



LONE OAK HIGH SCHOOL
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Lone Oak, TX 75453
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2022-2023 Course Catalog

This course catalog is a guidebook intended for the use of parents and students. This guidebook represents the administration's continuing efforts to provide pertinent information about high school, specifically, a description of elective courses offered. Students are urged to study this guidebook along with other documents as they choose courses for their high school graduation plan.

This guidebook lists the courses available to high school students. It should be noted that not all of the courses listed are scheduled every year. For a class to be offered, a minimum number of students must request that course. For this reason, it may be necessary to schedule classes on an alternate-year basis or to eliminate them. When a sufficient number of student requests warrant it, every effort will be made to offer a desired course.

One can find valuable information as well as graduation plans and requirements in this guidebook. Students should stay in contact with colleges that they are interested in attending to make sure that requirements for entrance do not change year to year and to ensure that the student is taking the courses required for the colleges.

Lone Oak ISD does not discriminate on the basis of race, color, creed, National origin, sex, age, or disability in providing education services.

GRADUATION REQUIREMENTS

For students entering Lone Oak High School in 2020-2021 and beyond, Lone Oak ISD will require 26 credits for graduation on the Foundation Plan with an endorsement. Lone Oak ISD will require 22 credits to graduate on the Foundation Plan without an endorsement.

Beginning with the ninth grade class entering Lone Oak High School in 2021-2022 and beyond, Lone Oak ISD will require 28 credits for graduation on the Foundation Plan with an endorsement. The credits required to graduate on the Foundation Plan without an endorsement will remain at 22 credits.

CLASSIFICATION CREDIT:

Students are classified at the beginning of the year, according to the number of credits they have earned:

Freshman promotion from 8th grade
Sophomore 6 to 11.5 credits
Junior 12 to 18.5 credits
Senior 18 plus credits

ACADEMIC ACHIEVEMENT - CLASS RANK / HIGHEST RANKING STUDENT

Valedictorian/Salutatorian – The valedictory honors will be given to the student making the highest weighted average of grade points during their four years of high school study. Salutatory honors will be awarded to the student making the second highest weighted average of grade points during their four years of high school study. A chart follows as to how grade points are determined. These honors are determined at the end of the sixth six week reporting period of the senior year.

Eligibility: To be eligible for valedictory or salutatory honors, a student must be enrolled in the district high school for the four semesters of their junior and senior years and have had continuous enrollment until graduation. Eligible students must take at least four academic courses each of the four years he or she has been in high school. Eligible students must have earned distinguished achievement under HB 5. Students who transfer from other accredited schools are eligible for academic honors at Lone Oak High School provided they meet the enrollment requirements. Students who choose to be an early graduate are not eligible for valedictory or salutatory honors.

Honor Graduate – Those graduating seniors who are in the **top 25%** will be designated Honor Graduates.

Eligibility: In order to be an honor graduate, the student does not have to meet the enrollment requirements but must have been enrolled in at least four academic courses each of the four years he or she has been in high school. Students who transfer from other accredited schools are eligible. Early graduates are also eligible.

The following grade points will be used to determine class rank:

Grade	Regular	Weighted	Advanced
97-100	13	16	19
94-96	12	15	18
90-93	11	14	17
87-89	10	13	16
84-86	9	12	15
80-83	8	11	14
77-79	7	10	13
75-76	6	9	12
72-74	5	8	11
70-71	4	7	10
Below 70	0	0	0

Weighted Classes shall include: All PreAP classes, Physics (only for the classes of 2018 and 2019), Anatomy & Physiology and PreCalculus.

Advanced Classes shall include: All AP classes and dual credit college classes (pre-approved and designated for course credit/class rank.)

Class Rank and GPA Exceptions

PE, Athletics, local credit courses, summer school, correspondence classes or credit by exams will not be used in calculating grade point average. Local credit courses taken at the middle school will not count towards credit earned at the high school. AP and Dual-Credit

courses must be pre-approved for credit and class rank eligibility by the LOHS counselor. Any course taken without pre-approval will not be accepted. Classes of 2019 and beyond will be eligible to earn up to 30 hours of dual credit to apply towards class rank.

Conversion of Letter Grades: Lone Oak High School will use the following conversion chart for transferring letter grades to numeric grades:

A+ = 98	B+ = 88	C+ = 78
A = 95	B = 85	C = 75
A - = 92	B - = 82	C - = 72

Dual Credit College grades that are letter grades will be converted to a numeric grade using the chart below, unless a numeric grade is given by the instructor.

A = 97	B = 87	C = 77
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ADVANCED PLACEMENT (AP)

The Advanced Placement Program taught at Lone Oak High School allows students to participate in a college-level course and possibly earn college credit while in high school. Students are given the opportunity to show mastery in college-level courses by taking the Advanced Placement exam in May of each school year. This “academic bridge” helps smooth the transition from high school to college. The primary goals of the Advanced Placement Program are to enrich the secondary school experience of students ready to apply themselves to college-level courses and to provide the means by which colleges may grant credit or placement or both, to students with satisfactory Advanced Placement scores.

Advantages of Taking an AP Course

The main advantage of taking an Advanced Placement course is better preparation for college. It has been shown that student’s master in-depth content at the college level more easily after completing Advanced Placement courses in high school. Students also acquire sophisticated academic skills and increased self-confidence in preparation for college.

Additionally, students who have taken an AP exam may receive college credit while still in high school, saving both time and money. Credit on AP exams can save up to \$1,500 in college tuition alone and/or count as credit for one or more college courses. **Students and parents should always check with the college of interest to ensure that the college accepts Advanced Placement exams for credit and the scores they require for credit.**

Advanced Placement Exams

The exams are structured to measure three areas—depth of knowledge, completeness of thought, and synthesis of ideas. Exams are graded on a five-point scale with credit usually given for scores of three or higher. **The score requirements and number of college credit hours awarded or placement credit awarded varies among universities and colleges.**

AP exams are given in May according to the College Board exam schedule. The cost is approximately \$96.00. See our Pre AP/AP local policy.

Advanced Placement courses are designed to prepare students for college. If a student scores high enough, colleges may grant credit for those courses. Scores range from 1-5 with 5 being the highest. Most public colleges accept AP courses. Be sure to ask the college you plan to attend. AP courses are offered to meet the criteria for the Gifted Education program, Distinguished Graduate and College Preparatory.

Criteria and Guidelines for Advanced Placement Courses

- 1. Students must have a teacher recommendation (to verify grade average, GT status or ability to be successful in class) and an “A” average to enroll in any AP or Pre AP course. Once a student is enrolled in an AP course, they will not be able to drop the course unless it is recommended by the teacher and approved by the principal.**
2. Any student who meets the Pre-AP/AP policy will be able to take the class.
3. **Students will be required to take the end of course AP exam.** The student will pay a \$30.00 registration fee per test and the school will pay the remaining cost of the test. If a student fails to take the test, the registration fee is non-refundable. The transcript will reflect credit for taking the AP class regardless of the score on the exam.
4. AP classes receive advanced points towards class rank and GPA. Pre AP classes receive weighted points towards class rank and GPA. *Refer to the Academic Achievement section of this catalog.*

Pre AP Courses offered 2022-2023 school year

PreAP English 1-9th grade

PreAP Algebra 1- 9th grade

PreAP Biology- 9th grade

PreAP English 2- 10th grade

PreAP courses are offered based on student requests and teacher availability. Additional Pre-AP classes could be added and will follow the same guidelines.

Pre-AP Classes do not have College Board exams but students in each class will be required to take and pass the State of Texas STAAR EOC exam for each subject.

COURSE DESCRIPTIONS

This Course Selection Guide provides information and guidance to students and parents as they select courses, consider graduation requirements, and locate relevant information in planning for enrollment each year.

English I

Grade Placement: 9

Credit: 1

Students enrolled in English I continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts. In English I, students practice all forms of writing. An emphasis is placed on organizing logical arguments with clearly expressed related definitions, theses, and evidence. Students write to persuade and to report and describe. English I students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work.

PreAP is available and is a weighted class towards class rank.

English II

Grade Placement: 10

Credit: 1

Students enrolled in English II continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts. In English II, students practice all forms of writing. An emphasis is placed on persuasive forms of writing such as logical arguments, expressions of opinion, and personal forms of writing. These personal forms of writing may include a response to literature, a reflective essay, or an autobiographical narrative. English II students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the

historical context on a literary work.

*PreAP is available and is a weighted class towards class rank. *

English III

Grade Placement: 11

Credit: 1

This course is a study of composition, research, grammar, and vocabulary. Students write a comprehensive research paper their junior year as well as several literary-based essays. Since English III builds upon skills attained in English II, the students are expected to have a proficiency in reading, writing, and critical thinking skills. The students utilize technology throughout the year.

*AP Language and Composition is available and is an advanced class towards class rank.

English IV

Grade Placement: 12

Credit: 1

In this course students analyze American and British literature as it reflects social perspective and historical significance by continuing to use language for expressive, expository, argumentative, and literary purposes. The emphasis in English IV is placed on critical analysis of texts through reading, writing, speaking, listening, and using media.

*Dual credit is available and is an advanced class towards class rank.

College Prep English

Grade Placement: 12

Credit: 1

Students will learn to investigate academic texts, construct supported interpretations and arguments for an authentic audience, and acquire academic habits of thought. Reading instruction will focus on developing critical reading skills for comprehension, interpretation, and analysis. In writing, students will develop skills through composing with specific purpose, situation, genre, and audience in mind. Students will write a variety of effective formal and informal texts. To learn to integrate reading and writing, students will use an inquiry approach to analyze, synthesize, and make value judgments regarding text and

writing. This course is designed to prepare students for college-level reading and writing intensive courses. Successful completion of this course, as defined by the memorandum of understanding (MOU) with the partnering institution(s), grants the student an exemption to TSI requirements for reading and writing at the partnering institution(s)

Math

Algebra I

Grade Placement: 9

Credit: 1

This course emphasizes the development of algebraic skills and concepts necessary for geometry and higher level math courses. The course uses algebraic skills in a wide range of problem-solving situations, including the concept of function. Other topics include properties of real numbers, solution and evaluation of equalities and inequalities, graphing of linear equations and solution sets, basic operations with polynomials, solving quadratic equations and systems of equations, use of exponents, and introductory topics from statistics and probability.

Note: 9th graders who took Algebra 1 in 8th grade will take Algebra 2 in the 9th grade.

Pre Ap is available and is a weighted class towards class rank.

Geometry

Grade Placement: 10

Credit: 1

Students will explore real life problems and apply principles of algebra and geometry to critically and analytically find solutions. Tools of Geometry including compass, protractor, and computer software such as Geometer Sketchpad will be applied to develop concepts. The course content includes facts regarding points, lines, planes, angles, triangles, circles, polygons, polyhedrons, transformations, classical construction, inductive and deductive reasoning, introduction to proof, congruence, area, perimeter, surface area, volume, and similarity with an introduction to trigonometry and analytic geometry

*Pre AP may be available and is a weighted class towards class rank.

Algebra II

Grade Placement: 11

Credit: 1

An extension of Algebra I and Geometry. Algebra II includes the concepts learned in those courses along with quadratic functions, radical functions, exponential functions, and logarithmic functions that are concepts tested on SAT and ACT. This course is a prerequisite to Precalculus.

College Prep Math

Grade Placement: 12

Credit: 1

Students will study linear, quadratic, polynomial, rational and radical expressions, equations, and functions as well as probability and statistics. College Prep Math is designed to help students meet college entrance requirements (TSI testing) and to be ready for entry-level college math coursework. Students taking this course are strongly encouraged to take the TSI upon course completion.

Pre-Calculus

Grade Placement: 11-12

Credit: 1

An extension of Alg. II and Geometry concepts along with learning Trigonometry concepts, the conic section, and series and sequences. The concepts learned in this course will prepare you for the Calculus course. The concepts learned in this course will also be tested on the SAT and ACT. This course is a prerequisite for Calculus.

*PreCalculus is a weighted class towards class rank.

AP Calculus

Grade Placement: 12

Credit: 1

Building enduring mathematical understanding requires understanding the why and how

of mathematics in addition to mastering the necessary procedures and skills. To foster this deeper level of learning, AP Calculus AB is designed to develop mathematical knowledge conceptually, guiding you to connect topics and representations throughout the course and to apply strategies and techniques to accurately solve diverse types of problems.

*AP Calculus is an advanced weighted class towards class rank.

Dual Credit College Algebra Math 1314 and Math 2312

Grade Placement: 12

Credit: 1

Students will be able to earn 6 college hours. Both classes must be taken to equal a 4th math credit for graduation.

Grade 12 only* Dual credit is available and is an advanced class towards class rank. Math 2312 can be substituted with Math 1342 (statistics).

Science

Biology

Grade Placement: 9

Credit:1

This course is designed to teach the student learner about the concepts, principles, and theories about the natural environment around them. As a participant in this course you will learn about living things. We discover the answers to questions about living things through a variety of different activities such as laboratory experiments, internet (technology) research, projects and reports. The textbook used for the course is very informative and complete and is used extensively. We will also learn how to apply Biology concepts and use critical thinking skills throughout the year to help all students be successful on the TAKS test as a sophomore and junior.

*Pre Ap is available and is a weighted class towards class rank. *

IPC

Grade Placement: 10-11

Credit: 1

Integrated Physics and Chemistry explores the nature of force, motion, energy, and matter. Course topics include kinematics, force, momentum, waves, atoms, the periodic table, molecular bonding, chemical reactivity, electricity, and nuclear energy.

Chemistry

Grade Placement: 10

Credit: 1

Chemistry is the study of matter and all the changes that it undergoes. It is necessary to understand some chemistry for all branches of science. The class has many math concepts included. Chemistry is an upper level science class. The problem solving skills learned in chemistry can apply to everyday life situations, test taking abilities, and college.

*PreAP may be available and is a weighted class towards class rank.

Physics

Grade Placement: 11

Credit: 1

Physics is the study of movement. It is the study of movement of all things, from atomic particles to waves (light, sound, and mechanical waves). Physics is an upper level science class. Its applications can be spread out into everyday life occurrences.

*AP Physics is available and is an advanced weighted class towards class rank.

Environmental Systems

Grade Placement: 11-12

Credit: 1

This course includes the study of environmental systems; ecosystems, biomes, abiotic and biotic relationships, the study of collections and structures within environmental systems. Students will conduct scientific investigations to study the natural world through the study of energy systems, interspecies relationships, and relationships between organisms

and their habitats. This course counts as a fourth science for the new graduation plan.

Anatomy and Physiology

Grade Placement: 10–12

Credit: 1

Prerequisite: Biology and a second science credit. Recommended Prerequisite: A course from the Health and Science Career Cluster.

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

*This class receives weighted points for class rank.

Forensic Science

Grade Placement: 11–12

Credit: 1

Prerequisites: Biology and Chemistry

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Social Studies

World Geography

Grade Placement: 9
Credit: 1

World Geography is organized around 6 essential elements. The essential elements are: The world in spatial terms, places and regions, physical systems, human systems, environment and society and the use of geography.

World History

Grade Placement: 10
Credit: 1

This world history class covers the entire span of human history. The course begins by discussing the first known civilizations and ends with present day current events. Emphasis will be placed on understanding broad themes and concepts about the history of the world, including economics and technology, political and social systems, religions and value systems, art and literature, and the impact of the individual.

U.S. History

Grade Placement: 11
Credit: 1

A study of time of United States History between 1754 and 2000

*Dual credit History 1301 and 1302 is available and is an advanced class towards class rank.

Government

Grade Placement: 12
Credit: 1

This course is a study of the foundations of American Government, the electoral process, the three branches of federal government and our state and local government. We will deal specifically with the influences on our government today from early British examples and our colonial experience. The executive, legislative and judicial branch will be covered in depth as will our state governmental system.

*Dual credit is available and is an advanced class towards class rank.

Economics

Grade Placement: 12

Credit: 1

This course is a one-semester overview of the basics of Economics. It emphasizes the economic principles upon which the free enterprise system is based. Students will study the role government plays in this system and compare the American economic system to other types of economic

*Dual credit is available and is an advanced class towards class rank.

Foreign Language

Spanish 1

Spanish one is a course that introduces the student to some of the basic vocabulary and grammar needed to communicate, such as greetings, introductions, numbers, telling time, descriptions, everyday activities, talking about how the Hispanic culture is present and influences our society. At this level students are expected to be able to read simple sentences, write basic sentences and create short compositions on the topic of study; listen to short conversations and statements presented by native speakers. Students should be able to speak simple phrases and understand basic questions.

Spanish II

Spanish 2 continues the study of more complex vocabulary and grammar. Students will work in present, past and future tenses. At the second level they are expected to use language taught from the first level and incorporate it into the new vocabulary. Students should be able to carry on short conversations, understand longer conversations, and read more complex passages using the vocabulary and grammar taught. Students will do more in depth reading and writing activities. They should be able to comprehend more complex

questions and give more in depth answers and discussion responses.

Career and Technical Education (CTE)

Programs of Study and Endorsements

Lone Oak ISD offers numerous Career and Technical Education courses which allow students the opportunity to earn various endorsements and programs of study. The following document includes the programs of study offered, along with the associated endorsements. All students are required to complete a program of study for graduation. A program of study requires three or more courses for four or more credits in a specific CTE area.

Programs of Study

Please click here for detailed information about each program of study and the associated coursework:

<https://bit.ly/3xy3wIT>

This link includes:

- 1) the CTE courses in a program of study offered at Lone Oak High School
- 2) the recommended sequence of courses
- 3) the associated endorsement earned with a specific program of study
- 4) links to outside Texas Education Agency (TEA) resources with more information about programs of study

Endorsements

Students will be able to earn one or more endorsements as part of their graduation requirements. Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area.

Students earn an endorsement by completing the curriculum requirements for the endorsement, including 4th credit of math and science and 2 additional elective credits.

Students can choose from five endorsement areas:

- 1) Multidisciplinary
- 2) STEM
- 3) Business and Industry
- 4) Public Services
- 5) Arts and Humanities

All students graduating from Lone Oak High School on the Foundation Plan with an Endorsement will automatically earn the Multidisciplinary endorsement.

STEM ENDORSEMENT

The STEM endorsement focuses mainly on the STEM career cluster and is recommended for students interested in going into a science, technology, engineering, or mathematics related career. The STEM endorsement is attained by completing a coherent sequence, or series of courses, from one of the following:

Mathematics- Total of 5 Credits

Algebra 1

This course emphasizes the development of algebraic skills and concepts necessary for geometry and higher level math courses. The course uses algebraic skills in a wide range of problem-solving situations, including the concept of function. Other topics include properties of real numbers, solution and evaluation of equalities and inequalities, graphing of linear equations and solution sets, basic operations with polynomials, solving quadratic equations and systems of equations, use of exponents, and introductory topics from statistics and probability.

Geometry

Students will explore real life problems and apply principles of algebra and geometry to critically and analytically find solutions. Tools of Geometry including compass, protractor, and computer software such as Geometer Sketchpad will be applied to develop concepts. The course content includes facts regarding points, lines, planes, angles, triangles, circles, polygons, polyhedrons, transformations, classical construction, inductive and deductive reasoning, introduction to proof, congruence, area, perimeter, surface area, volume, and similarity with an introduction to trigonometry and analytic geometry.

Algebra II

An extension of Alg. I and Geometry; It includes the concepts learned in those courses along with quadratic functions, radical functions, exponential functions, and logarithmic functions that are concepts tested on SAT and ACT. This course is a prerequisite to Precalculus.

Precalculus

An extension of Alg. II and Geometry concepts along with learning Trigonometry concepts, the conic section, and series and sequences. The concepts learned in this course will prepare you for the Calculus course. The concepts learned in this course will also be tested on the SAT and ACT. This course is a prerequisite for Calculus.

Calculus (AP)

The course covers derivatives, ant derivatives, rate of change, and more. Information from Alg. 1 through Pre-Calculus course concepts will be used in this course. The course is designed to prepare you for college Calculus and the AP exam.

Dual Credit College Algebra 1314 and 2312

Students will be able to earn 6 college hours. Both classes must be taken to equal a 4th math credit for graduation. **Grade 12 only**

Science – Total of 5 Credits

Biology

This course is designed to teach the student learner about the concepts, principles, and theories about the natural environment around them. As a participant in this course you will learn about living things. We discover the answers to questions about living things through a variety of different activities such as laboratory experiments, internet (technology) research, projects and reports. The textbook used for the course is very informative and complete and is used extensively. We will also learn how to apply Biology concepts and use critical thinking skills throughout the year to help all students be successful on the TAKS test as a sophomore and junior.

Chemistry

Chemistry is the study of matter and all the changes that it undergoes. IT is necessary to understand some chemistry for all branches of science. The class has many math concepts included. Chemistry is an upper level science class. The problem solving skills learned in chemistry can apply to everyday life situations, test taking abilities, and college.

Physics

Physics is the study of movement. It is the study of movement of all things, from atomic particles to waves (light, sound, and mechanical waves). Physics is an upper level science class. Its applications can be spread out into everyday life occurrences.

Environmental Systems

This course includes the study of environmental systems; ecosystems, biomes, abiotic and biotic relationships, the study of collections and structures within environmental systems. Students will conduct scientific investigations to study the natural world through the study of energy systems, interspecies relationships, and relationships between organisms and their habitats. This course counts as a fourth science for the new graduation plan.

Anatomy and Physiology

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis

Forensic Science

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Scientific Research and Design

Prerequisite: Biology, Chemistry, Integrated Physics, and Chemistry (IPC), or Physics. Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. These components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high-skill, high-wage jobs and/or continue their education. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement.

Programming and Software Development

Fundamentals of Computer Science

Grade Placement: 9-12

Credit: 1

Pre-Requisites: Algebra I is recommended but not required.

Students in Computer Science study beginning topics in computer science using the Java programming language. They learn to write code to solve many different types of problems. Introductory programming concepts such as variables, iteration, object oriented structures, arrays, and math functions are all part of the course. Students also research careers in the industry, proper design techniques, and copyright laws.

Computer Science 1

Grade Placement: 10-12

Credit: 1

Prerequisite: Fundamentals of Computer Science

Computer Science 1 is a second year class expanding upon concepts learned in Fundamentals of Computer Science. Students will increase their knowledge of programming and the JAVA language, focusing especially on object oriented concepts, advanced arrays, and data structures.

Computer Science II

Grade Placement: 11-12

Credit: 1

Prerequisite: Computer Science I

Students in AP Computer Science II study advanced topics in computer science using the Java programming language. Advanced data structures and concepts including stacks, queues, binary trees, sorts, and the AP case study are all part of the course. Students also research careers in the industry, proper design techniques, and copyright laws. All students are required to take the AP Exam at the end of the course.

Video Game Design

Grade Placement: 10-12

Credits: 1

Prerequisite: None

Recommended Prerequisite: Principles of Art, Audio/Video Technology, and Communications.

Video Game Design will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

Mobile Application Development

Grade Placement: 10-12

Credit: 1

Prerequisite: Algebra I

Mobile App Development is a computer science based course which covers how to develop applications for mobile platforms, specifically for Apple iOS, Windows, and Google Android devices. Differences between mobile and desktop computing will be examined, sample mobile apps will be dissected, and tool suites for the development of new mobile apps will be covered, including both the Java and C# programming languages.

Practicum in STEM

Grade Placement: 11-12

Credits: 2

Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Engineering

Principles of Applied Engineering

Grade Placement: 9-10

Credit: 1

Prerequisites: None

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering and mathematics and their interrelationships. Students will use a

variety of computer hardware and software applications to complete assignments and projects.

Engineering Design and Presentation I

Grade Placement: 10-12

Credit: 1

Prerequisites: Algebra I

Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes.

Engineering Design and Presentation II

Grade Placement: 11-12

Credit: 1

Prerequisites: Algebra I and Geometry

Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Emphasis will be placed on using skills from ideation through prototyping.

Engineering Design and Problem Solving

Grade Placement: 11-12

Credit: 1

Prerequisites: Algebra I and Geometry

The Engineering Design and Problem-Solving course is the creative process of solving problems by identifying needs and then devising solutions. The solution may be a product, technique, structure, or process depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific

concepts from the sciences and mathematics to derive a solution.

Practicum in Science, Technology, Engineering, and Mathematics

Grade Placement: 11-12

Credit: 1

Prerequisites: Algebra I and Geometry

Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Business and Industry Endorsement

The Business and Industry endorsement is a curriculum path that allows a student to focus deeply on courses directly related to the business field. Related business careers include: information technology specialist, financial advisor, marketing specialist, welding, and automotive.

Design and Multimedia Arts

Principles of Arts, Audio/Video Technology, and Communications

Grade Placement: 9

Credits: 1

Prerequisite: None

The goal of this course is for the student to understand arts, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this field.

Animation I

Grade Placement: 10-12

Credits: 1

Prerequisite: None

Recommended Prerequisite: Art I or Principles of Art Audio/Video Technology, and Communications.

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.cluster and the knowledge, skills, and educational requirements for those opportunities.

Animation II

Grade Placement: 11-12

Credits: 1

Prerequisites: Animation I

In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to create two-and three-dimensional animations. The instruction also assists students seeking careers in the animation industry.

Graphic Design and Illustration I

Grade Placement: 10–12

Credits: 1

Prerequisites: None

Recommended Prerequisite: Principles of Arts, Audio/Video Technology, and Communications. Recommended Corequisite: Graphic Design and Illustration I Lab. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Graphic Design & Illustration 2

Grade Placement: 10–12

Credits: 1

Prerequisites: Graphic Design and Illustration 1

Within this context, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

Practicum in Graphic Design and Illustration

Grade Placement: 10–12

Credits: 2

Prerequisites: Graphic Design and Illustration II and Graphic Design and Illustration II Lab.

Corequisite: Practicum in Graphic Design and Illustration.

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Agriculture, Food, and Natural Resources

Principles of Agriculture, Food, and Natural Resources

Grade Placement: 9–12

Credit: 1

Prerequisites: None

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations.

Agricultural Mechanics and Metal Technologies

Grade Placement: 10–12

Credit: 1

Prerequisites: None

Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources. Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques. To prepare for

careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

Agricultural Equipment Design and Fabrication

Grade Placement: 11–12

Credit: 1

Prerequisites: None

Recommended Prerequisites: Agricultural Mechanics and Metal Technologies. In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.

Agricultural Power Systems

Grade Placement: 10–12

Credit: 2

Prerequisites: None

Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources. Agricultural Power Systems is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

Agricultural Equipment Design and Fabrication

Grade Placement: 11–12

Credit: 1

Prerequisites: None

Recommended Prerequisites: Agricultural Mechanics and Metal Technologies. In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.

Floral Design

Grade Placement: 9–12

Credit: 1

Prerequisites: None

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

Wildlife, Fisheries, and Ecology Management

Grade Placement: 9–12

Credit: 1

Prerequisites: None

Wildlife, Fisheries, and Ecology Management examines the management of game and nongame wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Livestock Production

Grade Placement: 10–12

Credit: 1

Prerequisites: None

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry.

Professional Standards in Agribusiness

Grade Placement: 10–12

Credit: .5

Prerequisites: None

Professional Standards in Agribusiness primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness.

Small Animal Management

Grade Placement: 10–12

Credit: .5

Prerequisites: None

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds.

Equine Science

Grade Placement: 10–12

Credit: .5

Prerequisites: None

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules.

Practicum of Agriculture, Food, and Natural Resources

Grade Placement: 11-12

Credits: 2-3

Prerequisites: None

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and

technologies in a variety of settings.

Human Services Endorsement

The Public Service Endorsement is a pathway that allows a student to focus directly on courses related to the public service field, including Education and Health Science (medical field). Students interested in pursuing a path toward one of these careers should consider a Public Service Endorsement.

Family and Community Services and Early Learning

Principles of Human Services

Grade Placement: 9–12

Credit: 1

Prerequisites: None

Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

Lifetime Nutrition and Wellness

Grade Placement: 9–12

Credit: .5

Prerequisites: None

Recommended Prerequisite: Principles of Human Services, Principles of Hospitality and Tourism, or Principle of Health Science. Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.

Interpersonal Studies

Grade Placement: 9–12

Credit: .5

Prerequisites: None

Recommended Prerequisite: Principles of Human Services, Principles of Hospitality and Tourism, Principles of Health Science, or Principles of Education and Training. Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

Child Development

Grade Placement: 10–12

Credit: 1

Prerequisites: None

Recommended Prerequisite: Principles of Human Services. Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

Human Growth and Development

Grade Placement: 10-12

Credit: 1

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones.

Child Guidance

Grade Placement: 11–12

Credits: 2

Prerequisites: None

Recommended Prerequisite: Principles of Human Services. Recommended Prerequisite or Corequisite: Child Development. Child Guidance is a technical laboratory course that addresses the knowledge and skills related to child growth and guidance equipping students

to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the wellbeing and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Instruction may be delivered through school-based laboratory training or through work-based delivery arrangements such as cooperative education, mentoring, and job shadowing.

Family and Community Services

Grade Placement: 10–12

Credit: 1

Prerequisites: None

Recommended Prerequisite: Principles of Human Services. Family and Community Services is a laboratory-based course designed to involve students in realistic and meaningful community-based activities through direct service or service learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

Practicum in Early Learning

Grade Placement: 11-12

Credits: 2

Prerequisites: Child Guidance

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Human Services

Grade Placement: 11-12

Credits: 2

Prerequisites: None

Practicum in Human Services provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers.

Career Preparation

Grade Placement: 12

Credits: 2

Prerequisite: None

Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders.

Healthcare

Principles of Health Science

Grade Placement: 9–10

Credit: 1

Prerequisite: None.

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

Medical Terminology

Grade Placement: 9–12

Credit: 1

Prerequisite: None

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary

appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Anatomy and Physiology

Grade Placement: 10–12

Credit: 1

Prerequisite: Biology and a second science credit.

Recommended Prerequisite: A course from the Health and Science Career Cluster.

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Health Science Theory

Grade Placement: 10–12

Credit: 1

Prerequisites: Principles of Health Science and Biology

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

Practicum in Health Science

Grade Placement: 11-12

Credit: 2

Prerequisites: Health Science Theory and Biology

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Business Management

Principles of Business, Marketing, and Finance

Grade Placement: 9–12

Credits: 1

Prerequisite: None.

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

Business Information Management I

Grade Placement: 9–12

Credits: 1

Prerequisite: None

Recommended Prerequisite: Touch System Data Entry. Recommended Corequisite: Business Lab. In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

*Certifications available in Microsoft Expert *

Business Information Management II

Grade Placement: 11–12

Credits: 1

Prerequisite: Business Information Management I

Recommended Prerequisite: Touch System Data Entry. Recommended Corequisite: Business Lab. In Business Information Management II, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs,

and make an electronic presentation using appropriate multimedia software.

Business Management

Grade Placement: 10-12

Credits: 1

Prerequisites: None

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

Entrepreneurship

Credits: 1

Grade Placement : 10 - 12

Prerequisite: Principles of Business, Marketing, and Finance

In Entrepreneurship, students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students will understand the capital required, the return on investment desired, and the potential for profit.

Practicum in Business Management

Credits: 2

Grade Placement: 11-12

Prerequisites: None

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies.

Practicum in Entrepreneurship

Credits: 2

Grade Placement: 11-12

Prerequisites: None

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee.

Arts and Humanities Endorsement

Students who choose an Arts and Humanities endorsement will need to take a coherent sequence of credits in a specific area of interest in Fine Arts or additional Social Studies courses.

Fine Arts

Band—4 years of band earns the Arts & Humanities Endorsement

Marching band in the fall can count as .5 PE credit and spring semester can count as .5 credit of fine arts. Therefore, two years of band would equal one year of PE and one year of fine arts. A student must complete four years of band to complete this endorsement.

Theatre –4 years of theater earns the Arts & Humanities Endorsement

Theatre Arts is designed for the student who is interested in learning basic acting concepts, basic production concepts, voice, movements and characterization. Students will explore the production process through performance of classroom scenes and skits emphasizing learned skills in concentration, creativity, improvisation and pantomime. These skills are learned through games, physical exercises, mental exercises and writing exercises. This course will count as fine arts credit towards graduation. 4 years of theatre to complete endorsement

Social Studies

A student must complete all classes listed to earn the Arts and Humanities endorsement with

a Social Studies focus.

U.S. History

A study of time in US History between 1754 and 2000.

Can be dual credit or regular class to count for the endorsement.

Government

This course is a study of the foundations of American Government, the electoral process, the three branches of federal government and our state and local government. We will deal specifically with the influences on our government today from early British examples and our colonial experience. The executive, legislative and judicial branch will be covered in depth as will our state governmental system.

Economics

This course is a one-semester overview of the basics of Economics. It emphasizes the economic principles upon which the free enterprise system is based. Students will study the role government plays in this system and compare the American economic system to other types of economic

Can be dual credit or regular class to count for the endorsement.

World History

This world history class covers the entire span of human history. The course begins by discussing the first known civilizations and ends with present day current events. Emphasis will be placed on understanding broad themes and concepts about the history of the world, including economics and technology, political and social systems, religions and value systems, art and literature, and the impact of the individual.

World Geography

World Geography is organized around 6 essential elements. The essential elements are: The world in spatial terms, places and regions, physical systems, human systems, environment

and society and the use of geography.

Psychology

Psychology is the scientific study of the human mind and its functions, especially those affecting behavior in a given context. Students will examine major contributions and contributors to the field including Behaviorism, Psychoanalytical approach, and Humanism. The ideas behind Functionalist and Conflict theories will be studied in this one semester elective. Topics include Emotions, Cognition, Physical and Mental development, motivation and disorders. There will be activities that include individual and group assignments

Can be dual credit or regular class to count for the endorsement.

Sociology

Sociology is the study of the development, structure, and functioning of human society, and examines human behaviors and social problems through the lens's of Functionalistic and Conflict Theories.

Can be dual credit or regular class to count for the endorsement.

ELECTIVE COURSES

PHYSICAL EDUCATION COURSES

PE or Athletics- one year of PE or athletics is required for graduation

PE (non-athletics)

Grade Placement: 9-12

Credit: 1

In the Physical Education Course, you will get a basic understanding of human anatomy and its functions. You will work toward cardiovascular fitness through a variety of activities.

PE credit can also be earned through Marching Band in the fall semester for ½ credit.

Adventure/ Outdoor Education

Grade Placement- 9-12

Credit: 1

Students enrolled in adventure outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote a respect for the environment and that can be enjoyed for a lifetime.

Boys and Girls Athletics

Grade Placement: 9-12

Credit: 1

Students participating in a team sport must be enrolled in the athletic period. For all eligibility requirements please see the Athletic Policy or speak with the athletic director. Students will be required to complete a UIL physical examination.

FINE ARTS COURSES

One full year of Fine Art is required for graduation. Choose one from the list below. ***Band***

Grade Placement: 9-12

Credit: 1

Director Approval

Marching band in the fall can count as PE credit and spring semester can count as ½ credit of fine arts. Therefore, 2 years of band would equal 1 year of PE and 1 year of fine arts.

Theatre Arts (Drama)

Grade Placement: 9-12

Credit: 1

Theatre Arts is designed for the student who is interested in learning basic acting concepts, basic production concepts, voice, movements and characterization. Students will explore the production process through performance of classroom scenes and skits emphasizing learned skills in concentration, creativity, improvisation and pantomime. These skills are learned through games, physical exercises, mental exercises and writing exercises. This course will count as fine arts credit towards graduation.

Theatre Production

Grade Placement: 10-12

Credit: 1

Recommended Prerequisite: Theatre Arts I

The advanced levels of Theatre Arts are for students who wish to concentrate on and practice play production. The course focuses on the more advanced aspects of theatre including scene writing, directing, children's theatre, puppetry, masks, and acting styles. Projects will consist of rehearsing, creating and performing for the public. Some after school time may be required.

Elements of Floral Design

Grade Placement: 10-12

Credit: 1

Prerequisites: None

To be prepared for careers in floral design, students need to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students develop respect for the traditions and contributions of diverse cultures. Students respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

Digital Art & Animation

Grade Placement: 9-12

Credit: 1

Prerequisites: None

In Digital Art & Animation, students will explore many different aspects of multimedia art. Through the use of several different software programs students will learn the basics of image editing, animation, video and sound editing, and fundamental design principles. Industry careers and copyright issues will also be explored.

Additional Electives

College Transition

Grade Placement: 10-11

Credit: 1

Prerequisites: None

This course will consist of teaching the necessary skills for a high school student to make the transition from high school to college. ACT and SAT preparation, college and career research and other important skills will be taught.

Yearbook

Grade Placement: 9-12

Credit: 1

Prerequisite: Teacher approval

In this course, students publish the yearbook for the school district. This course will count as a journalism credit. Teacher approval required. Some after school time may be required.

LOCAL CREDIT COURSES

Student Aid

Grade Placement: 12

Local credit only

Students will be chosen to work in aid positions in the high school office, high school

library, technology office, nurse's office (at all campuses) and the elementary school. Students should indicate on their selection sheet where they want to work. Students will be chosen on special skills, availability and trustworthiness.

Study Skills—Learning lab to provide students with additional academic support.

EOC lab classes—designed for remediation for students who have not passed their EOC STAAR tests. Available in Algebra 1, Biology, English 1, English 2, and US History.

LONE OAK HIGH SCHOOL

CREDIT RECOVERY CENTER (CRC)

MISSION

The mission of Lone Oak High School's credit recovery center (CRC) is to provide Lone Oak High School students with the opportunity to receive credit for a course(s) not mastered in the typical classroom setting. The ultimate goal is to help Lone Oak High School students'

graduate high school in 4 years. The courses have been aligned to the TEKS.

The program is self-paced, which means that each student works as quickly as he or she chooses to work within the minimum percentage guidelines (see grading policy). The student will progress through modules based on his or her own individual skill level.

When courses are complete, the final grade will be transferred to the student's transcript and credit(s) will be awarded.

CRITERIA FOR STUDENT ACCEPTANCE TO THE CENTER

1. The counselor will meet with the student to discuss a credit recovery plan.
2. The Credit Recovery Center (CRC) will only be available to Lone Oak High School students.
3. Students who are "at risk" of not graduating high school in 4 years will be considered for the program.
4. The number of students will be limited based on teacher/aid availability.
5. Students will be considered for acceleration for graduation on an individual basis.

CREDIT RECOVERY CENTER REGULATIONS

1. Students are required to follow all Lone Oak High School policies (see LOHS handbook)
2. Students are expected to be on task.
3. Attendance is mandatory. Students are expected to be in attendance EVERY school day. There will be no makeup days. Students who miss more days than allowed at LOHS will be subject to receiving NG (no grade) for courses completed in the credit recovery program.
4. Students will face serious consequences for computer vandalism or any violation of the Acceptable Use Policy of Lone Oak High School.
5. All work is to be done at school. Course work is not to be accessed from home unless given prior approval.

Failure to follow any of the above regulations may result in removal from the program. Credit Recovery & Credit Advancement is a privilege and failure to work in the lab may result in a loss of this privilege.

SCHEDULING

A student can be assigned to the credit recovery center (CRC) for a period during the day, several periods or the entire school day. Scheduling will be determined on the

individual needs of the student.

SUMMER SCHOOL

The credit recovery center will offer one 4-week term during the summer. Seniors who are “at risk” for not graduating will be considered for summer school spots first, followed by any students who failed a core class during the previous school year. Specific dates and tuition rates will be available at a later time. Summer school will only be available for Lone Oak High School students.