course Key:** 21010A/B      **State Course ID:** 10002A000**Grade Level:** 10-12      **Length:** 1 year / 1 credit      **Prerequisite:** Ag Construction Technologies

This course will introduce students to CAD/CAM. Basic computer hardware, software and operating systems will be discussed. Basic two-dimensional and three-dimensional drawing and creation techniques will be discussed along with creation and editing techniques. Students will begin learning how to develop CNC-ready programming. Students will use Tinkerbot, Sketchup and will be introduced to AutoCAD.

## Intro to Digital and Media Arts

**Course Key:** 10203      **State Course ID:** 10202A000**Grade Level:** 9-11      **Length:** 1 semester/ ½ credit      **Prerequisite:** None

This course gives students hands-on experiences with current technology in the marketplace and its application in informational technology. Current hardware and software will be explored and students will use their creativity and skills to create and edit interactive multimedia presentations, digital images and sound.

## Robotics &amp; BioMechanics

**Course Key:** 21009A/B      **State Course ID:** 03153A000**Grade Level:** 10-11      **Length:** 1 year / 1 credit      **Prerequisite:** None

This course builds on the knowledge obtained in Jr. High in basic programming and problems solving strategies using robotics. Students will develop, build and fabricate robotic chassis and work hands-on in teams to design, build, program and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, decision-making, propulsion systems and locomotive systems. Students will also learn how robotics relates to science and technological advances. Robotics competition may be part of this course.

Web 2.0 – *Not currently offered***Course Key:** 10004      **State Course ID#:** 10004A001**Grade Level:** 9      **Length:** 1 semester/ ½ credit      **Prerequisite:** None

This course is designed to give the students a good understanding Web 2.0 tools. Computers class provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. This course is designed to give students the skills necessary to support and enhance their learning through digital media technology. Topics covered in the course may include (but is not limited to) internet research, copyright laws, web-publishing, use of digital imagery, electronic forums, presentation tools, and project planning.

## ENGLISH

### English I

**Course Key:** 01001A/B    **State Course ID#:** 01001A000

**Grade Level:** 9                    **Length:** 1 year / 1 credit                    **Prerequisite:** None

This a one-year course studies units in both literature and construction. Students will further develop reading skills while studying various forms of literature.

### Developmental English

**Course Key:** 01009A/B    **State Course ID#:** 01009A000

**Grade Level:** 9                    **Length:** 1 year / 1 credit

**Prerequisite:** Placement based on test scores and teacher/administrator recommendation

This course is designed to help struggling readers develop a variety of comprehension and vocabulary strategies, and help them build fluency to help them succeed in high school and post-secondary education. Guided by individual assessments, teachers will utilize engaging, purposeful, and research-based practices to help students make progress and will monitor student progress regularly to ensure student growth. *Students enrolled in Developmental English will also be enrolled in the English I course.*

### English II/Speech

**Course Key:** 01002A/B    **State Course ID#:** 01002A000

**Grade Level:** 10                    **Length:** 1 year / 1 credit                    **Prerequisite:** Successful completion of Eng. I

This year-long course for sophomores includes the study of nonfiction, poetry, short stories, and novels, as well as essay and research writing. Special emphasis is placed on communication skills and presentations.

### American Literature & Composition

**Course Key:** 01054A/B    **State Course ID#:** 01054A000

**Grade Level:** 11                    **Length:** 1 year                    **Prerequisite:** Junior standing

This course studies various American Literature from pre 1800 to current. Emphasis is placed on literary movements and reading stories and novels from specific literary movements. Students will complete a research paper.

### Communications – *Not currently offered*

**Course Key:** 01010A/B    **State Course ID#:** 01009A000

**Grade Level:** 11-12                    **Length:** 1 year/1 credit                    **Prerequisite:** Recommendation by teacher/admin

Communications is designed to help students focus on basic skills in English. Students will read novels, short stories, and other forms of literature to improve their reading comprehension. There will also be a review of grammar and vocabulary development. In addition, students will write essays and a research paper to further develop their writing skills.

### British Literature

**Course Key:** 01056                    **State Course ID#:** 01056A000

**Grade Level:** 11-12                    **Length:** 1 Semester / ½ credit                    **Prerequisite:** Junior/Senior Standing

This semester course traces the historical context and the development of British Literature from the Anglo-Saxon period through the 20<sup>th</sup> century, including the works of Chaucer, Shakespeare, Swift, and Dickens. Students will be required to write a research paper.

### Literature and Society

**Course Key:** 01065                    **State Course ID#:** 01065A000

**Grade Level:** 11-12                    **Length:** 1 Semester / ½ credit                    **Prerequisite:** Junior/Senior Standing

This course examines literature as a reflection of society and incorporates the reading of works of both classic and contemporary authors. Students will read non-fiction, novels, short stories, and essays related to topics such as utopian societies, poverty, and war. Students will be required to complete a research paper.

### World Literature

**Course Key:** 01058                    **State Course ID#:** 01058A001

**Grade Level:** 11-12                    **Length:** 1 Semester / ½ credit                    **Prerequisite:** College Bound/Pre-AP

This semester class examines classic and contemporary works of Western and non-Western civilizations. Students will be required to complete a research paper. This course is recommended for students who want to take AP Literature and Composition.

## Advanced Placement Literature and Composition

**Course Key:** 01006A/B **State Course ID#:** 01006A000**Grade Level:** 11-12 **Length:** 1 Year / 1 credit **Prerequisite:** Junior/Senior Standing – College Bound

AP English is designed to help students understand how writers use language to provide meaning and to answer the big questions in life. Students will compare literary works to the history of the time period for greater understanding and will determine the qualities of great literature. Student will use analysis of style and structure, rhetoric strategies, diction, figurative language, imagery, selection of detail, language and syntax along with vocabulary enrichment.

**FAMILY AND CONSUMER SCIENCE**

## FACS I – Introduction to Family and Consumer Sciences (can be taken by semester)

**Course Key:** 16040A/B **State Course ID#:** 22201A001**Grade Level:** 9-12 **Length:** 1 year / 1 credit **Prerequisite:** None

This course introduces students to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills.

## FACS II – Child Nutrition &amp; Development (can be taken by semester)

**Course Key:** 16041A/B **State Course ID#:** 16054A001**Grade Level:** 10-12 **Length:** 1 year / 1 credit **Prerequisite:** None

An intermediate course that includes classroom and lab experiences needed to develop knowledge and understanding of food principles and nutrition. It emphasizes nutrition, sanitation, advanced food preparation techniques, careers, and use and care of equipment. Emphasis is also placed on learning experiences, which will help students gain knowledge and understanding of the intellectual, physical, moral, social and emotional development of children from toddler through 6 years. Student observations and lab experiences with young children are part of the course. This course is a good choice for anyone interested in a career that involves working with children.

Family and Consumer Sciences - FACS III – *Not currently offered***Course Key:** 16042A/B **State Course ID#:** 16042A002**Grade Level:** 10-12 **Length:** 1 year / 1 credit**Prerequisite:** FACS I or FACS IIAdvanced Nutrition and Foods - 1 semester

This foods course specializes in nutrition, advanced food preparation skills and entrepreneurship. Students apply this knowledge through the operation of a small foods business. Foreign foods, etiquette, and menu planning are included. This course offers opportunities in leadership, organizational and creative skills.

Living Environments - 1 semester

Many field trips and lab experiences allow students to gain knowledge in housing and furniture design, floor plans, interior design, etc. Students engage in numerous "hands on" projects, including extensive computer use.

## Adult Living

**Course Key:** 16043A **State Course ID#:** 22207A001**Grade Level:** 11-12 **Length:** 1 year / 1 credit **Prerequisite:** None

Topics discussed include inter-personal and family relationships. This includes the study of heredity, values, problem solving, decision making, marriage roles, wedding costs, successful marriage, and divorce.

## Parenting

**Course Key:** 16043B **State Course ID#:** 22204A001**Grade Level:** 11-12 **Length:** 1 year / 1 credit **Prerequisite:** None

Responsibilities of parenthood and alternative ways of meeting the needs of children and parents will be the focus. Adolescent pregnancies, birth defects, adoption, interactions between children and family members, and the availability of community and social services are all vital topics covered in the course. Students will have the opportunity to carry computerized babies to simulate the demands of parenthood.

## FINE ARTS

### Basic Design

**Course Key:** 05144A/B    **State Course ID#:** 05154A000

**Grade Level:** 9-12    **Length:** 1 year / 1 credit    **Prerequisite:** Junior High Art

Course provides students with an introduction to the techniques, materials and terminology used in creating works of art. The design elements and principles will be discussed and developed within each piece of art created. Students will have the opportunity to explore art forms both two and three dimensional. This course provides a discussion and exploration of career opportunities in the art world. As students advance and become more adept, the instruction regarding the creative process becomes more refined and students are encouraged to develop their own artistic style. Course also includes the study of major artist, art movements and styles. This course is for the student who want to explore their potential. Many areas of art will be explored including drawing, painting, ceramics and sculpture.

### Drawing 101

**Course Key:** 05156    **State Course ID#:** 05156A000

**Grade Level:** 9-12    **Length:** 1 semester / ½ credit    **Prerequisite:** None

This course emphasizes drawing not only as an art form and means of personal expression, but also as a way to increase visual literacy; understanding what and how we see. This course covers the design elements as they relate to drawing and includes history study of visual communication. Visual observation, variety of media skills and creative uses of drawing are stressed. Course provides students with an introduction to the techniques, materials and terminology used in drawing. Various drawing medias will be introduced. Sketchbooks will be used to practice drawing skills and develop ideas. This course is repeatable for credit.

### Graphic Design

**Course Key:** 05162A    **State Course ID#:** 10202A001

**Grade Level:** 9-12    **Length:** 1 semester / ½ credit    **Prerequisite:** None

This course will introduce students to the new digital toolsets available to the 21st century learner and media artist. To be a successful photographer and graphic/web designer requires knowledge and skills in drawing, design, typography, illustration and technical production. Photography will be introduced to teach the basic use of a digital camera, editing software and layout. The use of software, Gimp 2.8 will be introduced and developed to create various projects. Ability to work independently is a requirement.

### Painting 101

**Course Key:** 05157    **State Course ID#:** 05157A000

**Grade Level:** 9-12    **Length:** 1 semester / ½ credit    **Prerequisite:** None

This course familiarizes students with various painting media, skills and techniques. Students will work in watercolor, tempera, acrylic, and gouache. The historical significance of artist will be studied to provide a context for understanding various styles and movements in artworks. In applications including sketchbook assignments and studio work, students will demonstrate understanding of the visual language of painting. This course is repeatable for credit.

### Sculpture & Ceramics

**Course Key:** 05158    **State Course ID#:** 05158A000

**Grade Level:** 9-12    **Length:** 1 semester / ½ credit    **Prerequisite:** None

This course teaches the skills and processes involved in sculpture and ceramics. Using clay, glazes, plaster, wood, wire, found objects, etc., students will work in three dimensions of various hand building techniques, carving, modeling, assembling and work on the potter's wheel. Students are able to focus on technical, historical and aesthetic qualities as they develop their own personal and artistic ways of working. Sketchbooks will be used to document and develop ideas. This course is repeatable for credit.

### Studio Art

**Course Key:** 05166    **State Course ID#:** 05154A000

**Grade Level:** 9-12    **Length:** 1 year / 1 credit    **Prerequisite:** 4 previous semesters of Art and teacher consent

This course is designed for the serious art student who has completed 4 semesters of art courses. Course will include an exploration of the techniques, media and subject matter in various movements and styles. The student will be able to incorporate skills and techniques that reflect a study of art that spans cultural and historical viewpoints. Students are encouraged to share ideas, work methods and opinions to show a fundamental vocabulary and competence in techniques. A portfolio will be started and added to throughout the year to be used as an evaluation/reflective tool at the end of the year. Sketchbooks will be used to practice drawing skills and develop ideas. This course is repeatable for credit.

## Yearbook

**Course Key:** 05163B      **State Course ID#:** 11104A000  
**Grade Level:** 9-12      **Length:** 1 semester / ½ credit      **Prerequisite:** None

This course will methodically integrate research, writing, and desktop publishing, editing, selling and critiquing skills to collaboratively produce the Paw Print yearbook. The ability to meet deadlines is a requirement. Anyone that is not enrolled in this course may serve on the staff in an extra-curricular capacity upon approval of the advisor. This course is repeatable for credit.

## Band

**Course Key:** 05101A/B      **State Course ID#:** 05101A000  
**Grade Level:** 9-12      **Length:** 1 year / 1 credit      **Prerequisite:** None

Band is for one academic credit. Band meets daily. Students are required to play an instrument or percussion. The fall semester consists of marching band, pep band, and concert band rehearsals. The spring semester involves concert band, pep band, solos and ensembles, and marching in the late spring. Students are required to take chair tests, participate in solo and ensemble contest, attend all concerts, and play for sporting events. There is a \$40.00 fee for the rental of school instruments. Grades are based on participation and effort.

## Jazz Band

**Course Key:** 05105A/B      **State Course ID#:** 05105A  
**Grade Level:** 9-12      **Length:** 1 year / ½ credit  
**Prerequisite:** Must be a band student or have permission of the director

Jazz band is a half credit course. Jazz Band meets Tuesday and Thursday at 7:05-7:55 AM. It is open to any student interested in jazz music. The jazz band performs at all concerts, performs at numerous churches around the area, and plays for community events and Cabaret. The Eastland Jazz Band is an active group of dedicated students.

## Morning Chorus

**Course Key:** 05111A/B      **State Course ID#:** 05110A000  
**Grade Level:** 9-12      **Length:** 1 year / ½ credit      **Prerequisite:** None

Morning Chorus receives ½ credit for the year. Morning chorus meets Monday, Wednesday and Friday mornings at 7:05-7:55 AM. The morning chorus is for students who do not have time for chorus during the day. The chorus performs for all concerts, attends solo and ensemble contest and occasionally sings the National Anthem at sporting events. The morning chorus and chorus class are combined during Learning Lab before concerts and contests.

## Chorus

**Course Key:** 05110A/B      **State Course ID#:** 05110A000  
**Grade Level:** 9-12      **Length:** 1 year / 1 credit      **Prerequisite:** None

Chorus receives one academic credit. Chorus also meets during the activity period for non-credit. The chorus performs for all concerts, attends solo and ensemble contest and occasionally sings the National Anthem for sporting events. The morning chorus and chorus class are combined during Learning Lab before concerts and contests. The chorus is open to any student who wishes to sing and participate in a musical group.

## Private Lessons

**Course Key:** N/A      **State Course ID#:** N/A  
**Grade Level:** 9-12      **Length:** 1 year / no credit      **Prerequisite:** None

Students may take private lessons once a week during their study hall if the band/choral instructor has time available. The lessons may include band instruments, percussion, or vocal performance. Anyone wishing to audition for IMEA or solo and ensemble contest should consider taking private lessons.

## FOREIGN LANGUAGE

## Spanish I

**Course Key:** 06101A/B      **State Course ID#:** 06101A000  
**Grade Level:** 9-12      **Length:** 1 year / 1 credit      **Prerequisite:** None

The Level One course begins the process of communicating as a novice speaker. Proficiency-based instruction is aimed at using the language appropriately in real-life situations underscoring the importance of both knowledge and performance. The cultural aspect of Spanish speaking countries plays an important role as well. Students practice listening, speaking, reading, and writing Spanish as they purposefully communicate with the language.

## Spanish II

**Course Key:** 06102A/B **State Course ID#:** 06102A000

**Grade Level:** 10-12 **Length:** 1 year / 1 credit

**Prerequisite:** Spanish I

This Level One course continues the natural language progression by building the communicative skills of novice/beginning intermediate speakers. Themes, topics, situations and activities give students functional use of Spanish in real-life contexts. The ways people from different Spanish speaking countries use the language is extensively explored at this level. Skill development occurs because students have continued exposure to communicative opportunities.

## Spanish III

**Course Key:** 06103A/B **State Course ID#:** 06103A000

**Grade Level:** 11-12 **Length:** 1 year / 1 credit

**Prerequisite:** Spanish II

This Level Two course focuses on allowing students to acquire the characteristics of a beginning intermediate speaker. Abundant and varied opportunities to develop intermediate level proficiency in listening, reading, speaking, and writing are provided. At this level, students are encouraged to expand their knowledge by utilizing different ways to debate topics. This can lead to functioning in survival situations, being creative with the language, and transferring learned material to new contexts.

## Spanish IV

**Course Key:** 06104A/B **State Course ID#:** 06104A000

**Grade Level:** 12 **Length:** 1 year / 1 credit

**Prerequisite:** Spanish III

Since developing proficiency takes time, this Level Three course aims to reinforce and expand the communicative skills of an intermediate/advanced intermediate speaker. As students' communicative needs and abilities grow, grammar and vocabulary items are re-entered, additional applications are provided and more vocabulary and in-depth grammar explanations are added. At this level, students are required to write mini papers in Spanish and to extensively analyze readings in Spanish.

## MATHEMATICS

## Algebra I

**Course Key:** 02052A/B **State Course ID#:** 02052A000

**Grade Level:** 9 **Length:** 1 year / 1 credit

**Prerequisite:** Placement based on test scores and teacher /administrator recommendation

The students will study the following topics as well as problem solving and real-life application: integers and rational numbers, graphing and solving equations, solving linear inequalities, exponents and powers, polynomials and factoring, systems of equations, absolute value, rational expressions and equations, radical expressions and equations, functions and graphs, and quadratic equations.

## Algebra I-B

**Course Key:** 02051A/B **State Course ID#:** 02052A000

**Grade Level:** 9 **Length:** 1 year / 1 credit

**Prerequisite:** Placement based on test scores and teacher /administrator recommendation

This course will study the basic topics of Algebra including basic operations and Algebra, solving equations, real numbers, formulas, polynomials, factoring, graphs, solving systems of equations, decimals and percents, radicals, and quadratic equations.

## Geometry

**Course Key:** 02072A/B **State Course ID#:** 02072A000

**Grade Level:** 10 **Length:** 1 year / 1 credit

**Prerequisite:** Algebra I and recommendation

The students will study the following topics as well as problem solving, real-life application, and proofs: deductive reasoning, parallel lines and planes, congruent triangles, coordinate geometry, quadrilaterals, inequalities, similarity, right triangles, circles, constructions and locus, area, volume, and composition and symmetry.

## Geometry-B

**Course Key:** 02071A/B **State Course ID#:** 02072A000

**Grade Level:** 10 **Length:** 1 year / 1 credit

**Prerequisite:** Algebra I and recommendation

The students will study the basic topics of Geometry including points, lines and angles; proofs; triangles; polygons; area; ration and proportion; similar polygons; circles; area and volume of solids; and coordinate geometry.

## Algebra II

**Course Key:** 02056A/B **State Course ID#:** 02056A000

**Grade Level:** 10 -11 **Length:** 1 year / 1 credit

**Prerequisite:** Geometry and recommendation

Students will graph linear and quadratic relations, solve two linear equations in two variables, use the four operations on polynomial expressions, factor polynomials, use zero, negative, and fractional exponents, solve equations involving radicals and/or irrational numbers, memorize and then use the quadratic formula.

## Algebra II-B

**Course Key:** 02055A/B **State Course ID#:** 02056A000

**Grade Level:** 11-12 **Length:** 1 year / 1 credit

**Prerequisite:** Geometry and recommendation

Students will study real number systems, exponents and radicals, equations and inequalities, polynomials, factoring, rational expressions and equations, and graphing.

## Math Concepts

**Course Key:** 02049A/B **State Course ID#:** 02049A000

**Grade Level:** 11-12 **Length:** 1 year / 1 credit

**Prerequisite:** Teacher/admin recommendation

This course focuses on the review of algebra and geometry concepts, hands-on learning, and preparation for the Prairie State Achievement Examination. Students will review geometry skills, polygons and circles, surface area and volume, rational numbers, solving equations, using formulas, patterns and functions, graphing, statistics and probability, measurement, ratios, proportions, and percents. Computer-generated instruction may be used to assist students in accomplishing these objectives.

## Math for the Trades

**Course Key:** **State Course ID#:**

**Grade Level:** 11-12 **Length:** 1 year / 1 credit

**Prerequisite:** Geometry-B/Algebra II-B

This course will provide practical applications for careers such as agriculture, nursing, welding, and construction work. It will cover the basics of accounting, financial planning, and making a budget. It will also enable students to go through the process of designing and building a house by applying mathematical concepts such as area, perimeter, volume, Pythagorean Theorem, unit conversion, and equations. This course is intended for students who will go directly into the work force or plan to attend a trade school / community college after high school.

## Advanced Algebra with Trigonometry

**Course Key:** 02057A/B **State Course ID#:** 02057A000

**Grade Level:** 12 **Length:** 1 year/1 credit **Prerequisite:** Algebra II and recommendation.

This course is intended for the student bound for college, tech. school, or apprenticeship. Topics include conics (equations, graphs, and translations), polynomial functions, graphs of functions, series and sequences, matrices and determinants, trigonometry, logarithms, and exponents.

## Statistics &amp; Probability

**Course Key:** 02201A/B **State Course ID#:** 02201A000

**Grade Level:** 11 or 12 **Length:** 1 year/1 credit **Prerequisite:** Algebra II

This is an introductory-level statistics course designed to introduce the study of likely events and the analysis, interpretations, and presentations of quantitative data. Course topics include normal distribution and measures of variability, sampling and designing experiments, probability theory, odds and probabilities, probability trees, populations and samples, and measures of central tendency.

## Pre-Calculus / Trigonometry

**Course Key:** 02110A/B **State Course ID#:** 02011A000

**Grade Level:** 11-12 **Length:** 1 year / 1 credit **Prerequisite:** Algebra II and recommendation

Students will study quadratic equations, complex numbers, quadratic functions and transformations, conic sections, trigonometric functions, trigonometric identities and equations, exponential and logarithmic functions, matrices and determinants.

## AP Calculus

**Course Key:** 02124A/B **State Course ID#:** 02124A000

**Grade Level:** 12 **Length:** 1 year / 1 credit **Prerequisite:** PreCalculus and recommendation

This course is equivalent to an introductory level university calculus course. Throughout this course, students will develop an understanding of the concepts of calculus and experience its methods and applications. The broad topics in the course include, but are not limited to, the following: derivatives, definite and indefinite integrals, limits, and approximations.

## PHYSICAL EDUCATION AND HEALTH

### Physical Education

**Course Key:** 08001A/B    **State Course ID#:** 08001A000  
**Grade Level:** 9-12    **Length:** 1 year / 1 credit    **Prerequisite:** none

This course provides a variety of physical activities for all students. Activities included are individual sports, team sports, physical fitness, team building, leisure time activities, and several forms of dance. Physical Education requires that all students dress daily for class with (Eastland Physical Education: t-shirts and shorts) these can be purchased from the high school office.

### Conditioning and Fitness

**Course Key:** 08005A/B    **State Course ID#:** 08005A000  
**Grade Level:** 9-12    **Length:** 1 year / 1 credit    **Prerequisite:** none

This course is designed for students who are interested in taking advantage of the fitness room to improve strength, flexibility, cardiovascular fitness and to educate themselves on the role of nutrition in the quest to be fit. Students will learn about a variety of fitness components, as well as the advantages and importance of each component. They will be monitored for progress, educated about the importance of maintaining a certain level of fitness, and work towards developing life-long fitness skills. Students' own goals will also be taken into consideration and fitness plans may be developed in response to these goals and individual needs.

### Health

**Course Key:** 08051    **State Course ID#:** 08051A000  
**Grade Level:** 9    **Length:** 1 semester / ½ credit    **Prerequisite:** none

This one semester course covers basic information in a wide variety of areas concerning a person's health. Topics include goal setting, decision making, motivation, mental health, drug education, sexuality, physical health, diseases and first aid.

## SCIENCE

### Physics 1<sup>st</sup>

**Course Key:** 03161A/B    **State Course ID#:** 03161A000  
**Grade Level:** 9-10    **Length:** 1 year/1 credit    **Prerequisite:** None

This course is an introductory Physics class using a general math emphasis in solving problems dealing with motion, energy, electricity & magnetism, and heat. A modeling approach will be used to explain solutions with graphing, curve fitting, linear equations, verbal and visual presentations.

### Biology I

**Course Key:** 03051A/B    **State Course ID#:** 03051A000  
**Grade Level:** 9-12    **Length:** 1 year / 1 credit    **Prerequisite:** None

Topics covered include the scientific method, use of the microscope and basic Chemistry and its use in Biology. Cell Biology is a major theme. This includes cell structure, homeostasis, photosynthesis, respiration, and the role of DNA in protein manufacture and cell division. Biology I ends with an extensive unit in Mendelian genetics.

### Biology II

**Course Key:** 03052A/B    **State Course ID#:** 03052A000  
**Grade Level:** 10-12    **Length:** 1 year / 1 credit    **Prerequisite:** Biology I

First semester is a continuation of genetics expanding on what is learned in Biology I. This also includes a unit on biotechnology in which students learn electrophoresis and analysis of human diseases. Second semester includes topics in classification, microbiology, evolution, viruses, bacteria, and protozoa.

### Advanced Placement (AP) Biology

**Course Key:**    **State Course ID#:**  
**Grade Level:** 11-12    **Length:** 1 year / 1 credit    **Prerequisite:** Biology I and teacher recommendation

This course is an introductory college-level biology course. Students will cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes-energy and communication, genetics, information transfer, ecology, and interactions. Students will take Advanced Placement test in May.

## Human Physiology

**Course Key:** 03159A/B **State Course ID#:** 03053A000**Grade Level:** 12 **Length:** 1 year / 1 credit **Prerequisite:** Biology I

This course cover the material covered by a first semester A&P course at a college or junior college. The topics of study are: Organization of the body, chemical basis of life, Cells, Tissues, Skin, Skeletal System, Articulations, Muscular System, Nervous System, Sense Organs, Blood, and Cardiovascular System. Students are in a lecture based setting for three of five week days and spend two days in lab on average. Tests can be in class or take-home. Coloring sheets are assigned to study and learn the anatomy of the body. Labs performed by the student include: Slide preparation - blood slide - cheek cell slide, Microscope use, Cow bones dissection, Gross anatomy markings on human body, Disarticulated skeletal identification, Chicken muscle dissection, Gross anatomy identification of muscles, Muscle Physiology Lab-fatigue and contraction, Dissection of sheep brain and spinal cord, Dissection of cow eye, Physiology of human eye, EKG lab. The students also have the chance to study real human cadaver organs including: heart, lungs, kidneys, brain, and bladder.

## Chemistry I

**Course Key:** 03101A/B **State Course ID#:** 03101A000**Grade Level:** 10-12 **Length:** 1 year / 1 credit **Prerequisite:** Algebra and Biology I

The course begins with the study of the structure of atoms and molecules. Properties of gases, liquids and solids are covered, as well as properties and measurements of solutions. Acids, bases and detailed study of chemical reactions complete the course. This course meets daily, including a double period twice a week for the purpose of lab, problem sessions or testing.

## AP Chemistry

**Course Key:** 03102A/B **State Course ID#:** 03102A000**Grade Level:** 11-12 **Length:** 1 year / 1 credit **Prerequisite:** Chemistry I & teacher approval

AP Chemistry is designed to help students develop their skills in logic, critical thinking, written and oral communication, with a strong emphasis on applications of math and problem solving. The students will focus on adding greater depth of understanding to concepts such as atomic structure, bonding, and chemical equations. The students will also be introduced to concepts such as thermodynamics, electrochemistry, and equilibrium.

## Physics

**Course Key:** 03151A/B **State Course ID#:** 03151A000**Grade Level:** 11-12 **Length:** 1 year / 1 credit **Prerequisite:** Algebra II

A study of mechanics (force and motion), energy transformations, thermal effects and heat, electrostatics, direct current circuits, heating and chemical effects, and atomic and nuclear reactions. An in depth study of the above topics involves the use of modeling methods and scientific and mathematical formulas. Use of the calculator is encouraged as well as computer aided instruction. Any student considering an engineering or science oriented career should enroll in physics.

## SOCIAL SCIENCE

## Ancient and Medieval History

**Course Key:** 04060A/B **State Course ID#:** 04060A000**Grade Level:** 9-12 **Length:** 1 year / 1 credit **Prerequisite:** None

Ancient and Medieval History combines a study of ancient civilizations and Medieval Europe, beginning with the civilizations of the ancient Middle East and continuing through the late Middle Ages in Europe.

## Modern World History

**Course Key:** 04053A/B **State Course ID#:** 04053A000**Grade Level:** 9-12 **Length:** 1 year / 1 credit **Prerequisite:** None

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

## World Geography

**Course Key:** 04001A/B **State Course ID#:** 04001A000**Grade Level:** 9-12 **Length:** 1 year / 1 credit **Prerequisite:** None

This course introduces the student to the basic geographical concepts. The fall semester focuses on the general concepts of reading maps, understanding time zones, and learning the five Themes of Geography. It also reviews the

water, wind, and earth cycles, issues that are developing in our world today, and finishes with a look at the Americas. The spring semester consists of looking at Europe, Asia, Africa, and Antarctica through the studying of maps (physical and political), cultures, and major world events.

#### U.S. History (Required unless in AP US History)

**Course Key:** 04101A/B    **State Course ID#:** 04101A000

**Grade Level:** 11    **Length:** 1 year / 1 credit    **Prerequisite:** None

This course studies to establish an understanding and appreciation of our nation's past and our country's development, grasp the meaning of the present by its relation to the past, and act as a guide to aid the establishment of wise citizenship.

#### Advanced Placement (AP) US History

**Course Key:**    **State Course ID#:**

**Grade Level:** 11    **Length:** 1 year / 1 credit    **Prerequisite:** None

This course will focus on developing students' abilities to think conceptually about U.S. History from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Students will use historical inquiry for investigation throughout the course. Students will learn how to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. Students will take the Advanced Placement exam in May.

#### World Contemporary Issues

**Course Key:** 04064    **State Course ID#:** 04064A000

**Grade Level:** 11-12    **Length:** 1 semester / ½ credit    **Prerequisite:** None

Contemporary World Issues will provide the student with a better understanding of local, county, state, and national and international happenings. This course will investigate world issues through classroom debates, discussions, current events, and research projects. This course will help students to understand the complexity of the world around them, while trying to discover ways to improve or correct these issues that affect not only the student, but also the entire world around them.

#### Civics (Required)

**Course Key:** 04161    **State Course ID#:** 04161A000

**Grade Level:** 12    **Length:** 1 Semester / ½ credit    **Prerequisite:** Required for All Seniors

This course studies the basic principles, structure, and operation of national, state, and local government. It also discusses participation in the political system, policy making, and contrasting economic and political systems. The State of Illinois and Eastland Board of Education requires a student to pass a test or tests on the Illinois Constitution and the U.S. Constitution in order to meet graduation requirements. Successful completion of tests covering the U.S. and Illinois Constitutions with a grade of C or better will meet the graduation requirement.

#### Sociology

**Course Key:** 04258    **State Course ID#:** 04258A000

**Grade Level:** 11-12    **Length:** 1 Semester / ½ credit    **Prerequisite:** none

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

## DRIVER EDUCATION

#### Driver Education

**Course Key:** 08152A/B    **State Course ID#:** 08152A000

**Grade Level:** 9-12    **Length:** 1 semester / no credit

**Prerequisite:** All students participating in Driver Education must be at least 15 years old

**Description:** Successful completion of this course, or a similar one, is mandatory for any student desiring to obtain their driving license before their eighteenth birthday. The course follows state guidelines that require 30 hours of classroom instruction along with 6 hours of behind-the-wheel instruction, in addition to 50 hours of driving with a parent or guardian. Information covered includes Illinois traffic law, mechanical aspects of an automobile, the safe handling and maneuvering of an automobile, and safety awareness, including hazard evasion, in an automobile. Students cannot miss class more than two times. A \$50.00 participation fee is required from every student.

## 2016-2017 Whiteside Area Career Center Course Descriptions

Any student wishing to enroll at WACC must be registered at one of the fifteen member high schools, must be 16 years of age, and must have junior or senior status as his or her high school.

**Prerequisites:** Several WACC courses list prerequisites that students must meet in order to enroll in the program

**Recommended Student Criteria:** All WACC programs have required lab work that is a critical component of student learning and student assessment. A school wishing to enroll a student who does not meet the recommended criteria for a WACC program must participate in a scheduled meeting with WACC staff to discuss student accommodations prior to the student's enrollment.

### **Allied Health**

One-year program offered to junior and senior students that are interested in pursuing a career in various medical fields. Students are in the classroom three days per week and at clinical sites two days per week. Students participate in one to four clinical sites throughout the school year. Clinical sites include, but are not limited to, hospitals, clinics, long-term care facilities, chiropractors, veterinary clinics, physical therapists, etc. Students can practice in different areas of the medical field, such as Maternal-Child Nursing, Geriatrics, Emergency Nursing, Radiology, Dental Medicine, Veterinary Science, and more.

***5 Dual Credits with SVCC: 3 credits for Medical Terminology (NRS116), 2 credits for Pharmacology for Non-Licensed Personnel (VOC176)***

**Prerequisites:** A student must complete the application paperwork. Students will be required to participate in an internship two days per week throughout the school year. Therefore, a student who enrolls in Allied Health must be able to transport him or herself to various internship sites.

### **Auto Service**

One- or two-year program offered to junior and senior students. First year students will be building basic repair skills such as lubrication, brakes, engine tune up, suspension, fuel injection, computer controls, electrical systems, exhaust systems, transmissions and clutches, cooling systems, and heating and air conditioning. Second year students will learn differential operation, engine diagnostics, and qualifying students can participate in work-based learning at various job sites in order to gain real world work experiences while going to school.

***2 Dual Credits with Highland Community College in AUTM 138***

**Prerequisites:** Students who enroll in Auto Service II will either participate in an internship two to three days per week, or will perform an internship at WACC in the WACC Automotive shop that will require working on customers' vehicles. Any student enrolled in Auto Service II must have a valid Illinois Driver's license.

**Recommended Student Criteria:** Students enrolled in Auto Services will be required to work in an automotive shop approximately 70% of the time while at WACC. Students should be able to lift both arms above his or her head, lift 40 pounds, and be able to lower him or herself to the ground to work under a vehicle.

### **Building & Construction Trades**

One- or two-year program offered to junior and senior students. This course provides experiences related to the construction and maintenance of residential buildings and related fixtures. During the year, students will spend 85% of their time at a job site constructing or remodeling a residential house. The other 15% of the time students will be in the classroom. Instruction will include safety principles, framing, plumbing, wiring, roofing, installing insulation, dry wall, painting, pouring concrete, landscaping, estimating materials, blueprint reading, hanging cabinets, siding, hanging doors, heating and air conditioning, masonry, and finish work. Second year students are provided the opportunity to advance their skills in the construction trades.

***6 Dual Credits with Highland Community College: 3 credits for MTEC 240 and 3 credits for MTEC 245.***

**Recommended Student Criteria:** Students enrolled in Building Trades will be involved in constructing or remodeling a house, and will perform work at the job site approximately 85% of the time while at WACC. Students should be able to climb an eight foot step ladder, stand for an hour and thirty minutes, and have the strength and mobility to operate various power tools, such as nail guns, power saws, power drills, etc.

### **CEO (Creating Entrepreneurial Opportunities)**

One year course offered to a junior or senior student that acquaints students with the knowledge and skills necessary to own and operate their own businesses. Concepts such as supply and demand, cost/benefit analysis, competitive advantages, and

opportunity recognition are covered. Coursework includes innovative thinking strategies, product development, business structure, marketing, financial strategies, record keeping, and preparing an income statement, balance sheet, income and cash flow statements. Entrepreneurial thinking (out-of-the box problem solving) is utilized throughout the course. This course will take place in area businesses, and will include tours of local industry and guest speaker from all areas of business. **No dual credit available.**

**Prerequisites:** All students interested in enrolling in the WACC CEO class must complete an application available through his/her school counselor. Students will be selected by the CEO Advisory Board. Students who are selected to enroll in the CEO class must provide his or her own transportation to and from the various class meeting sites.

### **Computer Technology**

Computer Technology is a one- or two-year program open to juniors and seniors who want to work with repair, networking, programming, web and application development of computers and portable devices. The latest methods of networking, configuring operating systems, programming, and web and application development will be covered in the class. Qualified students will acquire the skills to potentially pass the Testout PC Pro, Network Pro, ComTIA A+ and Network certifications. In addition, the course introduces students to the formal concepts of object-oriented computer programming, including program design, control structures, data structures and algorithms using the Java and other programming languages. Second year students will continue with advanced topics and could involve possible internship opportunities to qualified students.

**5 Dual Credits with SVCC: 3 credits for CIS 167 and 2 credits for CIS 151. Dual credits pending for 2<sup>nd</sup> year students.**

**Recommended Student Criteria:** Students enrolled in Computer Technology will be required to sit at a desk for an hour and forty-five minutes, walk, stand, stoop, kneel, crouch and reach while performing typical computer repair work; use hands to finger, have hand-eye coordination; handle or feel objects, tools or controls; lift and/or move objects and materials of up to 50 pounds in weight.

### **Cosmetology**

This program is open to seniors. Students will explore several aspects of cosmetology. The curriculum includes but is not limited to: theory and practice hours in hair, nails, skin, business basics and effective communication. This course takes place at Educators of Beauty. After completing this part time program, students will earn up to 350 of the 1500 hours necessary to complete the program. Financial incentives are available for students who chose to return to Educators of Beauty upon graduation.

### **Criminal Justice**

One year program designed to train students in various aspects of law enforcement, criminal justice, and the legal system. Students will receive instruction in skills needed for careers in associated fields; e.g. police officers, prosecuting and defense attorneys, probation and parole officers, crime scene investigators, correctional officers, etc. Major objectives of the program include: history of law enforcement, constitutional law, Illinois law, courts and the legal system, communication and dispatch operations, report writing and records, criminal investigations, search and seizure, community relations, patrol functions, traffic investigations, corrections, private security operations, criminology, and other related areas. Role play scenarios are used to enhance the student's learning experiences and provide an introduction to practical experiences which might be expected in the field.

**6 Articulated Credits with SVCC: 3 credits for CJS 101 and 3 credits for CJS 232.**

**Recommended Student Criteria:** Students enrolled in the Criminal Justice program will participate in active, police scenarios. These scenarios include, but are not limited to the following physical activity; dragging a 150 pound person 10 feet, firing air guns, combat drills, and restraining potential suspects. Students should be able to pick up and carry objects weighing 25 pounds.

### **Culinary Arts**

One- or two-year program open to juniors and seniors. Students explore Culinary Arts, preparing food for a large number of consumers, and catering. Occupational skills taught include care and use of commercial equipment, food preparation, customer service, management, and nutrition. Students in this program will receive weekly hands-on experience in the WACC commercial kitchen and provide food services for the public. Food Service Sanitation Management Certification will be offered.

**No dual credit available.**

**Recommended Student Criteria:** Students enrolled in Commercial Food Service will be required to work in a commercial kitchen approximately 70% of the time while at WACC. Students should be able to stand for an hour and forty-five minutes, lift 20 pounds, and have the ability to safely work around hot items, such as stoves, ovens and deep-fryers.

### **Digital Media Arts**

One- or two-year program offered to juniors and seniors. The classes are for visual and creative thinkers as well as computer geeks interested in cutting edge digital and media arts. The program offers the latest trends, techniques and technologies in the ever-evolving multimedia field. The wide variety of the curriculum provides opportunities to build skills for future success in careers as an illustrator, desktop publisher, photographer, graphic artist, digital video editor, studio staging director, film maker, computer animator, sound engineer, camera operator, web designer or other positions in the exciting and growing recording, entertainment and digital media arts and communications field. Students work at their own pace and get “hands-on” experience using state-of-the-art software, cameras, lighting, special effects, sound and broadcasting equipment. All classes begin each fall and spring semester and students take two classes per semester. Students completing a selection of eight classes (the equivalent of two years at WACC), will receive a Certificate in Graphic Design from Sauk Valley Community College. Students not able to complete the certificate requirements while attending WACC are invited to enroll at Sauk Valley Community College after high school to finish the certificate requirements if they so choose. Qualifying WACC students may earn up to 24 college credits taking the Digital Media Arts class.

**27 Dual Credits with SVCC: ART 100-Media Arts, ART 103-Digital Photography, ART 105-Motion Graphics, ART 107-Digital Drawing, ART 230-Graphic Design I, ART 231 – Graphic Design II, ART 236-Film and Video, ART 237-Image and Sound Recording, ART 238-Interactive Media Design, ART 299-Topics and Issues (3 credits per course = 27 total credits offered)**

### **Early Childhood Education**

One- or two-year program offered to junior and senior students. The courses include a study of growth and development; early childhood learning theories; types of early childhood programs; teaching methods and procedures; the role of the child care professional; and working with young children with special needs. This program provides preparation and a practicum for students interested in a variety of educational fields, such as; preschool teachers, teacher’s aides, elementary teachers, speech/pathology teachers, and social workers. First year students will work on a weekly basis with children at our on-site laboratory called “Kiddie Kampus Preschool”. Second year students will work with a cooperating teacher at a work-based learning site for three days a week during both semesters of the school year. This work-based learning site could be a daycare center, preschool program, elementary school, or a location specific to a students’ career interest. (i.e.: special education, speech teacher, social worker)

***Students may earn a Level 1 Gateways Certificate upon successful completion of the course.***

**Recommended Student Criteria:** Students enrolled in Early Childhood Education will be required to work in the WACC preschool with young children ages three to five years old. Students should be able to sit on the floor with the preschool children, have the dexterity to perform crafts with the children, and have the strength to restrain a child if needed for the child’s safety. (For example, prevent a child from running out the door.) Students should not have a history of violent behavior. Students should have the maturity and aptitude to work with young children. For example, a student who could not be recommended for a babysitting job should not be recommended for Early Childhood Education.

### **Health Occupations-CNA**

One-year program offered to junior and senior students that are interested in pursuing a career in the medical field. Upon completion of the Illinois Department of Public Health (IDPH) requirements, the students will be eligible to take the State Certified Nursing Assistant exam at the end of the school year. The students must meet the following criteria to be successful in Health Occupations: 1) Achieve a C or better each quarter throughout the year on the coursework, 2) Be competent at the 21 skills in the laboratory and at the clinical site, 3) Have excellent attendance throughout the school year, and 4) Pass the criminal background check. Students must have an outstanding work ethic, be self-motivated, and take initiative to be successful in Health Occupations. Students will spend 40 hours at clinical sites while at WACC.

**8 Dual Credits with SVCC: 4 credits for NRS101, 4 credits for NRS103.**

**Prerequisites:** The Health Occupations program prepares students to become a Certified Nurse’s Assistant. This is a state regulated program that requires students to spend 80 hours of theory and 40 hours clinical time working with patients. Students must have updated immunizations, TB test, and possibly flu shots if required by the clinical site. Student must be able to lift 25 pounds as it is a state mandated CNA skill to perform a two person lift on residents who are 119 pounds or less.

### Welding and Manufacturing Technology

One- or two-year program offered to junior and senior students. Welding, machining, and CAD principles will be taught through hands-on experiences. Topics include:

- Welding processes - (Stick, Oxyacetylene, Mig, Tig, Plasma cutting, and OAW cutting),
- Machine operations – (Lathes, Mills, Grinders, Shear, Pipe cutters, etc.)
- AutoCAD - Computer aided drafting program Blueprint reading

The second year will provide the students with the opportunity to obtain advanced training on components of welding and metal fabrication.

- Welding processes – (Structural welds, Pipe welds, Flux cored welding)
- Machine operations – (CNC and manual Machining)
- Inventor - Computer aided drafting program
- Product design and development
- Internship

**2 Dual Credits with SVCC: WELD 106; 3 credits with HCC: DRAF 105, and 3 credits for MTEC151 for Welding 2 students**

**Recommended Student Criteria:** Students enrolled in Welding and Manufacturing Technology will be required to work in a machine/welding shop approximately 75% of the time while at WACC. Students must be able to work in the confines of a welding booth (3'x 4'), have the ability to lift 40 pounds, must be able to stand for an hour and forty-five minutes, and must have the strength and mobility to operate machines such as lathes, grinders, and welding torches.

**Prerequisites:** Welding 2 students will be required to participate in an internship four days per week during second semester. Therefore, students that enroll in Welding 2 must be able to transport him or herself to various internship sites.

**FOUR YEAR PLAN**

This is for the student and parent to use as a reference when selecting courses to prepare for future plans. *Not all classes will be available to every student each year.*

**Career Goal:** \_\_\_\_\_

**Career Cluster:** \_\_\_\_\_

**Ninth Grade**

**Tenth Grade**

First Semester

Second Semester

First Semester

Second Semester

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_

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- \_\_\_\_\_
- \_\_\_\_\_

Total Credits \_\_\_\_\_

Total Credits \_\_\_\_\_

**Eleventh Grade**

**Twelfth Grade**

First Semester

Second Semester

First Semester

Second Semester

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
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Total Credits \_\_\_\_\_

Total Credits \_\_\_\_\_

### PROMOTION AND RETENTION

The decision to promote students to the next grade level shall be based upon successful completion of that grade level. Any subject that meets daily for the school year will count as a subject failed if their final grade is “F”. This includes Phys Ed., Literature, Language, Math, Science, and Social Studies. Two failed subjects in a year will result in retention. Other subjects including Computers, Art, FACS, Ag, and Health also count. A student who fails any three of these will be counted as failing one subject that meets daily. Students failing Band and Chorus will be counted as failing half a subject for each class. If a child is not doing satisfactory work the following steps will be taken:

1. At the end of the first semester students who show potential need for retention will be identified to the principal by the teacher. A pre-retention letter will be sent home.
2. Parents will be contacted for a conference with the teacher and principal. At this meeting the following will be discussed:
  - a. Present social and emotional maturity of the child
  - b. Present academic standing of the child
  - c. Goals for growth for the child for the second semester
3. During the fourth quarter parents will again be contacted for conferencing as in step 2, if retention is recommended.
4. Parents are encouraged to contact the classroom teacher or the principal at any time with any concerns or needs.
5. The decision for retention or promotion shall be made by the teacher and principal before the end of the school term. Parents will be informed of the decision.

### Grading Scale

Letter Grade	100 Point Scale
A+	99.5-100
A	93.5-99
A-	92.5-93
B+	91.5-92
B	85.5-91
B-	84.5-85
C+	83.5-84
C	76.5-83
C-	75.5-76
D+	74.5-75
D	70.5-74
D-	69.5-70
F	0-69

#### Quarter/Final Grades

Jr. High students are graded on a Quarterly basis. They will receive a Final grade for their year-long courses. Every Quarter is worth 25% of their final grade.

## JUNIOR HIGH SCHEDULE

Students in 7<sup>th</sup> & 8<sup>th</sup> grade will be scheduled into eight courses and one Learning Lab period. Their core courses will consist of Literature, Language, Mathematics, Science, and Social Studies. They will also take Physical Education, Band or Chorus (if they choose) and Quarterly Career Exploratory Courses. Course descriptions of Jr. High Classes are below:

### 7<sup>th</sup> Grade Language

**Course Key:** 7LANG

**State Course ID:** 51035A000

The English Language Arts course works to develop students' skills in the areas of grammar use and writing. The course exposes students to a variety of writing types, writing techniques, and development of the writing process. The writing is supported with the explanation and development of proper English grammar skills at the 7<sup>th</sup> grade level.

### 7<sup>th</sup> Grade Literature

**Course Key:** 7LIT

**State Course ID:** 51047A000

Students will have the opportunity to read from many different genres of literature. They will focus on performing close reads on informational based (non-fiction) and literature based (fictional) texts. This challenges students to read, annotate, analyze, and answer text-dependent questions for a text that is considered to be complex. Students can enjoy reading novels and learning to work together in their literature circle groups, in order to engage in higher level questioning and discussions; participate in project based groups, which will allow them to create presentations and participate in a wide range of creative activities; and they will demonstrate and use their knowledge of literary elements, which will give them the ability to apply these elements to all samples of texts.

### 7<sup>th</sup> Grade Math

**Course Key:** 7MATH

**State Course ID:** 52037A000

7<sup>th</sup> grade math is focused on building foundations for numbers, operations, ratios, proportions, algebraic expressions and equations, and geometry. *Math in Focus* is the curriculum used and covers the aforementioned topics as well as probability and statistics in preparation for 8<sup>th</sup> grade math.

### 7<sup>th</sup> Grade Physical Science

**Course Key:** 7SCI

**State Course ID:** 53237A000

Physical Science provides students the opportunity to learn about lab safety, the use of reference materials and the application of process skills. Students gain an understanding of the properties of matter, atomic theory, periodic law, energy, heat energy, forces and motion, machines and work, sound, electromagnetic waves, static electricity, electrical circuits and magnetism.

### 7<sup>th</sup> Grade Social Studies

**Course Key:** 7SocStu

**State Course ID:** 54437A000

7<sup>th</sup> grade Social Studies is a survey course that covers the Pre-Columbian history to the start of the American Civil War. The course also exposes students to the U.S. and state of Illinois Constitution with a final Constitution exam at the end of the unit. Students explore and develop critical thinking skills by looking at different types of sources and media to learn about the major events that shaped the United States. Students also take part in the Illinois History Fair as a semester project to develop and master the skills being taught in class.

### 8<sup>th</sup> Grade Language

**Course Key:** 8LANG

**State Course ID:** 51036A000

Students will guide their learning through student led discovery, in order to find information relating to many topics: grammar, conventions, creative writing, and peer assessments. Student's writing will focus on Argumentative, Informative, and Narrative pieces of writing. Students will be involved in creating valuable lessons and activities individually and in groups; as well as, participating in peer led assessments and conferences.

### 8<sup>th</sup> Grade Literature

**Course Key:** 8LIT

**State Course ID:** 51048A000

Students will have the opportunity to read from many different genres of literature. They will focus on performing close reads on informational based (non-fiction) and literature based (fictional) texts. This challenges students to read, annotate, analyze, and answer text-dependent questions for a text that is considered to be complex. Students can enjoy reading novels and learning to work together in their literature circle groups, in order to engage in higher level questioning and discussions; participate in project based groups, which will allow them to create presentations and participate in a wide range of creative activities; and they will demonstrate and use their knowledge of literary elements, which will give them the ability to apply these elements to all samples of texts.

**8<sup>th</sup> Grade Math****Course Key:** 8MATH**State Course ID:** 52038A000

8<sup>th</sup> grade math is focused on building foundations for numbers, operations, ratios, proportions, algebraic expressions and equations, and geometry. *Math in Focus* is the curriculum used and covers the aforementioned topics as well as exponents, equations, statics, and probability in preparation for high school math.

**8<sup>th</sup> Grade Life Science****Course Key:** 8SCI**State Course ID:** 53238A000

This course is a biology survey course with an emphasis on hands-on experience, the scientific process skills, the interrelationships among living things, and life science's relationships with other sciences. Dissections will include a worm, a sea star, a dogfish shark, a perch, a sheet heart, and a frog.

**8<sup>th</sup> Grade Social Studies****Course Key:** 8SocSt**State Course ID:** 54438A000

8<sup>th</sup> grade Social Studies is a survey course that covers the American Civil War to modern history of the United States. Students explore and develop critical thinking skills by looking at different types of sources and media to learn about the major events that shaped the United States. Students also take part in the Illinois History Fair as a semester project to develop and master the skills being taught in class.

**Junior High Band****Course Key:** BAND**State Course ID:** 55102A000

Band meets each week on Monday and Wednesday. Students are required to play an instrument or percussion. Students will develop instrumental technique while learning about music through performance. Performances include a Winter Concert and Spring Concert as well as various other performances throughout the year. Students will also participate in solo and ensemble contest, attend all concerts, and play for some sporting events. Band is a full year course but students may join mid-with instructor permission. There is a \$40.00 fee for the rental of school instruments. Grades are based on participation, effort and performance.

**Junior High Chorus****Course Key:** CHORUS**State Course ID:** 55110A000

Chorus meets each week on Tuesday and Friday. Students will develop choral technique while learning about music through performance. Performances include a Winter Concert and Spring Concert as well as various other performances throughout the year. Students will also participate in solo and ensemble contest, attend all concerts, and sing for some sporting events. Chorus is a full year course but students may join mid-with instructor permission. Grades are based on participation, effort and performance.

**Junior High Physical Education****Course Key:** 7PE, 8PE**State Course ID:** 58037A000, 58038A000

This course is designed for activity. Students will experience a variety of activities to promote fitness, teamwork, and education about improving the individual fitness level. Activities will include team sports, individual sports, introduction to the fitness room, and team building. All students will need to dress for class each day with Eastland physical education t-shirts and shorts that can be purchased from the Jr/Sr high school office.

**CAREER EXPLORATORY COURSES**

*Career Exploratory Courses are taken on a Quarterly basis. Students rotate through four courses each year of Jr. High.*

**Computer Programming using Alice - 7<sup>th</sup> Grade****Course Key:** 7COMPT**State Course ID:** 60203A000

Students are exposed to computer programming by creating projects using the basic structures of programming. Students will be exposed to processes used with computer animation. Students will be learning how programming is used by animators and computer programmers.

**Vocational Exploration – 7<sup>th</sup> Grade****Course Key:** 7VOC**State Course ID:** 71001A000

This class will explore technology for the design and manufacturing of products used every day. Students will learn to design and make products that meet a need, function well, are made to high standards, and are socially and environmentally responsible.

**Business and Interpersonal Communications** – 7<sup>th</sup> Grade**Course Key:** 7BUS**State Course ID:** 62001A000

Business and Interpersonal Communications is a course designed to give students an inside view into the development and coping skills necessary to function as an efficient and effective employee in the business world. Topics will include personal development, conflict resolution, effective business and interpersonal communication skills, and working with diverse co-workers and bosses.

**Visual Arts I** – 7<sup>th</sup> Grade**Course Key:** 7ART**State Course ID:** 55154A000

The Visual Arts I course is designed to develop skills in critical thinking and oral communication, while developing an appreciation for art history, styles, and techniques. Students will be introduced to computer graphics and digital arts. This course will continue to expose students to the various art related occupations.

**Lego NxT Robotics** – 8<sup>th</sup> Grade**Course Key:** 8LEGO**State Course ID:** 71009A000

This course aims to guide students in learning the basics of mechanical engineering, design, and computer programming, with an understanding of such concepts as:

- Sturdy construction
- Gear ratios
- spur, worm, and bevel gears
- motors, lamps, and sensors
- center of gravity
- levers
- algorithms and data manipulation
- programming structures- loops, forks, subroutines

More importantly, the course aims for students to learn to think like engineers- to learn to break down complex problems into simpler, solvable blocks; to model and describe what they want something to do; to see failure as an essential opportunity to learn rather than as a judgment upon their ability. The Lego Robotics system offers an opportunity for students to express themselves through a mixture of science, engineering, story-telling, and art, the type of integrative skill that will be essential in the 21st century.

Goals also include research, and writing skills; and greater confidence in presentation and public speaking. Above all, students should enjoy themselves and take real delight in all that they do; should see learning not as a chore for others but as play and exploration for its own sake. In education, curiosity and passion is paramount.

**Entrepreneurship/Marketing** – 8<sup>th</sup> Grade**Course Key:** 8ENTRE**State Course ID:** 62151A000

Students are exposed to company organization and job descriptions for a company of their choosing by creating a project that reflects those aspects and financials of the company. They will be able to create projects using Microsoft Excel, PowerPoint, and Movie maker.

**Exploratory Agriculture-** 8<sup>th</sup> Grade**Course Key:** 8AG**State Course ID:** 68001A000

Exploratory Agriculture is designed to have students focus on areas of agriculture and careers related to local, state and national career needs. This exploration course provides an opportunity to learn fundamental concepts in agriculture to serve as a foundation for future courses and to inform students about the industry that is so vital to society and to their future. Major units of instruction include an introduction to the agricultural industry, plant science, animal science, natural resources. Participation in FFA student organization activities is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

**Visual Arts II** – 8<sup>th</sup> Grade**Course Key:** 8ART**State Course ID:** 55188A000

The Visual Arts II course is designed to develop skills in critical thinking and oral communications, while developing an appreciation for art history, styles, and techniques. Students will develop skills in computer graphics and digital arts. This course will continue to expose students to the various art related occupations.