

COURSE DESCRIPTIONS

SCIENCE COURSES

All students entering the 9th grade in 2007 or later are required to have 4 credits in science for the Recommended and Distinguished Graduation Plans. Three of the credits must be: Biology, Chemistry, and Physics. The fourth credit can be any state credit course listed in this section.

It is strongly suggested that students considering college take an Advanced Placement science course. Students planning on careers in the medical fields should consider Advanced Placement Chemistry and/or Advanced Placement Biology as their fourth year science. Students considering careers in engineering or technical fields should consider Advanced Placement Physics and/or Advanced Placement Chemistry. Students considering degrees in the humanities should consider Advanced Placement Environmental Science.

Students may take 2 Science courses during their Junior year only if the 4 year plan includes a science during the Senior year.

COURSE	GRADE	CREDIT
0121 Biology	9	1
0141 Biology Pre AP	9	1
0161 Advanced Placement Biology	11,12	1.5
0261 Chemistry Applied	10,11	1
0211 Chemistry	10,11	1
0231 Chemistry Pre AP	10,11	1
0251 Advanced Placement Chemistry	11,12	1.5
0311 Physics	11,12	1
0371 Physics Pre AP	11,12	1
0361 Advanced Placement Physics C	11,12	1.5
0391 Earth and Space Science	11,12	1
0411 Aquatic Science	12	1
0421 Astronomy	12	1
0441 Advanced Placement Environmental Science	11,12	1
0481 Anatomy and Physiology of Human Systems PreAp	11,12	1
0511 Principles of Technology I	11,12	1
0601,0604 Lab Management	11,12	Local
061H Internship	11,12	Local

0121 Biology

(90 mins. 18 weeks)

1 Credit Grade 9

Biology is a lab-oriented course involving a survey of living systems and their interrelationships. Topics include scientific method, biochemistry, cell structure and function, DNA structure and function, genetics, human body systems, taxonomy, kingdoms and ecology. Laboratory skills and safety procedures are stressed.

0141 Biology I Pre-AP
(90 mins. 18 weeks)
1 Credit Grade 9

This is an accelerated laboratory/lecture course. Topics include scientific method, biochemistry, cell structure and function, DNA structure and function, genetics, human body systems, taxonomy, kingdoms and ecology. Laboratory skills and safety are stressed. Investigations, both individual and group, are integral components of the Pre-AP curriculum and may be performed both inside and/or outside of class.

0161 AP Biology
(45 mins. Fall term, 90 mins. Spring term)

1.5 Credits Grades 11 -12
Prerequisite: Biology or Chemistry
May be taken concurrently with Physics the Junior year.

The advanced placement biology program provides an opportunity for high school students to pursue college level course work and prepare for an exam that allows for college course credit. AP Biology students will be introduced to advanced topics and current aspects of biology, including these areas: biochemistry, cell structure and function, energy transformations, molecular genetics, heredity, natural selection, an overview of organisms and populations, plant and animal physiology, and ecology. Laboratory work is emphasized.

0211 Chemistry
(90 min. – 18 weeks)
1 Credit Grades 10 - 11
Prerequisite: Biology

Chemistry I is a lab-oriented course that introduces the basic concepts of inorganic chemistry. Topics include scientific measurement and calculations, lab skills, atomic structure, chemical formulas, equations and stoichiometry, chemical bonding, states of matter, solutions, acids and bases, and nuclear chemistry. Laboratory skills and safety procedures are stressed.

0231 Chemistry Pre-AP
(90 min. – 18 weeks)
1 Credit Grades 10 – 11
Prerequisite: Biology and Algebra I

Pre-AP Chemistry is a rigorous introductory course for students on an accelerated math and science track. Topics include scientific measurement and calculations, lab skills, atomic structure, chemical formulas, equations and stoichiometry, chemical bonding, states of matter, solutions, acids and bases, and nuclear chemistry. The topics will be covered with more depth of theory and with higher mathematical expectations than level Chemistry. Laboratory skills and safety are stressed. Investigations, both individual and group, are integral components of the Pre-AP curriculum and may be performed both inside and/or outside of class.

0251 AP Chemistry

(90 min. – 18 weeks, Fall term, 45 min. – 18 weeks, Spring term)

1.5 Credit Grades 11 - 12

Prerequisite: Biology, Chemistry (Pre-AP Chemistry recommended), Algebra II

May be taken concurrently with Physics the Junior year

The course is equivalent to an introductory college course in chemistry. The topics covered follow Advanced Placement guidelines and include: atomic structure, balancing chemical equations, stoichiometry, acids and bases, equilibrium, kinetics and periodic trends. Laboratory investigations requiring formal laboratory reports will be performed 1-2 times per week. Students may be required to participate in additional class meetings for laboratory sessions outside of regular school hours to better prepare for the exam in May.

0261 Applied Chemistry

(90 min. – 18 weeks)

1 Credit Grades 10 - 12

Prerequisite: Successful completion of biology, or concurrent school year enrollment in Algebra I. Counselor approval.

Understanding how chemistry applies to daily life is the major emphasis of this course. The topics include scientific measurement and calculations, chemical formulas and equations, stoichiometry, atomic structure, chemical bonding, states of matter, and solutions. This is a course for students with limited mathematics skills.

0311 Physics

(90 min. – 18 weeks)

1 Credit Grades 11 - 12

Prerequisite: Successful completion of Algebra I, Geometry, Biology and Chemistry I

Physics is a lab-oriented course that studies motion and energy. A combination of laboratory experiments and theory are used to develop the following topics: velocity, acceleration, forces, momentum, energy, heat, sound and light.

0371 Physics Pre-AP

(90 min. – 18 weeks)

1 Credit Grades 11 - 12

Prerequisite: Algebra II (Pre-AP/Honors recommended and can be concurrent), Biology, Chemistry

Physics students will use higher level thinking skills to solve conceptual and numerical problems in laboratory investigations and mathematical computations. A combination of laboratory experiments and theory are used to develop the following topics: velocity, acceleration, force, momentum, energy, heat, sound, and light. This course is more mathematically rigorous than level physics.

0361 AP Physics C

(45 min. – 18 weeks, Fall term, 90 mins. – 18 weeks, Spring)

1.5 Credit Grade 11, 12

Prerequisite: Physics, concurrent Calculus enrollment.

AP Physics C is a calculus based college level physics course. It is designed for students who are planning to major in science or engineering. Major topic areas of study include classical mechanics, electricity and magnetism. Problem solving will be rigorous. A variety of hands-on laboratory investigations and inquiry activities will be included.

0391 Earth and Space Science

(90 min. – 18 weeks)

1 Credit Grades 11 – 12

Prerequisite: Successful completion of 3 Credits of Science

Earth and Space Science combines earth science, ocean science, atmospheric science, and space science in a single course. In one year, students learn the basics and special topics of geology, oceanography, meteorology, and planetary astronomy in a course that builds upon the knowledge they learned in their earlier high school science courses of biology, chemistry, and physics. **(Meets 4th science graduation requirements for the Class of 2011 and subsequent years)**

0401 Environmental Systems

(90 min – 18 weeks)

1 Credit Grade 12

Prerequisite: Successful Completion of 3 Credits of Science

This course is designed to provide an overview of the interrelationships of the natural world. It will also examine environmental problems, both natural and human-made, and alternative solutions for resolving and/or preventing them. **(Meets 4th science graduation requirements for the Class of 2011 and subsequent years)**

0411 Aquatic Science

(90 min. – 18 weeks)

1 Credit Grade 12

Prerequisite: Successful completion of 3 credits of Science

This course introduces students to the study of aquatic environments and organisms. Topics include: water quality, chemical and physical properties of water, fresh and salt water plants and animals. Students will participate in field work and be required to use basic algebra skills within the context of scientific problem solving. **(Meets 4th science course graduation requirements for the Class of 2011 and subsequent years)**

0421 Astronomy

(90 min. – 18 weeks)

1 Credit Grade 12

Prerequisite: Successful completion of 3 credits of Science

A study of the cosmos is offered in this course. Topics include: planets, comets and asteroids in our solar system, galaxies, life and death of stars, theories on the evolution of the universe, and instruction on the dynamics and viewing of constellations in the night sky, space flight, history of the sun, the moon, and possibility of life elsewhere. Mathematics is a minor but necessary component of the course. **(Meets 4th science course graduation requirements for the Class of 2011 and subsequent years)**

0441 AP Environmental Science
(90 min. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: Biology, Chemistry and Algebra I

The Advanced Placement course in Environmental Science is designed to be the equivalent of a one-semester, introductory college course in environmental science. Its goal is to provide students with the scientific principles, concepts, and methodologies to understand the interrelationships of the natural world; to identify and analyze environmental problems, both natural and human-made; to evaluate the relative risks associated with these problems; and to examine alternative solutions for resolving and/or preventing them. **(Meets 4th science course graduation requirements for the Class of 2011 and subsequent years)**

0481 Anatomy and Physiology of Human Systems PreAP
(90 min. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: Biology I and Chemistry I

This course is an in-depth study of the systems of the human body. Each system is investigated using illustrations, microscope slide studies, physiological experiments, computer simulations, and detailed dissections of the cat. **(Meets 4th science course graduation requirements for the Class of 2011 and subsequent years)**

0511 Principles of Technology I
(90 min. – 18 weeks)
1 Credit Grade 11 - 12
Prerequisite: Biology, Chemistry, Algebra I and Counselor approval

Students taking this course will use a systems approach to investigate mechanical, fluid, electrical and thermal systems. Additional topic will include: motion, force, work, rate, resistance, power, and energy transformations. A variety of hands-on laboratory investigations and inquiry activities will be included.

0601 Lab Management (Local Credit)
(90 min. - 18 weeks)
.5 to 1 Local Credit Grades 11, 12
Prerequisite: Completion of or concurrent enrollment in A.P. Chemistry
Interview with Lab Management Instructor.

Students help prepare, distribute and clean up lab set-ups for science. Students will prepare solutions, perform standardization titrations, and help maintain stockroom organization. Good organizational skills are necessary.

0604 Laboratory Management
(45 min. – 18 or 36 weeks)
.5 to 1 Local credit Grades 11, 12
Prerequisite: Completion of or Concurrent enrollment of A.P. Chemistry
Interview with Lab Management Instructor

Students help prepare, distribute and clean up lab set-ups for science. Students

will prepare solutions, perform standardization titrations, and help maintain stockroom organization. Good organizational skills are necessary.

061H Internship (Local Credit)
(Summer by arrangement)
.5 Local Credit Grades 11 – 12

Internship Program places students into a variety of scientific, technical, medical, and other professional setting in the CISD community for four weeks in June. Each student is evaluated by his/her mentor during the internship and is visited by a CISD internship sponsor. Students accepted into this program are offered the option of earning one-half unit of local credit. To earn one-half unit of local credit for internship, the student must complete a presentation to peers and to the campus internship co-coordinator.

HEALTH COURSES

.5 unit of Health is required for all graduation programs. Students may substitute K3504, Principles of Health Science to satisfy this requirement.

080H Health
(90 min. – 9 weeks)
.5 Credit Grades 9 – 12

0803 Health
(45 min. – 18 weeks)
.5 Credit Grades 9 – 12

Prerequisite: None

This course helps students acquire the information necessary to become healthy adults and learn behaviors in which they should or should not participate. Students use problem solving, research and goal setting to gain knowledge and skills useful in making decisions in the areas of nutrition, CPR and First Aid, maturity, diseases (including STDs) and drug use.

SOCIAL SCIENCE COURSES

Social Science courses explore The Individual as Citizen. Lifelong personal skills, which allow students to become active citizens, are developed through a study of United States History, World History, World Geography, U. S. Government and Economics. In addition to specific content, students learn investigative skills and participate in activities, which teach respect for self and others, explore democratic beliefs and incumbent personal responsibilities and investigate the American economic system.

Course #		Grade	Credit
1001	World Geography	9-12	1
1004	World Geography	9	1
1021	World Geography Pre AP	9-10	1
1024	World Geography Pre AP	9	1
1031	AP Human Geography	10-12	1
1051	World History	10-11	1
1071	World History Pre AP	10-11	1
1081	Advanced Placement World History	10	1
1101	U. S. History	11	1
1111	U. S. History Honors	11	1
1121	Advanced Placement U. S. History	11	1
115H,1153	U. S. Government	12	.5
116H,1163	U. S. Government, Honors	12	.5
1171,1173	Advanced Placement U.S. Gov	12	.5
120H,1203	Economics	12	.5
121H,1213	Economics Honors	12	.5
1221,1223	Advanced Placement Macroeconomics	12	.5
1291	Advanced Placement European History	10-12	1
134H,1343	Psychology	11-12	.5
1351	Advanced Placement Psychology	11-12	.5
1453	Sp. Topics – Bible Literacy	11-12	.5
154H,1543	Teen Leadership	9-12	.5

1001 World Geography
 (90 min. – 18 weeks)
 1 Credit Grades 9 – 12
 Prerequisite: None

1004 World Geography
 (45 min. – 36 weeks)
 1 Credit Grade 9
 Prerequisite: None

In World Geography studies, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography.

1021 World Geography Pre-AP
 (90 min. – 18 weeks)
 1 Credit Grade 9 – 10
 Prerequisite: None

1024 World Geography Pre-AP
 (45 min. – 36 weeks)
 1 Credit Grade 9
 Prerequisite: None

The skills and strategies developed in this course are to prepare students for Advanced Placement courses.

- 1031 AP Human Geography**
(90 min. – 18 weeks)
1 Credit Grades 10 - 12
Prerequisite: World Geography

This class is equivalent to an introductory one semester college course. The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface.

- 1051 World History Studies**
(90 min. – 18 weeks)
1 Credit Grade 10 - 11
Prerequisite: World Geography

World History Studies is the only course offering students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events and issues from earliest times to the present.

- 1071 World History PreAP**
(90 min. – 18 weeks)
1 Credit Grades 10 - 11
Prerequisite: World Geography

This course is a survey of world history from 3500 BC to the present. This survey includes the study of the history and development of a selection of world cultures concentrating on political, social, and economic factors. This course requires a proficiency in critical thinking and writing skills. There is an emphasis on building analytical skills using primary sources. Students should be self-motivated and expect a minimum of one hour of homework per night.

- 1081 Advanced Placement World History**
(90 min. – 18 weeks)
1 Credit Grade 10
Prerequisite: World Geography

This course is equivalent to an introductory college course in World History. The purpose of this course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies.

- 1101 US History**
(90 min. – 18 weeks)
1 Credit Grade 11
Prerequisite: World History

Students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War, and post Cold War eras, and reform movements including civil rights.

1111 US History Honors
(90 min. – 18 weeks)
1 Credit Grade 11
Prerequisite: World History

This United States course is a survey covering the period of post-Reconstruction (1877) to the present time. Students study political, economic, social, intellectual, religious and geographic influences on the development of American history. Emphasis is placed on the developing American government and historical world diplomacy. Honors students at this level are expected to have a strong work ethic, as well as strong writing and researching skills. The course covers a smaller time frame (1877 to present) than AP but does a much more in-depth, analytical coverage into the motivations behind various historical events. Thorough use and understanding of critical thinking skills like evaluation, summary, analysis are used to evaluate primary sources.

1121 AP US History
(90 min. – 18 weeks)
1 Credit Grade 11 - 12
Prerequisite: World History

This course is equivalent to an introductory college course in US History. This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States History.

115H Government
(90 min. – 9 weeks)
.5 Credit Grade 12
Prerequisite: U.S. History

1153 U.S. Government
(45 min. – 18 weeks)
.5 Credit Grade 12
Prerequisite: U.S. History

In Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels.

116H Government Honors
(90 min. – 9 weeks)
.5 Credit Grade 12
Prerequisite: U.S. History

1163 U.S. Government Honors
(45 min. – 18 weeks)
.5 Credit Grade 12
Prerequisite: U.S. History

Students examine current issues and affairs, the political events of both past and present, and an in-depth coverage of the Constitution and law, as well as an evaluation of the checks and balances maintaining American democracy. This course is fast-paced and

students must be self-motivated and enjoy being challenged academically. In addition to the general course requirements for U. S. Government, this course requires highly developed reading and writing skills. Students should have a serious commitment to developing competency in analytical skills, essay writing, and evaluative reading on a college level.

1171 AP Government
(90 min. – 18 weeks)
.5 Credit Grade 12

1173 AP Government
(45 min. – 18 weeks)
.5 Credit Grade 12

Prerequisite: U.S. History

This class is equivalent to a one semester introductory college course in US Government and Politics.

120H Economics with Emphasis on the Free Enterprise System
(90 min. – 9 weeks)
.5 Credit Grade 12

1203 Economics with Emphasis on the Free Enterprise System
(45 min. – 18 weeks)
.5 Credit Grade 12

Prerequisite: U.S. History

The focus is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world.

121H Economics with Emphasis on the Free Enterprise System - Honors
(90 min. – 9 weeks)
.5 Credit Grade 12

1213 Economics with Emphasis on the Free Enterprise System - Honors
(45 min. – 18 weeks)
.5 Credit Grade 12

Prerequisite: U.S. History

In addition to the general requirements of the economics course, students should be comfortable reading and interpreting a college-level textbook. This course delves into the intricate nature of fiscal policy in American government and in the today's economy. Students should have a serious commitment to developing competency in analytical skills, essay writing, and evaluative reading on a college level. They must be self-motivated and enjoy being challenged academically in a fast-paced course.

1221 AP Economics (Macroeconomics)

(90 min. – 18 weeks)
.5 Credit Grade 12

1223 AP Economics (Macroeconomics)

(45 min. – 18 weeks)
.5 Credit Grade 12

Prerequisite: U.S. History

This course is equivalent to an introductory one semester college course in Economics. The purpose of this course is to give students an understanding the principles of economics that apply to an economic system as a whole. Emphasis is placed on the study of national income and price level determination, and also develops student's familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

1291 AP European History

(90 min. – 18 weeks)
1 Credit Grade 10 – 12

Prerequisite: World Geography

This class is equivalent to an introductory college course. The study of European History since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live.

134H Psychology

(90 min. – 9 weeks)
.5 Credit Grade 11 - 12

1343 Psychology

(45 min. – 18 weeks)
.5 Credit Grade 11- 12

Prerequisite: None

In Psychology students consider the development of the individual and the personality. The study of psychology is based on an historical framework and relies on effective collection and analysis of data. Students study topics such as theories of human development, personality, motivation, and learning.

1351 AP Psychology

(90 min. – 18 weeks)
.5 Credit Grade 11 – 12

Prerequisite: World Geography and World History

This class is equivalent to an introductory college course in Psychology. This course is designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. This course contains a strong emphasis on college level terminology. It follows the prescribed Advanced Placement curriculum to prepare students for the AP exam in May.

1453 Special Topics (Bible Literacy and Western Civilization)

(45- min 18 weeks)

.5 credit

Grade 11 – 12

This course includes the content and history of the Hebrew Scriptures and New Testament. The curriculum will also familiarize students with the influence of the Bible on law, history, literature, and the culture of western civilization. *This course maintains religious neutrality and accommodates the diverse religious views, traditions, and perspectives of students. This course does not endorse, favor, or promote, or disfavor or show hostility toward any particular religion or nonreligious faith or religious perspective.*

154H Teen Leadership

(90 min. – 9 weeks)

.5 Credit

Grade 9 - 12

1543 Teen Leadership

(45 min. – 18 weeks)

.5 Credit

Grade 9 – 12

Prerequisite: None

This program will help students develop communication, leadership, professional and business skills. Students will also develop an understanding of the concept of principle-based decision-making and the need for vision goal-setting.

MATHEMATICS COURSES

Four credit units of mathematics are required for graduation. Students must complete Algebra I, Geometry, and Algebra II. Students who fail one semester of Algebra I, Geometry, or Algebra II must repeat the entire course. The exception to this is the failure of semester A and passing semester B with an overall average of 70 as per district policy.

Students completing Algebra I and/or Geometry at 7th and 8th grade are required to take 3 more years of mathematics at grades 9-12.

Please note the graduation requirements beginning on page 4 in this guide.

Course #	Subject	Grade	Credit
1621	Algebra I	9	1
1591	Algebra I Honors	9	1
1641	Geometry	9-12	1
1651	Geometry PreAP	9-10	1
1661	Mathematical Models with Applications	11-12	1
1671	Algebra II	10-12	1
1681	Algebra II PreAP	10-11	1
N1681	Algebra II Pre AP (G/T)	9	1
1701	Pre-Calculus	11-12	1
1711	PreCalculus PreAP	11-12	1
1711G	PreCalculus G/T	11	1
1771	Advanced PreCalculus (G/T)	11	1
1751	Advanced Placement Calculus	12	1.5
1761	Advanced Placement Calculus BC	12	1.5
1741	Advanced Placement Statistics	10-12	1
1891	(Independent Study) Introd. to Algebra for College	11-12	1
234H	Advanced PSAT	11	Local
8631	Advanced Placement Computer Science	11-12	1

1591 Algebra I H
 (90 min. – 18 weeks)
 1 Credit Grade 9

While covering the same basic objectives of the 162 Algebra I course, students in this course will be challenged with assignments requiring higher order thinking skills.

1621 Algebra I
 (90 min. – 18 weeks)
 1 Credit Grade 9

Students will build on the basic foundation of concepts presented in K-8 Mathematics, use symbols to study relationships among quantities, functions to represent and model problem situations, and analyze and interpret relationships. Students will work in many situations to set up equations, use a variety of methods to solve meaningful problems and will continually use problem solving, computation in problem-solving contexts, language and communication, connections within and outside of mathematics, and reasoning, as well as multiple representations, applications and modeling, and justification and proof.

1641 Geometry
(90 min. – 18 weeks)
1 Credit Grades 9 - 12
Prerequisite: Algebra I

Students will build on the basic foundation of concepts presented in K-8 Mathematics and Algebra I, use geometric thinking to understand mathematical concepts and relationships among them, study properties and relationships having to do with size, shape, location, direction, and orientation of one, two, and three-dimensional figures. Students will perceive the connection between geometry and the real and mathematical worlds and use geometrical ideas, relationships, and properties to solve problems. Students will use a variety of representations (concrete, pictorial, algebraic, and coordinate), tools, and technology to solve meaningful problems by representing figures, transforming figures, analyzing relationships among figures, and proving concepts related to figures.

1651 Geometry PreAP
(90 min. – 18 weeks)
1 Credit Grades 9 – 10
Prerequisite: Algebra 1

While covering the same basic objectives of the 164 Geometry course, students in this course will be challenged with assignments requiring exploration, abstract and higher order thinking skills and be required to synthesize their knowledge of postulates and theorems to organize and construct detailed proofs of more complex mathematical theorems. Successful students are willing to devote time to memorizing basic theorems and postulates. Upon successful completion of this course, students can be approved for Algebra II Honors/Pre AP (168).

1661 Mathematical Models
(90 min. – 18 weeks)
1 Credit Grades 11 - 12
Prerequisite: Geometry and Algebra 1

Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines and mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations.

1671 Algebra II
(90 min. – 18 weeks)
1 Credit Grades 10 - 12
Prerequisite: Geometry and Algebra 1

Students will build on the foundation presented in Algebra I and Geometry. This includes continued study of linear and quadratic functions, graphing skills, and systems of equations and inequalities. New topics include, but are not limited to, matrices, functions (logarithmic, exponential, polynomial, rational, and piecewise) and conic sections. Students will use multiple representations, technology, and applications for better understanding of these concepts. This course is critical for students who wish to continue in higher mathematics.

1681 Algebra II PreAP
(90 min. – 18 weeks)
1 Credit Grades 10 - 11

N1681 Algebra II PreAP (G/T)
(90 min. – 18 weeks)
1 Credit Grade 9

Prerequisite: Geometry (PreAP/GT recommended)

While covering the same basic objectives of the 167 Algebra II course, students in this course will be challenged with assignments requiring abstract and higher order thinking skills. This course provides a solid foundation for upper-level mathematics courses. Graphing calculators will be used extensively as students incorporate technology to discover generalizations of concepts and apply these concepts to realistic situations. Students may learn several methods for solving a problem and will be required to choose the most efficient method to complete the task.

1701 PreCalculus
(90 min. – 18 weeks)
1 Credit Grades 11 - 12
Prerequisite: Algebra II

Pre-Calculus is a preparatory course for Calculus. The course expands on the Geometry and Algebra II curriculum. Topics covered include polynomial functions, exponential functions, logarithmic functions, circular functions, trigonometry, inequalities, complex numbers, sequences and series, parametric equations, conic sections, and vectors. There is an emphasis of higher level thinking with a strong emphasis on graphing applications. Graphing calculators are used extensively.

1711 PreCalculus PreAP
(90 min. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: Algebra II (PreAP recommended)

Pre-Calculus Pre-AP is a preparatory course for Advanced Placement Calculus. The course expands on the Algebra II Pre-AP curriculum and introduces trigonometry, polar equations, vectors, and sequences and series. There is an expectation of higher level mathematical thinking skills with an emphasis on applications.

1741 AP Statistics
(90 min. – 18 weeks)
1 Credit Grades 10 - 12
Prerequisite: Algebra II (PreAP recommended)
Cost of additional materials and supplies: \$5

This course prepares students for the Advanced Placement Statistics Exam in May and requires students to collect, interpret, summarize, and compare various distributions of data. The topics for AP Statistics are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Graphing calculators with statistical software such as the TI-83/84 or TI-89 are used extensively. A lab fee may be assessed.

1751 Calculus AB – Advanced Placement

(90 min.-18 weeks in the Fall and 45 min.-18 weeks in the Spring)

1.5 credit Grade 12

Prerequisite: PreCal (PreAP recommended)

Students receive 1 credit for AP Calculus AB(Fall) and .5 credit for AP Calculus BC (Spring).

The study of calculus is no longer limited to those preparing for careers in mathematics and sciences. The need and demand for students in business and social sciences who can design procedures as well as predict and relate principles of higher mathematics are increasing dramatically. This course emphasizes the various types and applications of differentiation and integration as daily and can take approximately one hour and a half to complete. A Barron's study guide is used to aid in preparation for the Advanced Placement Exam. Success on the Advanced Placement AB Examination in May can result in 3-4 hours college credit for calculus.

1761 Calculus BC – Advanced Placement

(90 min. – 18 weeks Fall term and 45 min. – 18 weeks Spring term)

1.5 Credit Grade 12

Prerequisite: PreCalculus PreAP

Students receive .5 credit for AP Calculus AB semester B (Fall), .5 credit for AP Calculus BC semester A (Fall) and .5 credit for AP Calculus BC semester B (Spring).

This course is for highly motivated math oriented students who desire the challenge of a college course. The curriculum includes all AB topics plus methods of integration, calculus of polar functions, parametric functions and vectors, sequences and series including Taylor and McClaurin functions. Six to eight hours of college credit are possible with a successful score on the AP/BC exam in May.

Homework is assigned daily and can take approximately one and a half hours to complete. A Barron's study guide is used to aid in preparation for the Advanced Placement Exam.

1891 Independent Study: Introduction to Algebra for College

(90 min. – 18 weeks)

1 Credit Grades 11 - 12

Prerequisite: Algebra II

Algebra for a College is a course for students who have passed Algebra II and desire an additional math course before college. It is not intended for those students who have successfully completed Pre-Calculus. This course is designed to provide the student with a background in fundamental algebraic skills.

234H Advanced PSAT

(90 min. – 9 weeks)

Local Credit Grade 11

Prerequisite: Counselor Approval, Completion of Algebra II as a sophomore, enrollment in English III Honors or AP English III as a junior.

This class is taught the first 9 weeks of the school year and ends prior to the PSAT test.

Advanced PSAT Studies will prepare students for the verbal and math portions of the PSAT. The verbal portion focuses on vocabulary expansion, critical reading skills, sentence completion skills, and writing/grammar skills for the PSAT. The math portion of the PSAT focuses on number and operations, algebra and functions, geometry and measurement, and data analysis, statistics and probability. Students will learn the skills necessary to work the problems from these areas with emphasis on the more difficult problems. The focus of this class is content based and not the same as that of the Learning Strategies NMRP/PSAT course. Students should have a serious commitment to improving their PSAT scores and be self motivated. Class size is limited to 60

students. Students will be asked to purchase Collegeboard's The Official SAT Study Guide to use in class.

8631 AP Computer Science A
 (90 – min 18 weeks)
 1 Credit Grade 11 – 12
 Prerequisite: AP criteria, successful completion of Algebra II

Cost of materials and supplies: \$15

This course follows the Computer Science Advanced Placement Guidelines. The course will be taught using the programming language Java.
 This course satisfies the 4th Math requirement for the Recommended and Distinguished graduation plan.

COMPUTER SCIENCE			
Course #	Subject	Grade	Credit
8601	Computer Science I PreAP	10-12	1
8611	Computer Science II PreAP	10-12	1
8631	Advanced Placement Computer Science A	10-12	1

8601 Computer Science I PreAP
 (90 min.-18 weeks)
 1 Credit Grades 10-12
 Prerequisite: Successful completion of Algebra II or concurrent enrollment in Algebra II with grade of B in Algebra I and Geometry.

Cost of Materials and Supplies: \$15

This course is designed to provide an in-depth study of the major components of computer science. Course content will include programming methodologies, simple data structures, algorithms, computing applications, and an introduction to Object Oriented Programming. The program language used is Java.

8611 Computer Science II PreAP
 (90 min. – 18 weeks)
 1 Credit Grades 10 – 12
 Prerequisite: Computer Science I PreAP

Cost of Materials and Supplies: \$15

Computer Science II is a continuation of the object oriented programming techniques studied in Computer Science I. Course is taught using the Java programming language. Topics include advanced programming algorithms and data structures including Java Collections, big-O analysis, sorting techniques, recursion, linked lists, stacks, queues, and trees.

8631 AP Computer Science (A)
 (90 min.-18 weeks, Fall term)

1 Credit Grades 10 - 12
Prerequisite: AP Criteria, Successful completion of Algebra II

Cost of Material and Supplies: \$15

This course follows the Computer Science Advanced Placement Guidelines. The course will be taught using the programming language Java.
This course satisfies the 4th Math requirement for the Recommended and Distinguished graduation plan.

ENGLISH/LANGUAGE ARTS COURSES

Courses in the English/Language Arts department are designed to facilitate students' abilities to communicate. Through reading recognized works and major authors, students will appreciate their literary heritage and gain additional insights into history and today's world. The goals of these courses are to apply and extend students' abilities to read, write, speak and listen as they prepare for a career or further education. Students are required to take four full years of English and earn four credits.

COURSE #		GRADE	CREDIT
2001	English I	9	1
2021	English I Pre AP	9	1
2061	English II	10	1
2081	English II Pre AP	10	1
2121	English III	11	1
2131	English III Honors	11	1
2141	Advanced Placement English III Language	11	1
2181	English IV	12	1
2191	English IV Honors	12	1
2201	Advanced Placement English IV Literature	12	1
M2191A/B	Dual Credit English 4 (1301/1302)	12	1
2241	English I SOL (English for Speakers of Other Languages)	9-12	1
2244	English I SOL (English for Speakers of Other Languages)	9-12	1
2251	English II SOL (English for Speakers of Other Languages)	10-12	1
2254	English II SOL (English for Speakers of Other Languages)	10-12	1
2371	Reading I (ESL)	10-12	1
2381	Reading II (ESL)	10-12	1
2391	Reading III (ESL)	11-12	1
2291	Humanities	11-12	1
228H	Creative Writing	11-12	.5
2281	Creative Writing	11-12	1
232H,2323	Practical Writing	9	.5
2461	Five I (Literary Magazine I)	11-12	1
2471	Five II (Literary Magazine II)	11-12	1
236H	Reading Application (SAT Prep)	10-12	.5
2363	Reading Application (SAT Prep)	10-12	.5
234H	Advanced PSAT	11	Local
2411	Journalism I	10-12	1
2414	Journalism I	9	1
2501	Newspaper I	10-12	1
2511	Newspaper II	10-12	1
2521	Newspaper III	11-12	1
2531	Independent Study-Newspaper	11-12	1
8711	Desktop Publishing-Newspaper/Yearbook	12	1
2541	Yearbook I	10-12	1
2551	Yearbook II	10-12	1
2561	Yearbook III	11-12	1
2571	Independent Study-Yearbook	12	1

2001 English I
 (90 min. – 18 weeks)
 1 Credit Grade 9
 Prerequisite: None

In English I, students practice writing with an emphasis placed on organizing logical arguments with clearly expressed related definitions, theses, and evidence. Students write to persuade, to report, and to describe. English I students read extensively in multiple genres from world literature originally written in English or translated to English.

2021 English I Pre- AP
(90 min. – 18 weeks)
1 Credit Grade 9

This course offers an in-depth study of world literature from multiple genres. Students read and write extensively as they explore the significance of historical context, as well as literary forms, terms, and techniques. Clarity, logic, and the ability to formulate and defend a thesis statement are key components of writing instruction and practice. Students not only complete compositions outside of class, but also write in-class essays in response to literary-style analysis selections. With each type of writing, students are expected to plan, draft, and edit their work. The conventions and mechanics of writing are continuously addressed to facilitate the writing process.

2061 English II
(90 min. - 18 weeks)
1 Credit Grade 10
Prerequisite: English I

In English II, students practice writing with an emphasis placed on persuasive forms of writing such as logical arguments, expressions of opinion, and personal forms of writing which may include a response to literature, a reflective essay, or an autobiographical narrative. English II students read extensively in multiple genres from world literature originally written in English or translated to English.

2081 English II Pre-AP
(90 min. – 18 weeks)
1 Credit Grade 10
Prerequisite: English I

This course focuses on an in-depth analysis of world literature from multiple genres. Students read and write extensively as they interpret influences of the historical context on a literary work and learn literary forms and terms associated with the readings. All modes of writing are practiced with an emphasis on persuasive forms. These essays include formal compositions as well as more personal forms such as the personal narrative essay. With each type of writing, students are expected to plan, draft, edit, and complete their work. The conventions and mechanics of writing are continuously reviewed and practiced in order to facilitate the writing process.

2121 English III
(90 min. – 18 weeks)
1 Credit Grade 11
Prerequisite: English II

In English III, students study American Literature including its major periods, themes, works and authors. Persuasive and analytical writings, the personal narrative and the research papers, as well as grammar and usage, are all addressed.

2131 English III Honors
(90 min. – 18 weeks)
1 Credit Grade 11
Prerequisite: English II

This in-depth study of American literature will provide students with an opportunity to recognize and evaluate major periods, authors, themes, works, and forms of American literature. Analytical reading and writing, research, and English grammar and usage will be addressed. This honors course exceeds the traditional requirements through content, process, and product.

2141 AP English Language III
(90 min. – 18 weeks)
1 Credit Grade 11
Prerequisite: English II (PreAP recommended)

This course prepares students for the AP Language and Composition exam. It trains students to become skilled readers and writers in diverse genres and modes of composition. This focus ultimately enables students to independently read and understand complex texts and write rich, effective prose in response to those texts. As the course progresses, students become aware of their own composition process through self-assessment and evaluations by both peers and the instructor. These skills will allow the student to read critically and write effectively in different modes in the college classroom and beyond.

2181 English IV
(90 min. – 18 weeks)
1 Credit Grade 11
Prerequisite: English III

In English IV, students are expected to write in a variety of forms, including business, personal, literary, and persuasive texts. English IV students read extensively in multiple genres from British literature and other world literature originally written in English or translated to English.

2191 English IV H
(90 min. – 18 weeks)
1 Credit - Grade 12
Prerequisite: English III

This in-depth study of British literature presents a chronological survey from Beowulf to modern times. Emphasis is placed on improving composition skills, using various forms of discourse and patterns of organization, and reviewing grammar and language usage. Students will be able to read with a critical focus by penetrating deeper into both the content of literature and the analysis of that content. Critical findings will be organized around a central idea in composition. Extensive vocabulary enrichment will enhance mastery of the English language. Students are encouraged to purchase the MLA handbook as it will be used extensively.

2201 AP English Literature IV

(90 min – 18 weeks Fall term, 45 min. – 18 weeks Spring term)

1 Credit Grade 12 (.5 credit for fall term and .5 credit for spring term)

Prerequisite: English III (Honors or AP recommended)

This course emphasizes both effective and critical reading in preparation for the Advanced Placement Literature exam. Concepts of grammar and language usage will be reviewed and extended. A study of literary genres trains students to analyze the fictional, poetic, and dramatic elements of literary texts and to read to appreciate the writer's craft. The course emphasizes effective critical reading as well as college-level writing skills in preparation for the Advanced Placement Literature exam and for success in college writing.

M2191 Dual Credit English IV (1301/1302)

90 min – 18 weeks for English IVA and 1301 College English (Fall)

90 min – 18 weeks for English IVB and 1302 College English (Spring)

English IVA - .5 high school credit; 1301 – 3 college credits

English IVB - .5 high school credit; 1302 - 3 college credits

Grade: 12

Prerequisite: English III, enrollment at TWHS, enrollment in Lone Star System-Montgomery.

This course combines British and world literature with Montgomery College 1302 Composition and Rhetoric II. The course emphasizes both effective and critical reading and writing. Through intensive analysis of a variety of literary genres and styles, the students acquire greater appreciation of excellent writing, while also improving their own writing ability. The student must meet all Montgomery College requirements prior to the course beginning.

Note: Classes for this program meet at TWHS. They satisfy requirements for both English IV and 1301 – 02 College English. The curriculum for English IV Honors is followed, completing English IVA in the fall and English IVB in the spring. The college curriculum is followed as mandated by Montgomery College.

2241 English I SOL

(90 min. – 18 weeks)

1 Credit Grades 10 –12

2244 English I SOL

(45 min. – 36 weeks)

1 Credit Grades 9 - 12

2251 English II SOL

(90 min. – 18 weeks)

1 Credit Grades 10 –12

2254 English II SOL

(45 min. 36 weeks)

1 Credit Grades 10 -12

This course is available to those students who have been identified as Limited English Proficient. The curriculum emphasizes the development of listening, speaking, reading, writing and culture. Only two credits of ESOL may count as English credits for graduation.

2371 Reading I

(90 min. – 18 weeks)

1 Credit Grades 10 –12

Prerequisite: Counselor Approval, English II SOL

2381 Reading II

(90 min. – 18 weeks)

1 Credit Grades 10 –12

Prerequisite: Counselor Approval, English II SOL

2391 Reading III

(90 min. – 18 weeks)

1 Credit Grades 11 – 12

Prerequisite: Counselor Approval, English II SOL

Reading I, II, and III offers students instruction in word recognition and comprehension strategies and vocabulary. Students are given opportunities to locate information in varied sources, to read critically, to evaluate sources, and to draw supportable conclusions. Students learn how various texts are organized and how authors choose language for effect.

ENGLISH/LANGUAGE ARTS ELECTIVES

The following courses are electives and do not count toward the four English credits required for graduation.

228H Creative/Imaginative Writing

(90 min. – 9 weeks)

.5 Credit Grades 11- 12

Prerequisite: English II

2281 Creative/Imaginative Writing

(90 min. – 18 weeks)

1 Credit Grades 11- 12

Prerequisite: English II

The study of creative and imaginative writing allows high school students to earn one-half to one credit while developing versatile skills in essay, poetic, dramatic, and short story forms of writing. All students are expected to demonstrate the recursive nature of the writing process, applying the conventions of usage and mechanics of written English, and analyzing and discussing both published and unpublished writers' pieces and methods, in order to set personal goals for writing.

2291 Humanities

(90 min. – 18 weeks)

1 credit Grade 11 - 12

Prerequisite: English II

Humanities is an interdisciplinary course that includes the study of major historical and cultural movements and their relationship to literature, fine arts, and the social sciences. This is a rigorous course of study in which students show an in-depth understanding of creative achievements in the arts and literature and how these various art forms reflect history. Participation and assessment include class discussions, oral presentations, creative projects, journals, readings, and written responses.

232H Practical Writing
(90-min. 9 weeks)
.5 Credit Grade 9
Prerequisite: None

2323 Practical Writing
(45 min. – 18 weeks)
.5 Credit Grade 9
Prerequisite: None

This study of writing allows high school students to earn one-half to one credit while developing skills necessary for writing to a specific purpose, such as business writing or writing to a prompt. This course emphasizes skill in the use of the conventions of grammar and usage of written English, the effective use of vocabulary, and a basic understanding of the recursive nature of the writing process.

234H Advanced PSAT Studies
(90 min. - 9 weeks)
Local credit Grade 11
Prerequisite: Counselor Approval, Completion of Algebra II as a sophomore, enrollment in English III Honors or AP English III as a junior.
This class is taught the first 9 weeks of the school year and ends just prior to the PSAT test.

Advanced PSAT Studies will prepare students for the verbal and math portions of the PSAT. The verbal portion focuses on vocabulary expansion, critical reading skills, sentence completion skills, and writing/grammar skills for the PSAT. The math portion of the PSAT focuses on number and operations, algebra and functions, geometry and measurement, and data analysis, statistics and probability. Students will learn the skills necessary to work the problems from these areas with emphasis on the more difficult problems. The focus of this class is content based and not the same as that of the Learning Strategies NMRP/PSAT course. Students should have a serious commitment to improving their PSAT scores and be self motivated. Class size is limited to 60 students. Students will be asked to purchase Collegeboard's The Official SAT Study Guide to use in class.

236H Reading Applications and Study Skills (PSAT/SAT/ACT Preparation)
(90 min. – 9 weeks)
.5 credit Grade 10 – 12
Prerequisite: None

2363 Reading Applications and Study Skills (PSAT/SAT/ACT Preparation)
(45 min. – 18 weeks)
.5 credit Grade 10 – 12
Prerequisite: None

This course focuses on skills necessary to enhance performance on the PSAT, SAT or ACT test. Vocabulary expansion, reading accuracy and speed, test format, score reports and college-bound goal setting are components. The course moves toward in-depth analysis of brief, nonfiction passages, guiding students toward mastery of critical reading skills necessary to comprehend not only test passages, but also college textbook readings.

2461 The Fife I (Literary Magazine Production)

(90 min. – 18 weeks)

1 Credit Grades 11 - 12

Prerequisite: English II, Creative Writing, Teacher Approval

This course allows students to participate in publishing The Woodlands High School's literary magazine, The Fife. Students learn all aspects of magazine production: soliciting manuscripts and artwork, editing, layout design, advertising and sales. Students practice literary criticism and creative writing in preparation for production. (This course requires a high degree of student motivation and self-discipline.)

2471 The Fife II (Literary Magazine II)

(90 min. – 18 weeks)

1 credit Grades 11 – 12

Prerequisite: The Fife I, Teacher Approval

This course allows students to further develop magazine production skills and participate in publishing The Woodlands High School literary magazine, The Fife. Students continue to practice literary criticism and creative writing. (This course requires a high degree of student motivation and self-discipline.)

JOURNALISM

2411 Journalism

(90 min. – 18 weeks)

1 credit Grade 10 -1 2

Prerequisite: None

2414 Journalism

(45 min. – 36 weeks)

1 credit Grade 9

Prerequisite: None

This course is concerned with the foundation and development of all phases of scholastic journalism. This includes print and broadcast media and technology, with a primary goal of developing interviewing, writing and reporting skills for all media with respect to news, editorial, feature, column, sports and headline writing. Interviewing skills will be enhanced through individual interviews with students, faculty and administration. This is an intensive writing and research course; students will cover news judgment, writing methodology, reporting and research tools and techniques, copyediting, media law and ethics. Students will receive instruction in AP stylebook and advertising sales.

The prerequisites for all advanced journalism courses are a personal interview, formal application and approval by the teacher. For grades 10 and 12, interviews and approval are with the 10-12 campus teacher. Formal applications are available in the Grade Level offices.

Newspaper

2501 Newspaper I

(90 min. – 18 weeks)

1 credit Grades 10 – 12

Prerequisite: Journalism

2511 Newspaper II

(90 min. – 18 weeks)

1 credit Grades 10 - 12

Prerequisite: Newspaper I

2521 Newspaper III

(90 min. – 18 weeks)

1 credit Grades 11 -12

Prerequisite: Newspaper II

2531 Independent Study Newspaper

(90 min. – 18 weeks)

1 credit Grades 11-12

Prerequisite: Newspaper III

8711 Desktop Publishing - Newspaper

(90 min. – 18 weeks)

1 credit Grade 12 only

Prerequisite: Journalism, Teacher interview, Completion of Formal Application

This course meets the technology requirement for graduation.

Advanced courses involve the production of print publications and broadcast media. Some of the elements covered by the staff members will be writing and editing copy for the newspaper, along with generating electronic layout/designs and graphic art. Students will also receive training in the use of 35mm Single Lens Reflex and digital cameras, as well as darkroom technology.

Production of print media involves learning and becoming proficient in the use of multiple software programs, including but not limited to: Indesign (grades 11-12) Photoshop; Illustrator; and Adobe Acrobat. Such training will provide students with necessary knowledge and skills to create desktop publishing files, save them for service providers and transfer files electronically.

Students are required to finance all publishing costs through sales of advertising, such advertising sales being a part of a student's grade.

Students are required to attend workshops at their expense.

Yearbook

- 2541 Yearbook I**
(90 min. – 18 weeks)
1 credit Grades 10 -12
Prerequisite: Journalism
- 2551 Yearbook II**
(90 min. – 18 weeks)
1 credit Grades 10 -12
Prerequisite: Yearbook I
- 2561 Yearbook III**
(90 min. – 18 weeks)
1 credit Grades 11 -12
Prerequisite: Yearbook II
- 2571 Independent Study - Yearbook**
(90 min. – 18 weeks)
1 credit Grades 11 - 12
Prerequisite: Yearbook III
- 8711 Desktop Publishing - Yearbook**
(90 min. – 18 weeks)
1 credit Grade 12 only
Prerequisite: **Teacher Interview with Desktop Publishing Teacher**; Completion of formal application.
This course meets the technology requirement for graduation.

These courses involve the production of the high school yearbook. Some of the elements covered by the members of the staff will be production of effective graphic art, writing and editing copy, implementing a circulation campaign, selling advertisement to the community, processing and printing photographs to fit an overall page and cooperating with persons and organizations in developing a product.

Advanced courses involve the production of print publications and broadcast media. Some of the elements covered by the staff members will be writing and editing copy for the newspaper, along with generating electronic layout/designs and graphic art. Students will also receive training in the use of 35mm Single Lens Reflex and digital cameras, as well as darkroom technology.

Production of print media involves learning and becoming proficient in the use of multiple software programs, including but not limited to: Indesign (grades 11-12) Photoshop; Illustrator; and Adobe Acrobat. Such training will provide students with necessary knowledge and skills to create desktop publishing files, save them for service providers and transfer files electronically.

Students are required to finance all publishing costs through sales of advertising, such advertising sales being a part of a student's grade.

Students are required to attend workshops at their expense.

SPEECH

Course	Grade	Credit
260H, 2603 Communication Applications	9-12	.5
2611 Debate I	9-12	1
2621 Debate II	10-12	1
2631 Debate III	10-12	1
2641 Independent Study/Debate	11-12	1
2901 IS: Debate (2 nd time taken)	11-12	1
2911 IS: Debate (3 rd time taken)	11-12	1

260H Communication Applications

(90 min. - 9 weeks)
 .5 Credit Grades 9 - 12
 Prerequisite: None

2603 Communication Applications

(45 min. – 18 weeks)
 .5 Credit Grades 9 – 12
 Prerequisite: None

This course fulfills the speech requirement for graduation.

Students will learn communication theory and have the opportunity to develop practical skills for both professional and social communication.

2611 Debate I

(90 min. – 18 weeks)
 1 Credit Grades 9 – 12
 Prerequisite: None

Specific formats of debate will be studied with emphasis on Lincoln Douglas, Policy Debate and Public Forum Debate. Students will research and write affirmative and negative cases, briefs and blocks for various debate resolutions. Students will learn cross-examination, refutation and rebuttal techniques.

2621 Debate II

(90 mins – 18 weeks)
 1 Credit Grades 10 – 12
 Prerequisite: Debate I, Application

This course will provide the student with advanced study of essential elements studied in Debate I as well as the opportunity to participate in debate tournaments. Students are required to compete in a minimum of two debate tournaments.

2631 Debate III

(90 min. – 18 weeks)
 1 Credit Grades 10 – 12
 Prerequisite: Debate II, Application

This course will provide the student with advanced study of essential elements studied in Debate I and II as well as being required to compete in a majority of debate tournaments.

2641 Independent Study in Speech*(Debate)

(90 min. – 18 weeks)

1 Credit Grades 11 – 12

Prerequisite: Debate III, Application

The emphasis of this course is placed on research techniques used in securing information for the current debate topic. Course activities include various debate formats, writing briefs, resolution interpretation, affirmative and negative case construction, argument evaluation and presentation of debate. Participation in debate tournaments is required.

2901 IS: Debate (2nd time taken)

(90 min. – 18 weeks)

1 credit Grades 11- 12

Prerequisite: IS: Debate (2641)

2911 IS: Debate (3rd time taken)

(90 min. – 18 weeks)

1 credit Grades 11- 12

Prerequisite: IS: Debate (2901)

2924 Dyslexic Reading I

(45 – min 36 weeks)

1 Credit Grade 9 - 12

2934 Dyslexic Reading II

(45 – min 36 weeks)

1 Credit Grade 10 – 12

2944 Dyslexic Reading III

(45 – min 36 weeks)

1 Credit Grade 10 – 12

FOREIGN LANGUAGE COURSES

Courses in the foreign language department are designed to offer a basic understanding of a second language, as well as knowledge of the cultures and geography of the countries speaking that language. The emphasis is on student ability to speak and understand another language. Foreign languages require a minimum of 35-40 minutes per night of homework. Students may take from one to five years of French, German, Spanish, Japanese or Chinese. Students completing the Recommended High School Program must complete 2 credits in the same language. Students who complete the Distinguished Achievement Graduation Plan must complete 3 credits of the same foreign language.

Sign language is not taught on our campus but it is a course approved by the Texas Education for foreign language credit. Students who are interested in completing their foreign language credits with Sign Language may do so with dual credit courses taken at Lone Star College and North Harris College. Students should be sure that the two courses of sign language are offered at the College. While Sign Language is accepted for the high school foreign language credit, students should check with prospective universities and colleges to be sure Sign Language will be accepted as the foreign language requirement. See your counselor for additional information. See the requirements in the front section of this catalog for dual credit requirements (available for 11th and 12th grade students who meet dual credit requirements).

Course	Grade	Credit
3001 Spanish I	9-12	1
3004 Spanish I	9-12	1
3011 Spanish II	9-12	1
3014 Spanish II	9-12	1
3121 Spanish III NS	9	1
3031 Spanish III PreAP	10-12	1
3041 Spanish IV PreAP	10-12	1
3071 Spanish V Advanced Placement Language	11-12	1
3201 French I	9-12	1
3204 French I	9	1
3211 French II	9-12	1
3231 French III PreAP	10-12	1
3271 Pre-Advanced Placement French IV	11-12	1
3281 Advanced Placement French V (Language)	11-12	1
3401 German I	9-12	1
3411 German II	10-12	1
3431 German III PreAP	10-12	1
3501 Pre-Advanced Placement German IV	11-12	1
3461 Advanced Placement German V	11-12	1
3701 Japanese I	9-12	1
3711 Japanese II	11-12	1
3721 Japanese III Pre-AP	11-12	1
3731 Japanese IV Pre- AP	11-12	1
3781 Japanese V Advanced Placement	11-12	1
3851 Chinese I	9-12	1
3861 Chinese II	10-12	1
3871 Chinese III PreAp	10-12	1
3891 Chinese IV PreAp	10-12	1
3904 Chinese AP	11-12	1

3001 Spanish I
(90 min. – 18 weeks)
1 Credit Grades 9 – 12

3004 Spanish I
(45 min. – 36 weeks)
1 Credit Grades 9 - 12

This course offers basic understanding of the Spanish language and exposure to the culture of the Spanish-speaking world. Introduction to basic vocabulary and grammar will enable students to learn to discuss everyday topics such as family, school, numbers, time, weather, and closing. Oral and written practices are stressed. Homework and study time require 30 minutes or more daily.

3011 Spanish II
(90 min. – 18 weeks)
1 Credit Grades 10 - 12
Prerequisite: Spanish I

3014 Spanish II
(45 min. – 36 weeks)
1 Credit Grades 9 -12

This course continues the study of language skills important for everyday use. The basic skills of reading, writing, speaking, listening, and understanding the culture are continued. This course emphasizes grammatical concepts. Homework and study time require 45 minutes or more daily.

3031 Spanish III PreAP
(90 min. – 18 weeks)
1 Credit Grades 10 - 12
Prerequisite: Spanish II

This course emphasizes oral and written communication through continued study of conversation, writing, reading, grammar and vocabulary study. Students are also taught to develop higher level thinking skills in Spanish such as synthesis, analysis, and evaluation. Spanish is spoken in the classroom. Homework and study time require 60 minutes or more daily.

3041 Spanish IV PreAP
(90 min. – 18 weeks)
1 Credit Grades 10 –12
Prerequisite: Spanish III PreAP

This course introduces students to skills necessary to prepare them for the Advanced Placement exam in Language which will be taken at the end of AP Spanish V. Students will practice advanced grammar constructions, complete readings in Spanish literature as a source for new vocabulary, subjects for conversation, and topics for essay writing. This class is conducted in Spanish. Homework and study time require 60 minutes or more daily.

3071 Spanish V Advanced Placement Language

(90 min. -18 weeks)

1 Credit Grades 11 – 12

Prerequisite: Spanish IV PreAP

As students prepare to take the AP Spanish Language exam, they will combine all of their skills in areas of listening, reading, writing, and speaking Spanish in a variety of applications. Spanish is spoken in the classroom.

Homework and study time require 60 minutes or more daily.

3121 Spanish III NS

(90 – min 18 weeks)

1 Credit Grade 9

Prerequisite: Spanish II NS

This course is designed for students whose home language is Spanish and who have reading and writing skills beyond the basic level. Students will be given the opportunity to further expand their ability to comprehend, speak, read and write Spanish at a level consistent with their linguistic and cultural strengths.

3201 French I

(90 mins. – 18 weeks)

1 Credit Grades 9 – 12

3204 French I

(45 min. – 36 weeks)

1 Credit Grade 9

This course offers a basic understanding of the French language and the culture and geography of the French-speaking world. Introduction to basic vocabulary and grammar will enable students to learn to discuss simple everyday topics such as family, school, numbers, time, sports, clothing, food, and travel. Oral and written practices are stressed. Homework and study time require approximately 30 minutes daily.

3211 French II

(90 mins. – 18 weeks)

1 Credit Grades 10 – 12

Prerequisite: French I

This course continues the study of language skills, which are important for everyday life. The basic skills of reading, writing, speaking, listening, and understanding the culture are continued.

Homework and study time require approximately 45 minutes daily.

3231 French III PreAP

(90 mins. – 18 weeks)

1 Credit Grades 10 – 12

Prerequisite: French II

This course emphasizes oral and written communication through continued study of conversation, writing, reading, grammar, and vocabulary study. Additional emphasis is placed on the culture and civilization of French speaking people through an introduction

to modern and classic French literature. French is used in the classroom as much as possible.
Homework and study time require 60 minutes daily.

3271 French IV PreAP

(90 mins. – 18 weeks) Fall only
1 Credit Grades 11 – 12
Prerequisite: French III PreAP

This class will introduce students to skills necessary to prepare them for the College Board Advanced Placement exam. Students study French literature, philosophy, culture and language. Students work on advanced study of the structure of the language, concentrating on fine-tuning grammar in preparation for the SAT II. There is a continuing emphasis on oral and written communication through the use of literature from the Middle Ages through the 19th centuries. Most students will not be ready to take the AP exam at the end of the fourth level but will need to continue studying French V. This course is conducted in French.

Homework and study time require 60 minutes or more daily.

3281 AP French V (AP Language)

(90 mins. – 18 weeks) Spring only
1 Credit Grades 11 – 12
Prerequisite: French IV PreAP

This course is designed to continue the study of French literature, philosophy, culture and language. There is a continuing emphasis on oral and written communication through the use of literature from the 17th through the 20th centuries. Students concentrate on fine tuning grammar in preparation for the SAT II and further prepare to take the Advanced Placement exam. This class is conducted in French.

Homework and study time require 60 minutes or more daily.

3401 German I

(90 mins. – 18 weeks)
1 Credit Grades 9 – 12

This course offers a basic understanding of the German language and the culture and geography of the German-speaking world. Students learn the vocabulary for simple everyday topics such as family, school, numbers, time, sports and clothing. Oral and written practices are stressed. Present and past tense verbs, as well as elementary grammar will be presented.

Homework and study time require approximately 30 minutes daily.

3411 German II
(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: German I

This course continues the study of language skills, which are important for everyday life. The basic skills of reading, writing, speaking, listening, and understanding the culture are continued.

Homework and study time require approximately 45 minutes daily.

3431 German III PreAP
(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: German II

This course emphasizes oral and written communication through continued study of conversation, writing, reading, grammar and vocabulary study. German is used in the classroom as much as possible.

Homework and study time require 60 minutes daily.

3501 German IV PreAP
(90 mins. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: German III Pre AP

Students work on advanced study of the structure of the language and concentrate on fine-tuning grammar for SAT II. Skills necessary for the Advanced Placement exam are introduced. Continuing emphasis on oral and written communication is also practiced. A listening program is done at home as part of the course work as well as many writing assignments. This course includes the study of German literature. The class is conducted in German.

Homework and study time require 60 minutes or more daily.

3461 German V Advanced Placement
(90 mins. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: German IV

This is a continuation of the study of German literature and language. Students prepare to take the Advanced Placement Exam combining all of their skills in areas of listening, reading, writing, and speaking in a variety of applications. Students will complete independent reading assignments, write essays, and maintain sustained speech in German. A listening program is done at home as part of the course work. The class is conducted in German.

Homework and study time require 60 minutes or more daily.

3701 Japanese I
(90 mins. – 18 weeks)
1 Credit Grades 9 – 12


This course offers a basic understanding of the Japanese language and culture. Introduction to basic vocabulary and grammar will enable students to function in simple everyday topics; such as self, school/family life, weather, time, numbers, and locations. Oral practice is stressed. Students will practice reading and writing HIRAGANA AND KATAKANA and will learn 20-30 KANJI. Students will write basic sentences using them. They will begin reading basic materials.

3711 Japanese II
(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: Japanese I

Continued study in this course will enable students to function in Japanese situations which are important in everyday life. Students will continue to practice reading and writing HIRAGANA and KATAKANA and will learn about 100 KANJI in this course. Oral activities will be stressed and cultural activities will be the important part of the class. They will continue to read basic materials.

3721 Japanese III Honors
(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: Japanese II

Students will learn colloquial expressions and plain verb endings related to everyday topics so that they will be able to communicate smoothly in more informal situations. They will learn about 200 basic KANJI. They will engage in oral and listening comprehension exercises. They will also continue to practice reading and writing. Cultural activities will continue.



3731 Japanese IV PreAP
(90 mins. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: Japanese III PreAP

Students will read, discuss, and write reports on various topics of everyday life and contemporary Japanese culture. They will learn 150-200 additional KANJI during the course. Students will deal with complex grammar and sentence structured involving passive, causative, causative-passive, and honorific. The class is taught in Japanese.

3781 Japanese V Advanced Placement
(90 mins. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: Japanese IV PreAP

This course is a continuation of the study of Japanese. Students will improve their proficiency and prepare for the Japanese AP language and culture exam by reading and listening to semi-authentic and authentic materials, and presenting short speeches as well as writing short compositions on given topics. Students will also learn an additional kanji during the course. The class will be taught only in Japanese and students are expected to communicate in Japanese in class.

3851 Chinese I

(90 mins. – 18 weeks)

1 Credit Grades 9 – 12

Chinese I is a beginner level Mandarin Chinese. It is designed to help students develop basic Chinese language skills in speaking, reading and writing of modern Chinese by combining textbook materials with hands on explorations of Chinese culture, customs and habits, history, business practice and current events. The class consists of reading, writing, listening, discussion, network exploration, and conversational practice.

Classes focus on teaching Chinese phonetics and tones, vocabulary, sentence structures and grammar. Phonetics, tone exercises and drills ensure that students learn the correct pronunciation and intonation from the beginning. Students will be introduced to Pinyin system (pronunciation) and radical system (Chinese character composition), stroke orders and basic characters. Practical situational texts are used to provide a greater awareness of Chinese culture and society.

At the end of this course, students should be able to engage in simple daily conversation and complete the beginner level ready for Chinese II. The course's objective is to teach about 500 Chinese words and Chinese expressions by the end of the course.

3861 Chinese II

(90 mins. – 18 weeks)

1 Credit Grades 10 – 12

Prerequisite: Chinese I

Chinese II is an elementary level Mandarin Chinese. Students attending Chinese II class should have finished Chinese I or know more than 500 Chinese words or expressions. The course's objective is to expand Chinese words and Chinese expressions up to 1000 by the end of the program. Classes focus on increasing the level of grammar and vocabulary building, listening, reading, speaking and writing skills with the aim of enabling students to express themselves functionally in different contexts. Practical situational texts are used to provide a greater awareness of Chinese culture and society. Phonetics, tone exercises will be reinforced for correct pronunciation and intonation.

By the completion of this course, students will have learned to use the Chinese phonetic system (Pinyin) to pronounce Chinese characters freely; to carry out simple conversations relating to their immediate experiences, such as family and school life, friends, pets, and daily routine; to write the simplified Chinese Characters taught in class; to write one to two paragraphs describing oneself, family, friends, school life, interests, vacation plans, etc.; and to use Chinese electronic input methods to do work processing in Chinese on the computer.

3871 Chinese III PreAP

(90 mins. – 18 weeks)

1 Credit Grades 10 – 12
Prerequisite: Chinese II

Chinese III is an intermediate pre AP (A) level Mandarin Chinese. Students attending these classes should have finished Chinese II or know more than 1000 Chinese words or expressions. The course's objective is to expand Chinese words and Chinese expressions up to 1800 by the end of the program. Classes focus on improving the conversational and reading skills in a more complicated sentence structures. Simple Chinese literature will be introduced. We will also discuss current events in Chinese. Our objective is to expand students' awareness and vocabularies. Practical situational texts are used to provide a greater awareness of Chinese culture and society.

By the completion of this course, students should be able to express themselves in different contexts using intermediate sentence structures; to carry out conversations relating to more complicated subject like culture difference, Chinese traditions, politics, family and school life and daily routine; to write 20 sentences composition or media communications describing oneself, family, friends, school life, interests, cultures and etc.; and to use Chinese emersion programs on the computer comfortably.

3891 Chinese IV PreAP

(90 min. – 18 weeks)
1 Credit Grades 11- 12
Prerequisite: Chinese III PreAP

Chinese IV is an intermediate pre-AP (B) level Chinese Language and Culture course. Students attending this class should have finished Chinese III or know more than 1800 Chinese words or expressions. Class will be conducted primarily in Chinese. The course's objective is to expand Chinese words and Chinese expressions up to 2500 by the end of the program. Students will continually develop the knowledge and proficiency of Chinese language and culture immersion through class instruction, class discussion, and debate. Students will start getting familiar with Chinese AP test format and contents. Chinese literature, poem, idioms and proverbs will be introduced formally. Teaching is even more accelerated. Students are expected to study Chinese 30 minutes a day after class.

By the completion of this course, students should be able to express themselves in different contexts using intermediate sentence structures; to carry out conversations relating to more complicated subjects like culture difference, Chinese traditions, politics, sports, family and school life and daily routine; to write 300 words composition or media communications within 5 minutes relating to oneself, family, friends, school life, interests, sports, cultures and etc. in different writing style; and to use Chinese programs on the computer freely.

The course objectives are to nurture students to become life-long learners by using Chinese language for their personal enjoyment and enrichment and to pursue a rewarding career in the international marketplaces.

3904 Chinese V Advanced Placement
 (45 min. – 36 weeks)
 1 Credit Grades 11 – 12
 Prerequisite: Chinese IV PreAP

Chinese V is an AP advanced level Chinese Language and Culture course. Students attending this class should have finished Chinese IV or know more than 2500 Chinese words or expressions. Class will be conducted in Chinese. Students are expected to use Chinese only. The course’s objective is to expand Chinese vocabularies and Chinese expressions up to 3500 and to prepare students to pass the AP Chinese test successfully by the end of the program. Students will continually develop the knowledge and proficiency of Chinese language and culture through class instruction, class discussion, and debate. Students will practice Chinese AP test regularly. Chinese literature, poem, idioms and proverbs, Chinese customs, history, geography will be studied formally. Teaching is accelerated. Students are expected to study Chinese 30 minutes a day after class.

By the completion of this course, students should be able to express themselves comfortably in different contexts using advanced sentence structures; to carry out conversations relating to more complicated subjects like culture difference, generation gap, Chinese history, Chinese geography, Chinese traditions, politics, sports, family and school life and daily routine; to write 300 words composition or media communications within 4 minutes in different subjects with different writing styles; and to use Chinese programs as a research tools on the computer freely.

The ultimate course objectives are to nurture students to become life-long learners by using Chinese language for their personal enjoyment and enrichment and to pursue a rewarding career in the international marketplaces.

FINE ARTS COURSES

Fine Arts courses stimulate creativity in solving problems, challenge students’ perceptions, and teach students to look at the world around them in new ways. These classes also help students improve the quality of their lives by helping them understand, appreciate, and create an environment that is conducive to both function and aesthetics.

Students have a Fine Arts requirement for graduation. Courses fulfilling the Fine Arts requirements include: Art I, Art History, Theatre Arts I, Band, Choral Music, Music Theory I, Technical Theatre I, and Dance I.

Course	#Subject	Grade	Credit
4001	Art I	9-12	1
4011	Art II-Ceramics	10-12	1
4021	Art II-Drawing	10-12	1
4041	Art II-Electronic Media	10-12	1
4061	Art II-Painting	10-12	1
4071	Art II-Photography	11-12	1
4151	Art III-Ceramics	10-12	1
4181	Art III-Electronic Media	10-12	1
4191	Art III-Painting	10-12	1
4201	Art III-Photography	11-12	1
4281	Art IV-Painting	11-12	1

4271	Art IV-Electronic Media	11-12	1
4321	Art IV-Photography	11-12	1
3962	Advanced Placement Two Dimensional Design	12	1
3982	Advanced Placement Three Dimensional Design/Ceramics	11-12	1
4352	Advanced Placement Drawing	11	1
4371	Advanced Placement Art History & Appreciation	11-12	1
4381	Art IV Ceramics	11-12	1
4401	Theatre Arts I	9-12	1
4404	Theatre Arts I	9	1
4411	Theatre Arts II	10-12	1
4421	Theatre Arts III	11-12	1
4424	Theatre Arts III	11-12	1
4431	Theatre Arts IV	11-12	1
4434	Theatre Arts IV	11-12	1
4451	Theatre Production I	11-12	1
4461	Theatre Production II	11-12	1
4471	Theatre Production III	11-12	1
4474	Theatre Production III	11-12	1
4481	Theatre Production IV	11-12	1
4484	Theatre Production IV	11-12	1
4491	Musical Theatre	10-12	1
4551	Technical Theatre I	9-12	1
4561	Technical Theatre II	10-12	1
4571	Technical Theatre III	10-12	1
4581	Technical Theatre IV	11-12	1
5104	A Cappella Choir I	9	1
5114	A Cappella Choir II	10	1
5124	A Cappella Choir III	11	1
5134	A Cappella Choir IV	12	1
5314	Treble Choir II	10	1
5324	Treble III	11	1
5334	Treble IV	12	1
5164	Vocal Ensemble (Chamber Singers) II	10	1
5174	Vocal Ensemble (Chamber Singers) III	11	1
5184	Vocal Ensemble (Chamber Singers) IV	12	1
5354	Varsity Girls Choir I	9	1
5551	Dance I	9-12	1
5561	Dance II	10-12	1
5571	Dance III	10-12	1
5581	Dance IV	10-12	1
5651	Drill Team Dance I	9	1
5661	Drill Team Dance II	10	1
5671	Drill Team Dance III	11	1
5681	Drill Team Dance IV	12	1
4901	Symphonic Band I	9	1
4913	Symphonic Band II	10	.5
4923	Symphonic Band III	11	.5
4933	Symphonic Band IV	12	.5
4651	Concert Band I	9	1
4661	Concert Band II	9-12	1
4671	Concert Band III	11	1
4681	Concert Band IV	12	1
4951	Wind Ensemble Band I	9	1
4963	Wind Ensemble Band II	10	.5
4973	Wind Ensemble Band III	11	.5
4983	Wind Ensemble Band IV	12	.5
5004	Philharmonic Orchestra I	9	1

5014	Philharmonic Orchestra II	10	1
5024	Philharmonic Orchestra III	11	1
5034	Philharmonic Orchestra IV	12	1
5054	Symphony Orchestra I	9	1
5064	Symphony Orchestra II	10	1
5074	Symphony Orchestra III	11	1
5084	Symphony Orchestra IV	12	1
5501	Music Theory I	11-12	1
5521	Advanced Placement Music Theory	11-12	1

4001 Art I

(90 mins. – 18 weeks)

1 Credit Grades 9 – 12

Prerequisite: None

Cost of Additional Supplies/Materials - \$45.00

This is a one-year foundation course. Application of the fundamentals of design will be used to develop basic skills and techniques as well as an understanding and appreciation of historical and contemporary art and artists. Studio activities include drawing, painting, photography, ceramics and sculpture and if time permits, printmaking.

4011 Art II Ceramics

(90 min. – 18 weeks)

1 Credit Grades 10 – 12

Prerequisite: Art I

Cost of Additional supplies/Materials \$70.00

This is a course in clay which encompasses both sculpture and pottery. Students will study the properties and processes of clay, including hand building, wheel throwing, kiln firing and glazing. Understanding and application of the Elements and Principles of Art and Design will guide the criteria. Integration of appreciation, aesthetics and history will add enrichment to the hands-on studio practice.

4021 Art II Drawing

(90 mins. – 18 weeks)

1 Credit Grades 10 – 12

Prerequisite: Art I

Cost of Additional Supplies/Materials - \$50.00

This is a one year course for students who wish to further develop drawing skills introduced in Art I. Students rely on direct observation of their environment, as well as imagination, memory, and their own life experiences to create expressive drawings. A variety of media, including pencil, colored pencil, charcoal, conte, pastel, pen and ink, and mixed media is employed to communicate personal themes. Important concepts include light and shadow, composition, perspective, and abstraction.

4041 Art II Multimedia

(90 mins. – 18 weeks)

1 Credit Grades 10 – 12

Prerequisite: Art I

Cost of Additional Supplies and Materials - \$70.00

Students will learn to create artwork on Macintosh computers using the graphics industry standard applications PhotoShop, Illustrator, PageMaker, and Painter. Digital cameras, graphics tablets, and scanners will be used to combine color graphics, digital photos, and art work created in traditional media. Animations will be created in Flash and Painter. The Internet will be accessed for information on artists and digital art. Digital art research will be presented to the class as a PowerPoint presentation. Students will create their own web pages to display their digital artwork. The lab fee will cover the cost of writable CD's, toner cartridges, paper, mat board, and personal print portfolios.

4061 Art II Painting

(90 mins. – 18 weeks)

1 Credit Grades 11 – 12

Prerequisite: Art I

Cost of Additional Supplies and Materials - \$65.00

This course includes a more in-depth study of Art I painting and drawing with additional media exploration and further development of problem-solving skills. Fees cover the price of sketchbooks, a canvas or panel for acrylic painting, paper and numerous drawing and painting mediums. Integration of art history, appreciation, aesthetics, and criticism will add enrichment to the hands-on studio practice.

4071 Art II Photography

(90 mins. – 18 weeks)

1 Credit Grades 11 – 12

Prerequisite: Art I, Application

Cost of Additional Supplies and Materials - \$100.00; **students must have a 35 mm, manual camera**

This course offers an in-depth study of the camera during the first three weeks through lecture and textbook study. A series of assignments is made to practice using the camera, requiring at least one roll of film per week to be shot as homework. Film developing and printing are learned as well as a combination of drawing and design skills with basic experimental photography. Students will keep a portfolio of work. The focus will be solely on fine arts images.

4151 Art III Ceramics

(90 mins. – 18 weeks)

1 Credit Grades 10 – 12

Prerequisite: Art II Ceramics, Application

Cost of Additional Supplies and Materials - \$70.00

Students will resume Ceramics study begun in Art II with an eye toward specialization. Relevance to college and career will be considered. Further development of skills, knowledge and appreciation is done through experimentation, research, and practice.

4181 Art III Multimedia

(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: Electronic Media Art I
Cost of Additional Supplies and Materials - \$70.00

Students will continue use of the software programs and equipment used in Art II Electronic Art. Additionally, students will create their own font in “Fontographer.” Students will explore 3-D rendering and animation. “iMovie” will be used for digital video and sound editing. The Internet will be accessed for information on artists and digital art. Digital art research will be presented to the class as a PowerPoint presentation. Students will create their own web pages to display their digital artwork. The lab fee will cover the cost of writable CD's, toner cartridges, paper, mat board, and personal print portfolios.

4191 Art III Painting

(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: Art II Painting, Application
Cost of Additional Supplies and Materials - \$85.00

This course will explore multiple styles, techniques and media in both painting and drawing from representation to abstraction. Media that will be used includes oils, acrylics, watercolors, pastels and inks. Art history, appreciation, aesthetics and criticism will be integrated with studio activities. There will be emphasis on individual style and development of personal portfolios.

4201 Art III Photography

(90 min.-18 weeks)
1 credit Grade: 11-12
Prerequisites: Art II Photography, Application
Cost of additional supplies & materials: \$100.00
Students must have a 35mm, manual camera

This course is a continuation of Photography II with more advanced camera techniques and printing processes. A broader scope of creativity will be explored as the main focus will be working toward developing a portfolio.

4271 Art IV Multimedia

(90 mins. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: Art III - Electronic Media
Cost of Additional Supplies and Materials - \$70.00

This course offers students an opportunity to choose a concentration in any area of art electronic media and work independently. As an independent study course, students will write their own syllabus and be responsible for completing at least one major project per week. Students will continue use of the software and equipment used in Art II and Art III Electronic Media.

4281 Art IV Painting

(90 mins. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: Art III, Painting, Application
Cost of Additional Supplies and Materials - \$85.00

This is a continuation of skills and concepts from Art III with extensive individual exploration and college and career research.

4321 Art IV Photography

(90 mins. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: Art III Photography Application
Cost of Additional Supplies and Materials - \$100.00
Students must have a 35mm camera.
Prerequisite: Art III Photography, Application

This course offers students an opportunity to choose a concentration in Photography with more in-depth study of advanced photography and individual portfolio development.

ADVANCED PLACEMENT ART

4352 Advanced Placement Drawing

(90 mins. – 36 weeks)
1 Credit Grades 11–12 (This class may be taken once only, either 11th or 12th grade)
Prerequisite: Art II Painting/Drawing, Application, portfolio review and Interview with A.P. Instructor. Cost of Additional Materials and Supplies - \$100 per term(Fall, Spring). The College Board fee is not included in the supplies cost.

The Drawing Portfolio is designed to address a broad interpretation of drawing issues. For example, painting, printmaking, studies for sculptures, some forms of design, and abstract and observational works would qualify as addressing drawing issues. College credit for Advanced Placement in studio art can be earned with their portfolio of work produced in this course and submitted for evaluation by the College Board. (Credit earned is dependent upon score received and policies of the university.) Studio practice emphasizes independent exploration and research, experimentation of materials and themes, concept development, some instructor-guided exercises, consideration of college and career choices, presentation and exhibition. Current trends will be examined through media studies and presentations by Admission counselors from recognized art schools. Fees include slide portfolio for exam submission material, and tools for multi-media exploration and presentation matting.

3962 Advanced Placement Two-Dimensional Design Portfolio

(90 min. – 36 weeks)
1 Credit Grade 11-12(This class may be taken once only, either 11th or 12th grade.)
Prerequisite: Art II Paint or Photography, portfolio review and Interview with AP Instructor.
Cost of additional materials and supplies \$100 (Photo: \$100). College Board fee is not included in the supplies cost.

The 2-D Design portfolio addresses a broad interpretation of Design. Any 2-D media including, but not limited to graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, printmaking, etc., may be submitted. College credit for Advanced Placement in studio art can be earned with portfolio of work produced in these courses and submitted and evaluated to the College Board at examination time. (Credit earned is dependent upon score received and policies of the university). Studio practice emphasizes independent exploration and research, experimentation of materials and themes, concept development, some instructor-guided exercises, consideration of college and career choices, presentation and exhibition. Current trends will be examined through media studies and presentations by Admissions Counselors from recognized art schools. Fees include the slide portfolio for exam submission material, and tools for multi-media exploration and presentation matting.

3982 Advanced Placement Three-Dimensional Design Portfolio/Ceramics

(90 min. – 36 weeks)

1 Credit Grade 11-12 (This class may be taken once only, either 11th or 12th grade.)

Prerequisite: Art II Ceramics, Portfolio review and interview with instructor.

Cost of additional supplies and materials \$100. College Board fee is not included in the supplies cost.

The 3-D design portfolio addresses a broad interpretation of design. Any 3-D media including but not limited to Ceramics may be submitted. College credit for Advanced Placement in studio art can be earned with portfolio of work produced in this course and submitted and evaluated to the College Board at examination time. (Credit earned is dependent upon score received and policies of the university). Studio practice emphasizes independent exploration and research, experimentation of materials and themes, concept development, some instructor-guided exercises, consideration of college and career choices, presentation and exhibition. Current trends will be examined through media studies and presentations by Admission counselors from recognized art schools.

4381 Art IV Ceramics

(90 mins. – 18 weeks)

1 Credit Grades 11 – 12

Prerequisite: Art III Ceramics, Application

Cost of Additional Supplies and Materials - \$70.00

Students will resume Ceramics study begun in Art III with an eye toward specialization. Relevance to college and career will be considered. Further development of skills, knowledge and appreciation is done through experimentation, research and practice.

4371 Art History and Appreciation Advanced Placement

(90 mins. – 18 weeks)

1 Credit Grades 11 – 12

This is a course of study aimed at students who might be interested in taking the Advanced Placement Art History Exam for college credit. It covers the same basic material as Art History, but in greater depth. This course is especially helpful in

developing analytical skills and gaining a deeper understanding of world cultures, history and religion. It is also a great complement to AP European History or AP English.

THEATRE ARTS

4401 Theatre Arts I
(90 mins. – 18 weeks)
1 Credit Grades 9 – 12
Prerequisite: None

4404 Theatre Arts I
(45 min.-36 weeks)
1 Credit Grade 9
Prerequisite: None

Cost of additional materials and supplies \$20.00

Theatre Arts I is a participatory survey course designed for students who are interested in learning about all areas of theatre. Students will learn the various techniques of acting including creative dramatics, character interpretation, and staging; explore theatre production concepts and skills including makeup, costuming, and set design; and participate in criticism by attending two major productions outside of class, and producing an in-class play. Students may choose to participate in co-curricular drama activities by the department.

4411 Theatre Arts II
(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: Theatre Art I, Application

Cost of Additional Supplies and Materials - \$20.00

This course is designed to allow the student who successfully completed Theatre Arts I to continue to study acting theory and techniques as well as performance opportunities. The class introduces the students to directing, theatre history, musical theatre, acting for the camera, and theatre management/production. Participation in co-curricular activities outside of the class is required.

4421 Theatre Arts III
(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: Theatre Art II, Application

4424 Theatre Arts III
(45 min.-36 weeks)
1 Credit Grades 11-12
Prerequisite: Theatre Arts II, Application

Cost of Additional Materials and Supplies - \$20.00

This course is a continuation of basic skills and activities begun in Theatre arts I and II. Activities will include opportunities to further develop personal acting techniques and performing skills. Students will perform scenes and plays from various theatrical periods and styles and explore career opportunities in theatre. Other projects may include

television and video projects as well as playwritings. Participation in co-curricular activities outside of the class is required.

4431 Theatre Arts IV

(90 mins. – 18 weeks)

1 Credit Grades 11 – 12

Prerequisite: Theatre Art III, Application

4434 Theatre Arts IV

(45 min.-36 weeks)

1 Credit Grade 11-12

Prerequisite: Theatre Arts III, Application

Cost of Additional Supplies and Materials - \$20.00

Theatre Arts IV is designed as a workshop/seminar to challenge the advanced theatre student with in-depth study of advanced acting techniques including research in theatre topics, development of directing, and exploration of career opportunities in theatre. Students will produce 4 to 6 main stage productions a year. Production participation (including after school rehearsals, meetings, and performances) is required by all Theatre Arts IV students.

4451 Theatre Production I

(90 mins. – 18 weeks)

1 Credit Grades 10 – 12

Prerequisite: Production experience, Application

Prerequisite: Theatre II

Cost of Additional Supplies and Materials - \$20.00

These courses are designed for the advanced theatre student who is involved in all of the major productions in the department. This will be a workshop atmosphere that will include production meetings, work on the shows, and plans for other co-curricular theatre activities. Leadership training, management, and individual development, research, and projects are stressed. Production participation (including after school production work) is required of all Theatre Production students.

4461 Theatre Production II

(90 mins. – 18 weeks)

1 Credit Grades 10 – 12

Prerequisite: Theatre Prod I, Application

Cost of Materials and Supplies - \$20.00

4471 Theatre Production III

(90 mins. – 18 weeks)

1 Credit Grades 10 – 12

Prerequisite: Theatre Prod II, Application

Cost of Materials and Supplies - \$20.00

4474 Theatre Production III

(45 min. – 36 weeks)

1 Credit Grades 10 –12

Prerequisite: Theatre Prod II, Application

Cost of Materials and Supplies - \$20.00

4481 Theatre Production IV
(90 mins. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: Theatre Production III, Application
Cost of Materials and Supplies - \$20.00

4484 Theatre Production IV
(45 min. – 36 weeks)
1 Credit Grades 11- 12
Prerequisite: Theatre Production III, Application
Cost of Materials and Supplies - \$20.00

Through participation, students will gain experience in various areas of production, including, but not limited to, acting, stage management, scenery, lighting, props, costumes, or make-up. Motivated and interested students may also have opportunities in design and construction/execution of scenery, lighting, costuming, make-up, or props. Production participation (including after-school rehearsals) is required.

4491 Theatre Production IV – Musical Theatre
(90 mins. – 18 weeks, Fall term)
1 Credit Grades 10 – 12
Prerequisite: By audition Only

This course is designed for those students who are interested in vocal music, theatre, and dance. Students will learn correct vocal production, musical theatre acting style, and various forms of dance including ballet, tap, and jazz. Students enrolled in this course are required to participate in the theatre department's fall musical production. Dance credit will be received for this course.

4551 Technical Theatre I
(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: Theatre Arts I, Application

Technical Theatre I, II, III, and IV provide a workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management. Advanced students will assume greater responsibilities in becoming crew heads, designers, and running crews for the 6 to 10 productions in the theatre. Students will explore career opportunities in technical theatre. Production participation (including after school production work) is required for all Tech I-IV students.

4561 Technical Theatre II
(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: Tech Theatre I, Application

4571 Technical Theatre III
(90 mins. – 18 weeks)
1 Credit Grades 10 – 12
Prerequisite: Tech Theatre II, Application

4581 Technical Theatre IV
(90 mins. – 18 weeks)
1 Credit Grades 11 – 12
Prerequisite: Tech Theatre III, Application

Technical Theatre I, II, III, and IV provide a workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management. Advanced students will assume greater responsibilities in becoming crew heads, designers, and running crew for the 6 to 10 productions in the theatre. Production participation (including after school production work) is required for all tech I-IV students. There will also be an opportunity to be hired as a technician for The Woodlands High School auditorium.

DANCE

Dance may fulfill the P.E. requirements; however, students may not use the same dance course for both P.E. and Fine Arts requirements.

5551 Dance I
(90 min.-18 weeks)
1 credit Grades 9-12
Prerequisite: None
Cost of supplies and materials \$60.00

Students will learn and perform various types of dance including Ballet, Modern, Tap, Jazz, Hip-Hop, Precision Dance and Folk Dance (Irish) as they study the terminology and history of these Dance Forms. Students will acquire the skill and knowledge needed to develop athletically (flexibility, strength, and stamina), and artistically (creative expression, perception, choreographic ability and critical evaluation). Next, this course promotes self-discipline, and the understanding of selves and others through movement. (open to males and females) Finally, the curriculum for 10-12 includes performing in the end-of-term Dance Concert for each semester. Fees (\$60) cover the cost of necessary dancewear. Three (3) after school practices are required.

5561 Dance II
(90 min.-18 weeks)
1 credit Grades 10-12
Prerequisite: Dance I

Students will continue to develop athletically and artistically through the mastering of more advanced movement techniques required at each level. Students will perform in the end-of-term Dance concert for each semester. Fees (\$60) cover the cost of necessary dancewear. Three (3) after school practices are required.

5571 Dance III
(90 min.-18 weeks)
1 credit Grades 10-12
Prerequisite: Dance II, Audition

Students will continue to develop athletically and artistically through the mastering of more advanced movement techniques required at each level. Students will perform in the end-of-term Dance concert for each semester. Fees (\$60) cover the cost of necessary dancewear. Three (3) after school practices are required.

5581 Dance IV
(90 min.-18 weeks)
1 credit Grades 10-12
Prerequisite: Dance III, Audition

Students will continue to develop athletically and artistically through the mastering of more advanced movement techniques required at each level. Students will perform in the end-of-term Dance concert for each semester. Fees (\$60) cover the cost of necessary dancewear. Three (3) after school practices are required.

The following dance courses offered in the spring for drill team members only are fine arts courses.

5651 Drill Team Dance I Grade 9
5661 Drill Team Dance II Grade 10
5671 Drill Team Dance III Grade 11
5681 Drill Team Dance IV Grade 12

(90 min. - 18 weeks, Spring Term)
1 Credit each course Grades 9-12
Prerequisite: Drill Team, Audition

Instrumental Music I, II, III, IV (Band or Orchestra)

Instrumental Music: Students are assigned to the appropriate levels of performing groups by audition each school year. In each of the performing groups, instrumental students are given opportunities for mental and physical discipline, citizenship through group endeavor, physical conditioning, cultural growth, skills in making musical value judgments through critical listening, skills in music theory, and proper instrumental techniques.

The prerequisite for all instrumental music classes is an audition with the director.

4913 Symphonic Band II Grade 10
4923 Symphonic Band III Grade 11
4933 Symphonic Band IV Grade 12
(each course is 45 min.-18 weeks in the Spring)
.5 credit Grades 10-12

4901 Symphonic Band I
(90 min. 18 weeks) Spring
1 credit Grade 9

The Symphonic Band performs numerous concerts, marches at football game, and competes in both TMEA and UIL activities. Attendance at out-of-school performances and rehearsals is required.

4651 Concert Band I
 (90 min - 18 weeks) Spring
 1 credit Grade 9
 Marching Band (1st semester) may be substituted for Physical Education credit (.5) each year with the 2nd semester of Band receiving Fine Arts credit (.5)

4661 Concert Band II Grade 10
4671 Concert Band III Grade 11
4681 Concert Band IV Grade 12
 (90 min.-18 weeks) Spring
 1 credit Grades 10-12

This performing group is the instructional unit for future membership in the Symphonic Band. The Concert Band performs concerts, marches at all football games (in combination with the Symphonic Band), and competes in both TMEA and UIL sponsored events. Attendance at out-of-school performances and rehearsals is required.

4951 Wind Ensemble I Grade 9
 (90 min. - 18 weeks)
 1 credit Grade 9

4963 Wind Ensemble II Grade 10
4973 Wind Ensembles III Grade 11
4983 Wind Ensemble IV Grade 12
 (45 min. - 18 weeks)
 .5 Credit Grade 10-12
 Prerequisite: Teacher Approval

This performing group is designed to challenge those students who have achieved the highest musical standards and skills. The Wind Ensemble performs numerous concerts, marches at all football games and competes in both TMEA and UIL activities. Attendance at out-of-school performances and rehearsals is required. Students will participate in small group playing experiences, develop new awareness of ensemble music literature, study ensemble techniques, and refine musical and technical skills.

ORCHESTRA

5004 Philharmonic Orchestra I Grade 9
5014 Philharmonic Orchestra II Grade 10
5024 Philharmonic Orchestra III Grade 11
5034 Philharmonic Orchestra IV Grade 12
 (45 min.-36 weeks)
 1 credit Grades 9-12
 Prerequisite: Audition by Director

The Symphony Orchestra is a group with moderate performance demands. The orchestra will participate in concerts, U.I.L. and T.M.E.A. events. Attendance at out-of-school rehearsals and performances is required. Open to orchestral string instrumentalists only.

- 5054 Symphony Orchestra I** Grade 9
5064 Symphony Orchestra II Grade 10
5074 Symphony Orchestra III Grade 11
5084 Symphony Orchestra IV Grade 12
 (45 min.-36 weeks)
 1 credit Grades 9-12
 Prerequisite: Orchestra I, Audition by Director

The Symphony Orchestra is a selective group of 31 musicians designed to challenge those students who have achieved the highest musical standards and skills. Each orchestra member will be required to perform at U.I.L. and T.M.E.A. contest preparation, civic concerts, orchestra festivals, formal concerts and other performance obligations. Attendance of out-of-school rehearsals and performances is required. Open to orchestral string instrumentalists only.

- 5501 Music Theory I**
 (90 min. - 18 weeks) Fall
 1 Credit Grades 11-12

The music theory class explores the basic rudiments of music such as pitch and rhythm notation, scale structures, intervals, chord structure and movement, simple part writing, and ear training through constant drill and practice.

- 5521 Advanced Placement Music Theory**
 (90 min. - 18 weeks in the Spring)
 1 Credit Grades 11-12
 Prerequisite: Music Theory I

This course will review and refine the materials covered in Music Theory I. In addition to using the basic rudiments, students will be introduced to advanced chord structure, harmonization, advanced ear training, form and analysis, and composition. Students will prepare for the Advanced Placement examination following the prescribed AP curriculum.

CHORAL MUSIC II, III, IV

Choral Music II, III, and IV are the performing groups for vocal music students. Vocal music students are assigned to the three levels of performing groups by audition each year. In each of the performing groups, vocal music students are provided opportunities to develop their musical skills by studies in both vocal and choral techniques, music theory, training in sight-singing, music history and literature, creative self-expression, and performance activities.

- 5104 A Cappella Choir I (Boys)**
5114 A Cappella Choir II
5124 A Cappella Choir III
5134 A Cappella Choir IV
 (45 min.-36 weeks)
 1 credit Grades 9-12
 Prerequisite: Audition by Director

A Cappella Choir is the most selective of all available choir course offerings. Considerable demands are placed upon each choir member with regard to UIL contest preparation, civic concerts, choir festivals, formal concerts and other performance obligations. Attendance at out-of-school rehearsals and performances is required.

5314 Treble choir II
5324 Treble Choir III
5334 Treble Choir IV
(45 min.-36 weeks)
1 credit Grades 10-12
Prerequisite: Audition by Director

The Treble Choir is a choral organization with moderate performance demands. The choir will participate in concerts, TMEA and UIL events. Attendance at out-of-school rehearsals and performances is required.

5354 Varsity Girls Choir - 9
(45 minutes - 36 weeks)
1 Credit Grades 9
Prerequisite: Audition by director, demonstration of appropriate sight-singing skills.

Varsity Girls Choir is a choral organization with stringent performance demands. Considerable demands are placed upon each choir member with regard to UIL and TMEA contest participation, civic concerts, choir festivals, formal concerts, and other performance obligations as scheduled. Attendance at out-of-school rehearsals and at all performances is required.

5164 Vocal Ensemble (Chamber Singers) II
5174 Vocal Ensemble (Chamber Singers) III
5184 Vocal Ensemble (Chamber Singers) IV
(45 min.-36 weeks)
1 Credit Grade 10-12
Prerequisite: Audition by Director and concurrent membership in choral music organization

The Chamber Singers are a small, highly selective vocal ensemble whose members are also members of the A Cappella Choir. The main objective of this choir is to prepare and perform music from all musical time periods which are suitable for Chamber Choir. This vocal ensemble will serve as a public relations organization and will provide entertainment for organizations in the community as requested. Attendance at out-of-school rehearsals and performances is required.

PHYSICAL EDUCATION/ATHLETIC COURSES
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Students entering the 9th grade in 2010 will have new course requirements and descriptions pending Texas State Board of Education approval. An addendum will be distributed to students as soon as clarification is received from the Texas Education Agency.

Students are required to have 1 .5 credits of Physical Education or an approved substitute for graduation. An additional .5 credit may be taken as an elective and will count toward graduation requirements. Any physical education course or approved substitute taken beyond the 2 credits will be awarded local credit only and will not count toward requirements for graduation. Foundations of Personal Fitness is required for all students (with the exception of those students who complete Physical Education through a P. E. equivalency course: example, Athletics, Band, Drill team).

Course #		Grade	Credit
575H	Foundations of Personal Fitness	9-12	.5
581H,582H,583H	Team Sports I,II,III	9-12	.5

575H Foundations of Personal Fitness

(90 min. - 9 weeks)

.5 Credit Grade 9-12

This course is a prerequisite for all other physical education courses. The course teaches students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness is the corner stone of this course and students design their own personal fitness program.

581H Team Sports I

582H Team Sports II

(90 min. – 9 weeks)

.5 credit each course Grades 9-12

583H Team Sports III

(90 min.-9 weeks)

.5 credit each course Grade 10-12

Prerequisite: Foundations of Personal Fitness recommended

Students enrolled in team sports are expected to develop health-related fitness and an appreciation for team work and fair play. This includes but is not limited to bounceball, basketball, volleyball, softball, flag football, and soccer.

PHYSICAL EDUCATION EQUIVALENCIES

Students entering the 9th grade in 2010 will have new course requirements and descriptions pending Texas State Board of Education approval. An addendum will be distributed to students as soon as clarification is received from the Texas Education Agency.

The following courses are equivalencies for physical education credit in all graduation plans. Students may earn 2 state credits for graduation for physical education or the equivalencies.

Course #		Grade	Credit
6383	Marching Band I	9	.5
6393	Marching Band II	10	.5
6403	Marching Band III	11	.5
6413	Marching Band IV	12	.5
6061	Drill Team I	9	.5
6071	Drill Team II	10	.5
6081	Drill Team III	11	.5
6091	Drill Team IV	12	.5
5951	Cheerleading I	9	.5
5961	Cheerleading II	10	.5
5971	Cheerleading III	11	.5
5981	Cheerleading IV	12	.5

6383	Marching Band I	.5 Credit	Grade 9
6393	Marching Band II	.5 Credit	Grade 10
6403	Marching Band III	.5 Credit	Grade 11
6413	Marching Band IV	.5 Credit	Grade 12

(45 min. - 18 weeks)
Prerequisite: Audition

6061	Drill Team I	.5 Credit	Grade 9
6071	Drill Team II	.5 Credit	Grade 10
6081	Drill Team III	.5 Credit	Grade 11
6091	Drill Team IV	.5 Credit	Grade 12

(90 min. - 18 weeks) Fall Semester Only
Prerequisite: Tryouts

The drill team is a precision drill team, which provides entertainment for various school activities, athletic halftimes, community activities, charity organizations, etc. The drill team is open to any girl who can meet the eligibility requirements and can qualify before a panel of tryout judges in the spring of each year. Although the drill team is an elective course, numerous after-school practices will be required. Successful completion of the fall semester of Drill Team will earn ½ credit of a Physical Education equivalency. Drill Team members earn ½ credit of Drill Team Dance in the spring semester.

5951	Cheerleading I	.	Grade 9
5961	Cheerleading II	.	Grade 10
5971	Cheerleading III	.	Grade 11
5981	Cheerleading IV		Grade 12
	(90 min. - 18 weeks) Fall		
	.5 Credit		Grades 9 – 12
	(90 min. – 9 weeks) Spring		
	.5 Local Credit		Grades 10 -12
	Prerequisite:		Tryouts

The cheerleading team is a group, which promotes school spirit at athletic events and community activities. The cheerleading team is open to anyone who can meet the eligibility requirements and who can qualify before a panel of tryout judges in the spring of each year. Numerous after-school practices and out-of-school performances as well as personal expense will be required. Successful completion of Cheerleading will earn ½ credit of Physical Education equivalency.

INTERSCHOLASTIC ATHLETICS

Students entering the 9th grade in 2010 will have new course requirements and descriptions pending Texas State Board of Education approval. An addendum will be distributed to students as soon as clarification is received from the Texas Education Agency.

The following courses are competitive sports regulated by the University Interscholastic League and also substitute for physical education. Team selection by tryouts and Coaching Staff Approval. These courses require a 90 minute block for 2 terms. Combined with athletics in this 90 minute block is a study hall. Students enrolled in 2007 or before may earn only 2 credits of P. E. or P. E. alternative for any state graduation plan. Credits earned after the two state credits are local credits for students enrolled 2007 and prior.

Course#	Subject	Grade	Credit
585 A,B	Baseball I	9	1 Cr.
586C,D	Baseball II	10	1 Cr.
587	Baseball III*(JV/Varsity)	11	Local
587	Baseball IV*(Varsity)	12	Local
591A,B	Basketball(Girls)	9	1 Cr.
592C,D	Basketball (Girls)II(JV/Varsity)	10	1 Cr.
593	Basketball(Girls)III*(JV/Varsity)	11	Local
593	Basketball(Girls)IV*(Varsity)	12	Local
588A,B	Basketball(Boys) I	9	1 Cr.
589C,D	Basketball(Boys)II	10	1 Cr.
590	Basketball(Boys)III*(JV/Varsity)	11	Local
590	Basketball(Boys)IV*(Varsity)	12	Local
599A,B	Cross Country (Boys)I	9	1 Cr.
599C,D	Cross Country(Boys)II(Soph, JV, Varsity)	10	1 Cr.
599	Cross Country(Boys)III*(JV/Varsity)	11	Local
599	Cross Country (Boys)IV*(Varsity)	12	Local
600A,B	Cross Country(Girls) I	9	1 Cr.
600C,D	Cross Country(Girls)II (Soph, JV, Varsity)	10	1 Cr.
600	Cross Country(Girls)III*(JV/Varsity)	11	Local
600	Cross Country(Girls)IV* (Varsity)	12	Local
610A,B	Football I	9	1 Cr.
611C,D	Football II	10	1 Cr.
612	Football III*(JV/Varsity)	11	Local
612	Football IV*(Varsity)	12	Local
613A,B	Golf(Boys) I	9	1 Cr.
614C,D	Golf (Boys) II(JV/Varsity)	10	1 Cr.
615	Golf (Boys) III*(JV/Varsity)	11	Local
615	Golf (Boys) IV*(Varsity)	12	Local
616A,B	Golf(Girls) I	9	1 Cr.
617C,D	Golf (Girls) II(JV/Varsity)	10	1 Cr.
618	Golf (Girls) III* (JV/Varsity)	11	Local
618	Golf (Girls) IV*(Varsity)	12	Local
620A,B	Soccer (Boys)	9	1 Cr.
620C,D	Soccer (Boys)II(JV)	10	1 Cr.

621C,D	Soccer (Boys)	10	1 Cr.
621	Soccer (Boys)III* (JV/Varsity)	11	Local
621	Soccer (Boys)IV*(Varsity)	12	Local
623A,B	Soccer (Girls) I	9	1 Cr.
623C,D	Soccer (Girls) II(JV/Varsity)	10	1 Cr.
624	Soccer (Girls) III*(JV/Varsity)	11	Local
624	Soccer (Girls) IV*(JV/Varsity)*	11	Local
625A,B	Softball I	9	1 Cr.
625C,D	Softball II	10	1 Cr.
625	Softball III*	11	Local
625	Softball IV*	12	Local
626A,B	Swim I AM	9	1 Cr.
626C,D	Swim II AM	10	1 Cr.
627A,B	Swimming I PM	9	1 Cr.
627C,D	Swimming II* (JV/Varsity)PM	10	1 Cr.
627	Swimming III* (JV/Varsity)	11	Local
627	Swimming *(Varsity)	12	Local
628A,B	Tennis I	9	1 Cr.
629C,D	Tennis II(JV/Varsity)	10	1 Cr.
630C,D	Tennis II(Varsity)	10,11	1 Cr.
629	Tennis III*(JV)	11	Local
630	Tennis III*(Varsity)	11	Local
630	Tennis IV*(Varsity)	12	Local
631A,B	Track (Boys)	9	1 Cr.
631C,D	Track(Boys)II(JV/Varsity)	10	1 Cr.
631	Track(Boys)III*(JV/Varsity)	11	Local
631	Track(Boys)IV*(Varsity)	12	Local
632A,B	Track (Girls)	9	1 Cr.
632C,D	Track(Girls)II(JV/Varsity)	10	1 Cr.
632	Track(Girls) III* JV/Varsity)	11	Local
632	Track(Girls)IV*(Varsity)	12	Local
633A,B	Trainer (Application required)	9	1 Cr.
633C,D	Trainer (Application required)	10	1 Cr.
633	Trainer (Application required)	11,12	Local
634A,B	Volleyball I	9	1 Cr.
635C,D	Volleyball II(JV/Varsity)	10	1 Cr.
636	Volleyball III*(JV/Varsity)	11	Local
636	Volleyball IV*(Varsity)	12	Local
637A,B	Wrestling I	9	1 Cr.
637C,D	Wrestling II	10	1 Cr.
638	Wrestling III, IV	11,12	Local

*Local credit does not count toward graduation requirements. UIL/TEA eligibility requirements are followed for all athletics. Team selections are by tryouts and Coaching Staff Approval.

CAREER AND TECHNOLOGY COURSES

*This section of the planning guide includes the flowcharts indicating a possible career cluster and pathway a student may choose to follow while in high school. The course descriptions that follow are for courses offered at The Woodlands High School in 2010-2011. In the future, other course **may** be offered if there is enough student interest and if the campus has a teacher who meets the Highly Qualified standard of the federal government.*

Career and Technical Education courses provide students with a quality curriculum that prepares students to be competitive within our changing global economy. The Woodlands High School Career and Technical Education (CTE) classes prepare students for postsecondary education, career preparation/advancement, and skilled work opportunities.

CTE courses offered at The Woodlands High School combine rigorous academics with relevant career/technical courses. CTE courses offered follow federally defined Career Clusters (www.careerclusters.org) and all courses offered aim to develop foundational skills, core workplace competencies, and specific skill competencies in occupational areas. CTE courses lead to Internships, practicums, school-based enterprises, and dual enrollment programs.

CTE courses are now offered under the 16 career clusters, which are listed below. All technology courses incorporate state-of-the art software and computer equipment.



Course #	Subject	Grade	Credit
Agriculture, Food and Natural Resources			
K1003	Principles of Agriculture, Food & Natural Resources	9	.5
K1023	Livestock Production	10-12	.5
K1033	Small Animal Management	10-12	.5
K1043	Equine Science	10-12	.5
K1051	Veterinary Medical Applications	10-12	1
K1061	Advanced Animal Science	11-12	1
K114H	Wildlife, Fisheries & Ecology Management	10-12	.5
K1171	Principles & Elements of Floral Design	10-12	1
K1211	Agricultural Mechanics & Metal Technologies	10-12	1
Architecture and Construction			
K1511	Interior Design	10-12	1
K1551	Architectural Design	10-12	1
K1562	Advanced Architectural Design	11-12	2
Arts, A/V Technology and Communications			
K2011	Animation	10-12	1
K2031	Audio Video Production	10-12	1
K2041	Advanced Audio Video Production	11-12	1
K2071	Graphic Design and Illustration	10-12	1
K2111	Commercial Photography	11-12	1
K2131	Fashion Design	9-12	1
Business Management and Administration			
K250H,K2503	Principles of Business, Marketing & Finance	10-12	.5
K2521,K2524	Business Information Management I	9-12	1
K2531	Business Information Management II	10-12	1
K255H,K2553	Business Law	11-12	.5
K256H,K2563	Global Business	11-12	.5
K258H	Virtual Business	11-12	.5
Finance			
K300H	Money Matters	9	.5
K3041	Accounting I	10-12	1
K3051	Accounting II	10-12	1
Health Science			
K3504	Principles of Health Science	10-12	1
K3532	Practicum in Health Science	11-12	3
K3542	Practicum in Health Science II	11-12	3
Hospitality and Tourism			
K3791	Culinary Arts	11-12	1
Human Services			
K401H	Dollars and Sense	9	.5
K402H	Interpersonal Studies	10-12	.5
K403H	Lifetime Nutrition & Wellness	11-12	.5
K4053	Child Development	10-12	.5
K4062	Child Guidance	11-12	2
K4082	Practicum in Human Services I	12	2
K4112	Cosmetology I	11	3
K4122	Cosmetology II	12	3
Information Technology			

K4251	Principles of Information Technology	10-12	1
K4261	Computer Maintenance	10-12	1
K4311	Digital & Interactive Media	10-12	1
K4321	Web Technologies	10-12	1
K4372	Internetworking I	10-12	2
K4381	Internetworking II	11-12	1

Manufacturing

K4751	Principles of Manufacturing	9	1
K476	Welding	11-12	2
K477	Advanced Welding	12	2

Marketing

K500H,K5003	Advertising & Sales Promotion	10-12	.5
K5021	Entrepreneurship	11-12	1
K503H	Retailing & E-tailing	10-12	.5

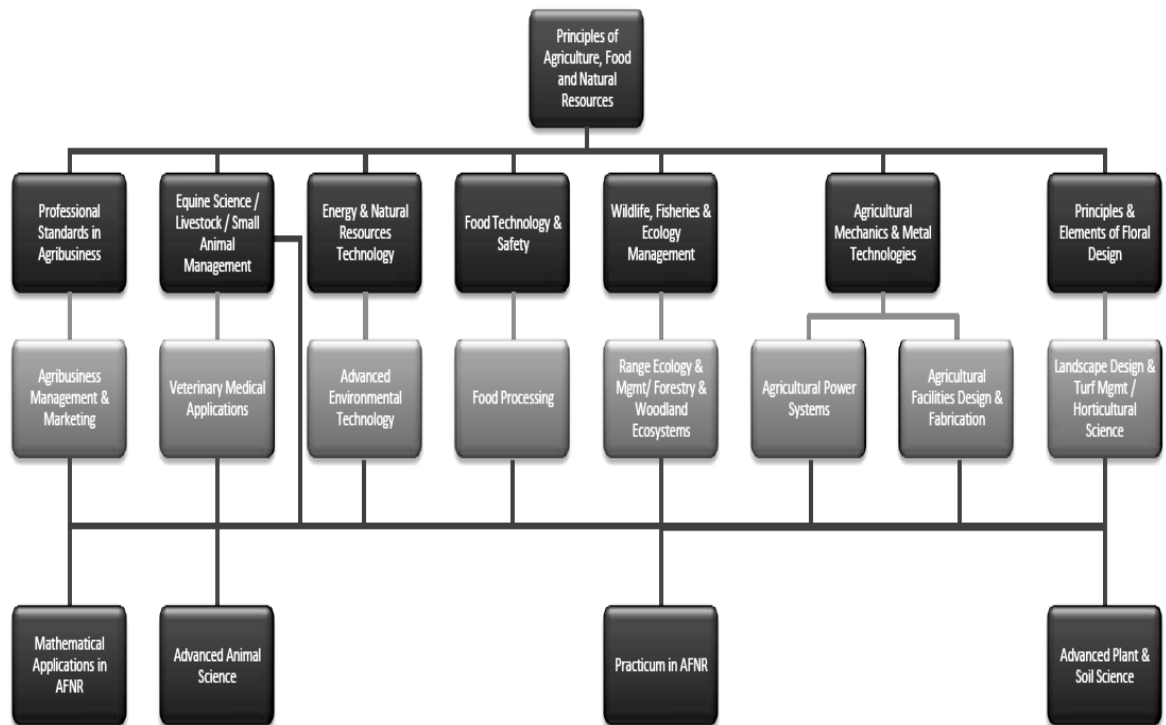
Science, Technology, Engineering & Mathematics

K5281	Engineering Design & Presentation	10-12	1
K5291	Advanced Engineering Design & Presentation	11-12	2

Transportation, Distribution and Logistics

K579	Automotive Technology	11	2
K580	Advanced Automotive Technology	12	3
K581	Collision Repair & Refinishing	11	2
K582	Advanced Collision Repair & Refinishing	12	2

AGRICULTURE, FOOD AND NATURAL RESOURCES



K1003 Principles of Agriculture, Food & Natural Resources

(45 min. - 18 weeks)

.5 Credit

Grade 9

Enhances the agricultural comprehension of young adults. Includes agricultural career development, leadership, communications and personal finances. This course also includes the overview of soil and plants, animals, and agricultural construction. This course counts for the required speech class for graduation.

K1023 Livestock Production

(45 min. - 18 weeks)

.5 Credit

Grade 10 - 12

Prerequisite: None

Introduces the common veterinary skills and procedures used on livestock, anatomy of livestock, genetics and reproduction, and diseases that can affect all livestock animals. This course is recommended for those that have an interest in the Veterinary Science field.

K1033 Small Animal Management

(45 min. - 18 weeks)

.5 Credit

Grade 10 -12

Prerequisite: None

Focuses on working in small animal industry, animal rights and welfare, career opportunity in small animal care. This course is recommended for those that have an interest in the Veterinary Science field.

K1043 Equine Science

(45 min. - 18 weeks)

.5 Credit

Grade 10 - 12

Prerequisite: None

Develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses. This course is recommended for those that have an interest in the Veterinary Science field.

K1051 Veterinary Medical Applications (Vet Med Asst. I)

(90 min. - 18 weeks)

1 Credit

Grade 10 -12

Prerequisites: Equine Science or Livestock Production

Develop and expand the knowledge and technical skills pertaining to Veterinary Technical Assistant area. This course is designed as a laboratory-oriented course that allows students hands-on experience within the area of diagnostic testing, client records, employer/employee relationship, and techniques used in surgical practices. Students are required to complete an internship with licensed Veterinarian in order to take the state certification test for Veterinary Assistant Level I.

K1061 Advanced Animal Science

(90 min – 18 weeks)

1 Credit

Grades 11 – 12

Prerequisite: Veterinary Medical Applications

Develop and investigate the scientific and technological dimensions of scientific animal agriculture, genetics, and reproduction, anatomy and physiology of various livestock species, nutritional requirements, and disease and parasites of livestock. This class is recommended for those students with an interest in Veterinary Science.

K114H Wildlife, Fisheries & Ecology Management

(90 min. - 9 weeks)

.5 Credit

Grade 10 – 12 (Fall semester only)

Prerequisite: None

Examines the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Students will also examine the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs. Students are able to obtain their Hunter Safety certification during this course if they pass their exam.

K1171 Principles & Elements of Floral Design

(90 min. - 18 weeks)

1 Credit

Grade 10 – 12

Prerequisite: None

Cost of additional materials and supplies: \$45

Exposes students to the basic techniques of floral design. This class is project-based with many large and small projects used to evaluate the progress of the student. There are lots of hands-on activities to involve the students in techniques required in the floral industry.

K1211 Agricultural Mechanics & Metal Technologies

(90 min. - 18 weeks)

1 Credit

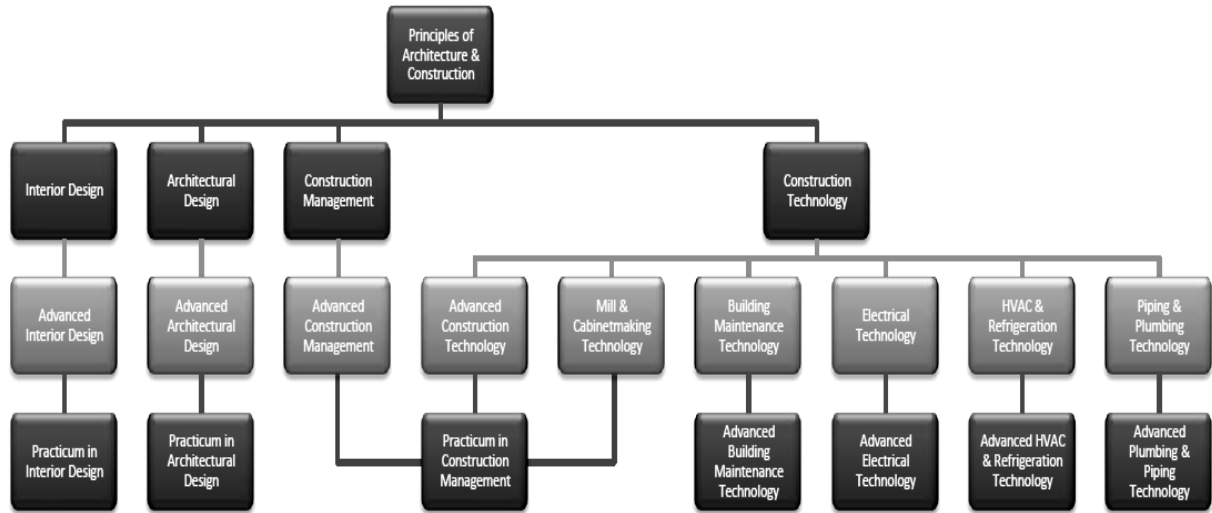
Grade 10 – 12

Prerequisite: None

Cost of materials and supplies: \$25

Develops proficiency in many welding skills. Students will be expected to use the cutting torch and MIG Welders. Welding in several positions, which include flat, horizontal, and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry, and metal working techniques.

Architecture and Construction



K1511 Interior Design

(90 min. - 18 weeks)
1 Credit Grade 10 -12

Cost of materials and supplies: \$20

This technical course addresses the needs of individuals by enhancing the environments in which they live and work. Students will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and prepare for careers in the interior design field.

K1551 Architectural Design

(90 min. - 18 weeks)
1 Credit Grade 10 -12
Recommended: Algebra I, Geometry

Cost of materials and supplies: \$20

In Architectural Design, students gain knowledge and skills specific to those needed to enter a career in architecture or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design and landscape architecture. Architectural Design includes the design, design history, techniques, and tools related to the production of drawings, renderings and scale models for residential architectural purposes. Software for this class includes Office, CAD-3D, and Adobe presentation/portfolio software.

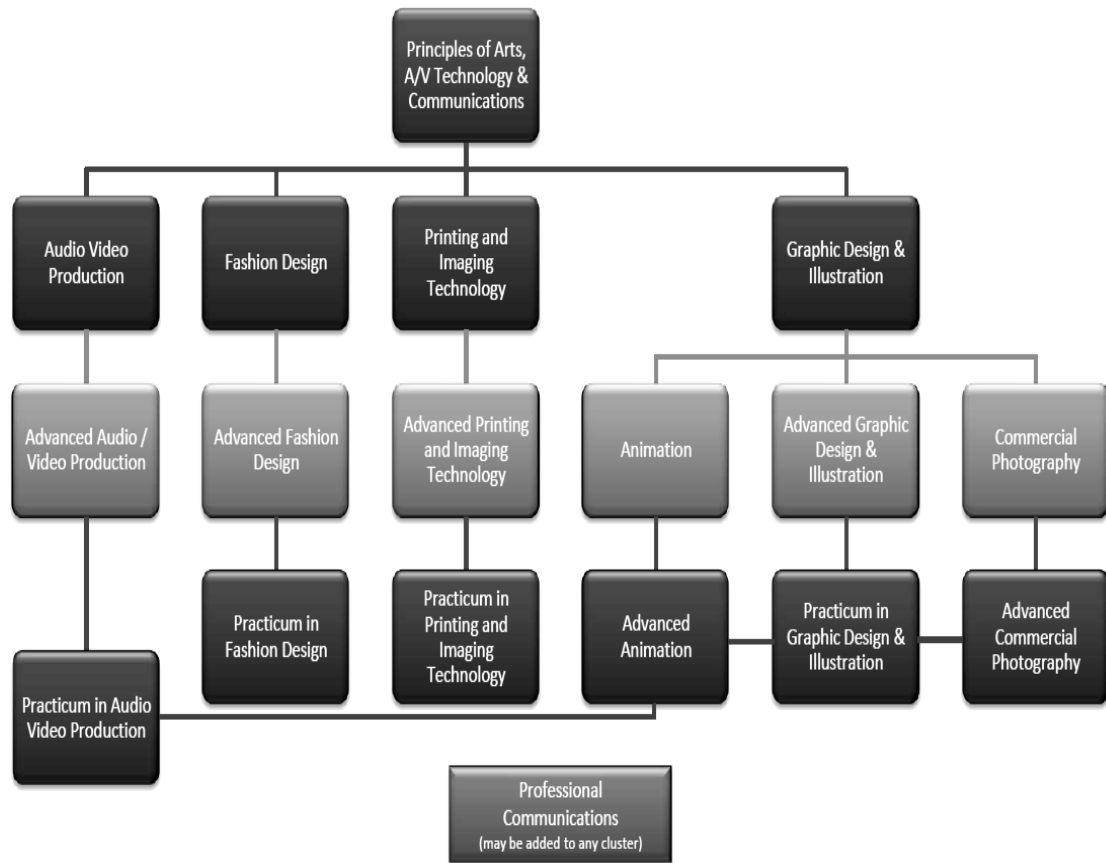
K1562 Advanced Architectural Design

(180 min. - 18 weeks)
2 Credits Grade 11 - 12
Prerequisites: Architectural Design

Cost of materials and supplies: \$20

In Advanced Architectural Design, students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Advanced Architectural Design includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes.

Arts, A/V Technology and Communications



K2011 Animation

(90 min – 18 weeks)
 1 Credit Grades 10 - 12
 Prerequisite: None

Cost of materials and supplies: \$20 (required to cover the cost of portfolio material and printing)

Students will develop skills in the world of animation. Students will explore different aspects of motion graphics with a variety of different software. Students will become familiar with 3DS Max, Poser, and Bryce. Students will also become familiar with how animation is used in video gaming, movies, and television. Students will leave this course with a portfolio of their work and skills that can be taken and utilized in the workforce.

K2031 Audio Video Production

(90 min – 18 weeks)
 1 Credit Grades 10 - 12
 Prerequisite: None

Cost of materials and supplies: \$20

Students will be expected to develop an understanding of the audio and video industry with a focus on pre-production, production, and post-production activities. Students will demonstrate how to frame and maintain picture composition. Students will analyze the script and storyboard development processes for a successful production. Students will understand audio techniques, including microphone variances and sound mixing. Students will create audio and video technology products for a variety of purposes and audiences.

K2041 Advanced Audio Video Production

(90 min – 18 weeks)

1 Credit

Grades 11 - 12

Prerequisite: Audio Video Production

Cost of materials and supplies: \$20

Students will identify specific elements of scriptwriting needed for a successful production, including cast, props, and sound effects. Students will demonstrate appropriate knowledge and components. Students will employ knowledge of digital editing. Students will understand the various delivery formats such as disk, broadcast, cellular, portable devices, electronic and online delivery. Students will discuss the responsibilities of directors, including the relationship to the production team and the responsibilities of crew members.

K2071 Graphic Design and Illustration

(90 min – 18 weeks)

1 Credit

Grades 10 – 12

Careers in graphic design and illustration span all aspects of the advertising and visual communication industries. 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.

K2111 Commercial Photography

(90 min. – 18 weeks)

1 Credit

Grades 11 – 12

Prerequisite: None

Cost of materials and supplies: \$20

Students must provide their own digital camera

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. 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 commercial photography industry with a focus on creating quality photographs.

K2131 Fashion Design

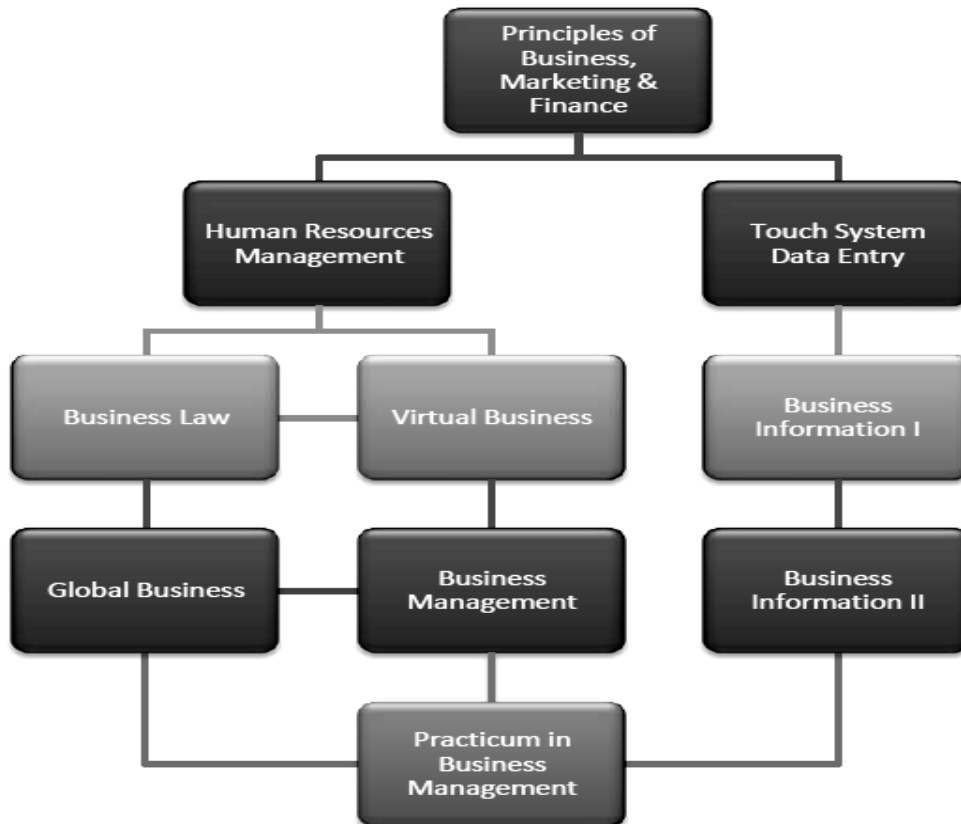
(90 min. – 18 weeks)

1 Credit

Grades 9 – 12

Cost of materials and supplies: \$25.00 –This covers the cost of sewing supplies (scissors, thread, patterns, buttons, fabric, interfacing, quilting thread, batting, hoops, stabilizer, Grommets, chain or cord, laminate), for the samples and first three projects.

Students enrolled in this course will be expected to develop an understanding of the fashion, textile and apparel industries. The student will apply academic knowledge and skills in fashion, textile and apparel projects. They will learn and apply a variety of procedures as related to the fashion industry. The students will develop an understanding of fashion, textile, and apparel industries, as well as analyze the nature and scope of all areas of the fashion industry. Students will apply their knowledge of fibers, fabrics and design when evaluating and designing textile products, and demonstrate effective repair, alteration, and construction techniques of apparel.



K250H Principles of Business, Marketing & Finance
 (90 min – 9 weeks)
 .5 credit Grades 10 – 12

K2503 Principles of Business, Marketing & Finance
 (45 min. – 18 weeks)
 .5 credit Grades 10 – 12

Cost of materials and supplies: \$15

Students are introduced to the role of business in a free enterprise system. They will gain knowledge and skills related to the marketing of goods and services, financial management principles, the sales process, product pricing and advertising. 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.

K2521 Business Information Management I (BCIS I)
 (90 min. – 18 weeks)

1 Credit Grades 9 – 12

K2524 Business Information Management I (BCIS I)

(45 min. – 36 weeks)

1 Credit Grades 9 – 12

Prerequisite: None

Cost of materials and supplies: \$20

Students will use Microsoft Office (Word, Excel, Access, Publisher and Power Point) and the Adobe Creative Suite (PhotoShop, InDesign, Dreamweaver, Acrobat and Illustrator) to create appropriate business documents (word processing documents, spreadsheets, database basics, desktop publishing, web and electronic presentations). Students will also analyze and use alternative software packages and apply appropriate skills for use in business settings. Additionally, emerging technologies, computer basics, operating systems, directories, and equipment maintenance will be addressed.

K2531 Business Information Management II

(90 min. – 18 weeks)

1 Credit Grades 10 - 12

Prerequisite: Business Information Management I

Cost of materials and supplies: \$20

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and post secondary education. Students will apply complex technical skills through word-processing and spreadsheet, and developing electronic presentations using multimedia software. In-depth use of Office and Adobe Suites.

K255H Business Law

(90 min. – 9 weeks)

.5 credit Grades 11 – 12

K2553 Business Law

(45 min. – 18 weeks)

.5 credit Grades 11 – 12

Cost of materials and supplies: \$10

Students are introduced to different areas of law that impact the business community including but not limited to business ethics, employer/employee relationships, civil (tort) and criminal law, environmental issues, contractual obligations, sales and warranties, legal forms of business ownership, Internet law, and real property law. Students have an opportunity to visit with local members of the legal community, participate in a mock trial, visit the Montgomery County Courthouse during the semester.

K256H Global Business

(90 min. – 9 weeks)

.5 credit Grades 11 – 12

Prerequisite: None

K2563 Global Business

(45 min. – 18 weeks)

.5 credit

Grades 11- 12

Prerequisite: None

Cost of materials and supplies: \$10

Students study and analyze the business elements and cultural challenges of operating an international business by studying and analyzing the position of the United States in global trade while analyzing the advantages and problem areas for United States firms operating a global business. Students analyze the role of the international monetary system in the economy, study exchange rates, and study the importance of international financial markets on the global economy. Students study the impact of politics and laws controlling and regulating global business. Students research the challenges of managing and implementing a business in a culturally diverse setting. Students identify strategies for exporting in a global market, the objectives and functions of human resource management in a global firm including such issues as salaries, benefits, and preparing employees to live and work in a foreign country.

K258H Virtual Business

(90 min. – 9 weeks)

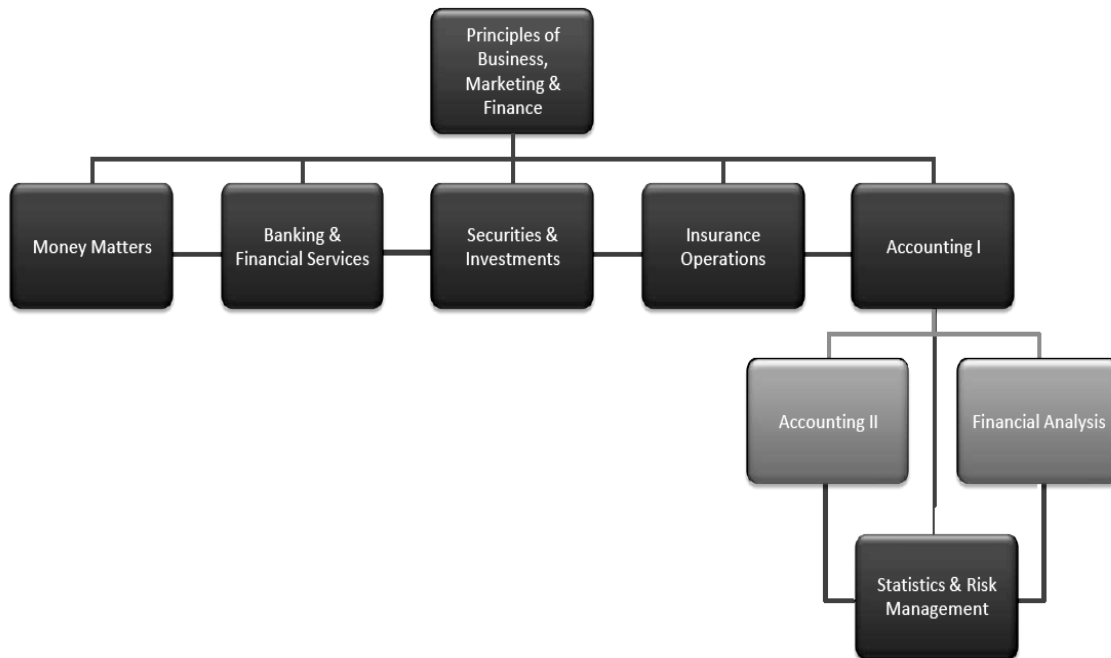
.5 credit

Grades 11 - 12

Prerequisite: None

Cost of materials and supplies: \$10

Students develop the skills necessary to start and grow a virtual business/office in today's technology driven society. Students create and design a website for a virtual business, determine the appropriate marketing and advertising techniques for a virtual business, analyze recordkeeping and tax issues, apply fundamental accounting skills for an online business, and determine the advantages and disadvantages of various forms of legal construction.



K300H Money Matters

(90 min. – 9 weeks)

.5 credit

Grade 9

Prerequisite: None

Cost of materials and supplies: \$10

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical thinking skills to analyze **financial options** based on current and projected economic factors. Students will gain knowledge and skills necessary to **set long-term financial goals** based on those options. Students will determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

K3041 Accounting I

(90 mins. – 18 weeks)

1 Credit

Grades 10 – 12

Prerequisite: None

Cost of materials and supplies: \$20

Students will learn the **language of business**. Students **investigate the field of accounting**, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making.

K3051 Accounting II

(90 mins. – 18 weeks)

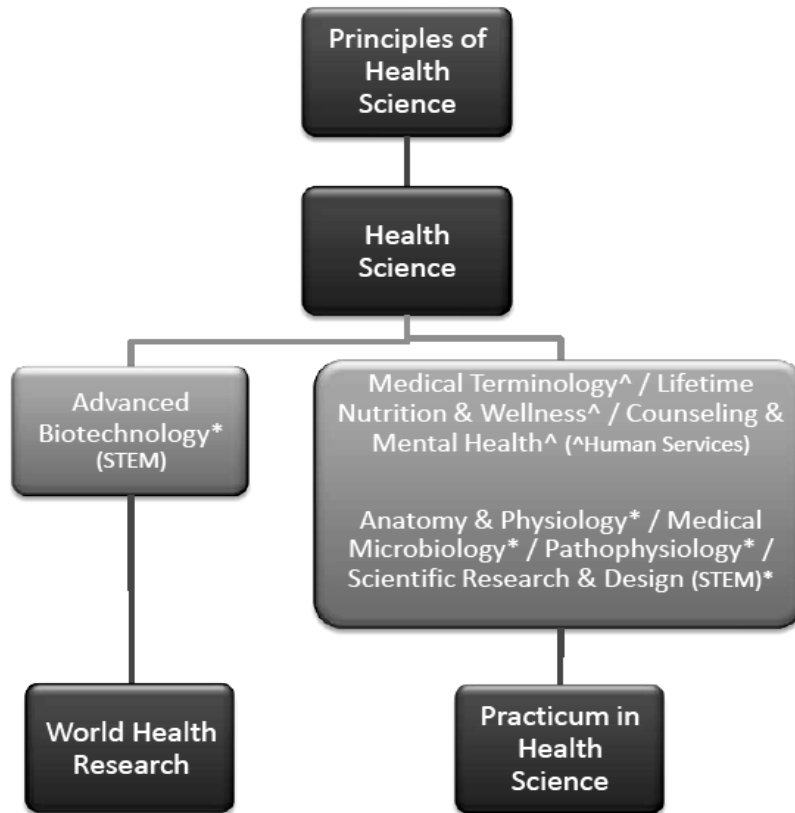
1 Credit

Grades 10 – 12

Prerequisite: Accounting I

Cost of materials and supplies: \$20

Students continue the **investigation of the field of accounting**, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making.



* Course approved for science credit

K3504 Principles of Health Science

(45 mins. – 36 weeks)

1 Credit

Grades 10 - 12

Prerequisite: Biology

Cost of materials and supplies: \$60

The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

K3532 Practicum in Health Science

(135 min. – 36 weeks)

3 Credits

Grades 11 – 12

Prerequisite: Principles of Health Science

Cost of materials and supplies: \$100

The Practicum 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. Students will generally rotate at a local hospital.

K3542 Practicum in Health Science II

(135 min. – 36 weeks)

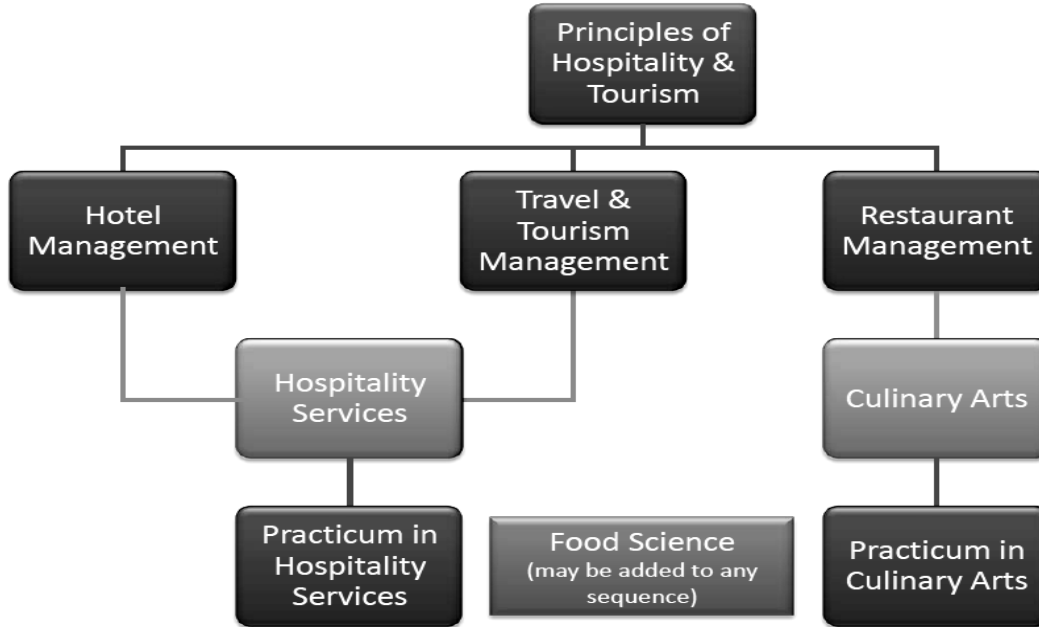
3 Credits

Grades 11 – 12

Prerequisite: Practicum in Health Science

Cost of materials and supplies: \$60

The Practicum 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. Students will also be given the opportunity to do a pharmacy technician program and may take an exam after graduation for certification. If taking the pharmacy program there are additional fees for state fingerprinting and criminal background checks the State of Texas requires. There is also a fee for State Exam.



K3791 Culinary Arts

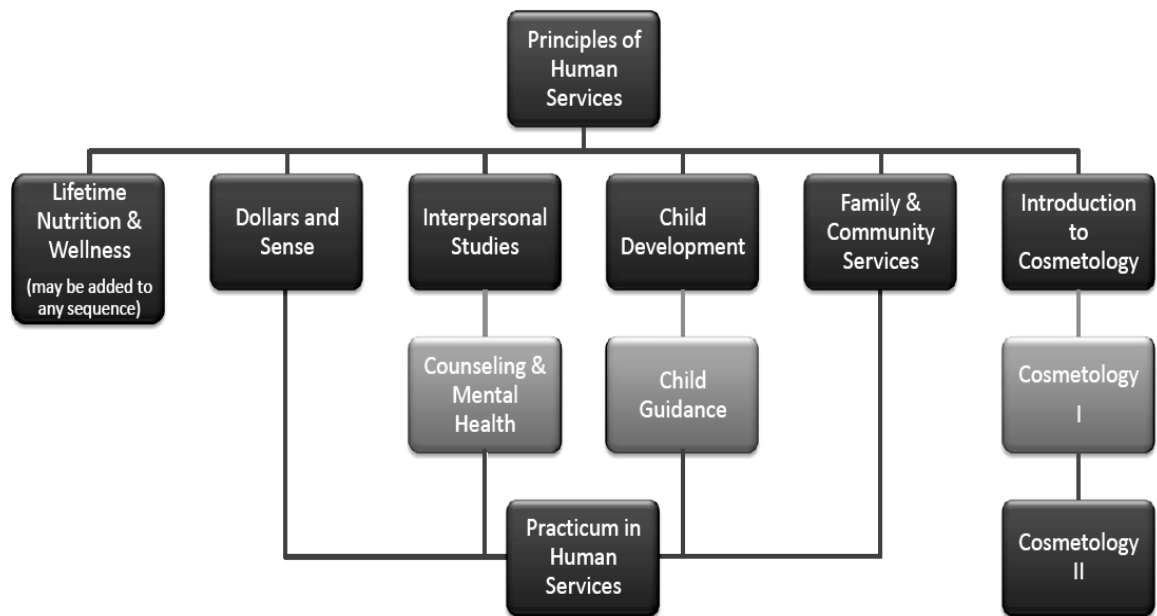
(90 min – 18 weeks)

1 Credit

Grades 11 – 12

Cost of materials and supplies: \$40

Students enrolled in this course will demonstrate knowledge and skills of the purchase, storage, processing, preparation, and presentation techniques for food using industry appropriate tools and demonstrate skills useful for employment and career opportunities in the Culinary Arts. A focus will be made to flavoring foods, designing healthy foods and considering food as both a source of nutrients and a decorative art.



K401H Dollars and Sense

(90 min – 9 weeks)

.5 credit

Grade 9

Students enrolled in this course will demonstrate management of individual and family resources such as finances, food, clothing, shelter, health care, recreation transportation, time and human services careers. Students will demonstrate management of financial resources; effective consumer skills related to housing needs; analyze the relationships between the economic system and consumer actions. The students will also explore career opportunities and roles of individuals in the field of family and consumer services.

K402H Interpersonal Studies (IFL)

(90 min. – 9 weeks)

.5 Credit

Grades 10 – 12

Students enrolled in this course will examine how the relationships between individuals and 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, manage multiple adult roles, and pursue careers related to counseling and mental health services. Additionally, students explore factors that affect personality, the functions and roles of dating and marriage, and implement positive strategies for dealing with change and stress.

K403H Lifetime Nutrition & Wellness

(90 min – 9 weeks)

.5 credit

Grades 11 – 12

Cost of materials and supplies: \$25

Students enrolled in this lab course will use principles of lifetime wellness and nutrition to help make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services and health sciences and

nutrition. The student will understand the role of nutrients in the body; as well as the principles of digestion and metabolism. They will demonstrate knowledge and preparation of nutritionally balanced diets, including a variety of preparation techniques and adjusting recipes to create healthier alternatives. They will understand and demonstrate safety and sanitation as related to food storage, and preparation, as well as demonstrate effective work habits.

K4053 Child Development

(45 min – 18 weeks)

.5 credit

Grades 10 – 12

Cost of materials and supplies: \$10

This technical laboratory course 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 related to the care and education of children. Students will analyze the roles and responsibilities of parenting, the components of optimal prenatal care and development of children with diverse backgrounds including those with special needs. Additionally, students explore the role of play, safety guidelines, and how to prepare age appropriate snacks or meals that meet nutritional guidelines.

K4062 Child Guidance (Child Care I)

(90 min – 36 weeks)

2 Credits

Grades 11 – 12

Prerequisite: Application

Child Guidance provides students classroom instruction and on-site laboratory experience to prepare for a career related to the care, guidance and education of preschool and elementary children. The Pre-Employment Laboratory Child Care Program allows student the opportunity to implement their lesson plans in an Early Education classroom located on the campus. Students learn to plan nutritious meals, follow safety procedures, determine guidance techniques and create educationally-sound activities. In addition, students will explore careers related to Early Childhood education. Completion of the program will prepare students for higher education courses and employment in entry-level childcare programs.

K4082 Practicum in Human Services I (Child Care II)

(90 min. – 36 weeks)

2 Credits

Grade 12

Prerequisite: Child Guidance, Application

This practicum provides occupationally specific training and focuses on the development of careers in early childhood. Practicum in Human Services expands the skills and knowledge gained in Child Guidance to a managerial view of a career in the child care field. Instruction will be delivered in a laboratory setting at the campus' Pre-Employment Laboratory Child Care Program. Students will learn business tools and will collaborate within a teamwork effort to efficiently provide a professional environment in an Early Childhood setting. Productivity will culminate with a professional portfolio that will include a resume and work samples. The portfolios will benefit students seeking employment and higher education in an Early Childhood setting.

K4112 Cosmetology I

(135 min. – 36 weeks)

3 Credits

Grade 11

Cost of materials and supplies: \$735 (cosmetology kit)

This course is a laboratory based course and is taught at Oak Ridge High School. Transportation is provided from The Woodlands High School to Oak Ridge High School. Application form may be obtained from the counselor.

Provides students with the basic specific classroom training needed to achieve their Texas Cosmetology License. Students will also be able to work on outside clientele for hands-on training. Students will be expected to purchase their beginners training kit during the first week of school. Students will be required to have completed 500 clocked hours before advancing to Cosmetology II.

K4122 Cosmetology II

(135 min. – 36 weeks)

3 Credits

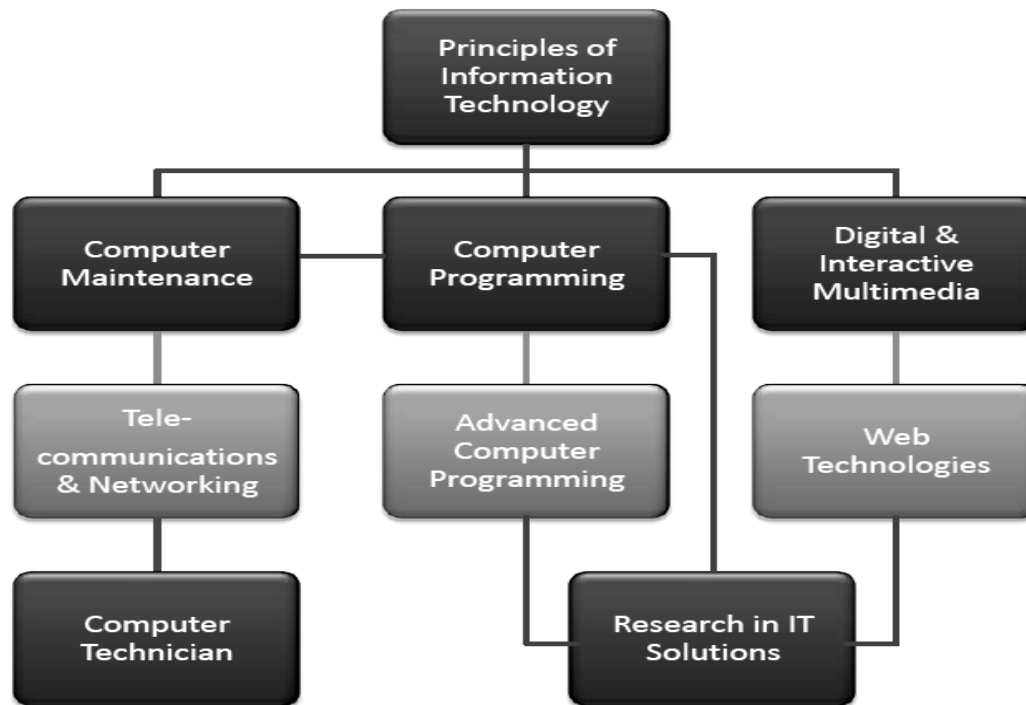
Grade 12

Prerequisite: Cosmetology I

Cost of materials and supplies: Replacement, optional items

This course is a laboratory based course and is taught at Oak Ridge High School. Transportation is provided from The Woodlands High School to Oak Ridge High School. Application form may be obtained from the counselor.

Upon completion of their Senior year and the required 1500 hours total, students will have received classroom training needed to prepare them for their Cosmetologist Exam from the Texas Department of Licensing and Regulations. Students will also be able to work on outside clientele for hands-on training.



K4251 Principles of Information Technology (Computer Applications)

(90 min. – 18 weeks)

1 Credit

Grades 10 – 12

Cost of materials and supplies: \$20

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

K4261 Computer Maintenance (Intro to Computer Maintenance)

(90 min – 18 weeks)
1 Credit Grades 10 - 12
Prerequisite: None

Cost of materials and supplies: \$20

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems.

K4311 Digital & Interactive Media (BIMM – Digital Graphics)

(90 min. – 18 weeks)
1 Credit Grades 10 – 12

Cost of materials and supplies: \$20

Students will develop skills in the areas of multimedia, graphic design, and 3D animation. They will develop skills using the Adobe Creative Suite, Bryce, Animation Master, 3DS Max, and Poser. Students will be able to see the relationship between the use of these programs and movies, video games, special effects, and other interactive mediums. Students will leave this course with an electronic portfolio of work created and skills that can be taken and utilized in the work force.

K4321 Web Technologies (Web mastering)

(90 min. – 18 weeks)
1 Credit Grades 10 – 12

Cost of materials and supplies: \$20

Students develop a working knowledge of Adobe Fireworks, Flash, Dreamweaver, Photoshop, and various web coding techniques to gain the skills necessary to develop interactive web pages. Students evaluate and use electronic formats including text, audio, video, and graphics to enhance functional websites using web and digital media. Students also develop a working knowledge of Hyper Text Markup Language, Extensible Hyper Text Markup Language, and cascading style sheet coding. Time-management, problem-solving and leadership skills are acquired through the use of project based activities requiring students to analyze client requirements and apply necessary design properties. This course is recommended for students who have an interest in Web page development as a useful tool in a technology-driven society.

K4372 Internetworking I

(180 min. – 18 weeks)
2 Credits Grades 10 - 12
Prerequisite: Computer Maintenance

Cost of materials and supplies: \$20

This is an advanced technology course designed to develop networking skills which includes understanding the concepts of networking and the technology industry standards. This is a hands-on course where students will learn how to design and construct LANs (local area networks) and WANs (wide area networks) using equipment such as RJ45 jacks, UTP cabling, cable, cable testers, crimpers, patch cords, patch panels, transceivers, hubs, switches, and routers. This course prepares students for the CCNA certification test.

K4381 Internetworking II

(90 min. – 18 weeks)

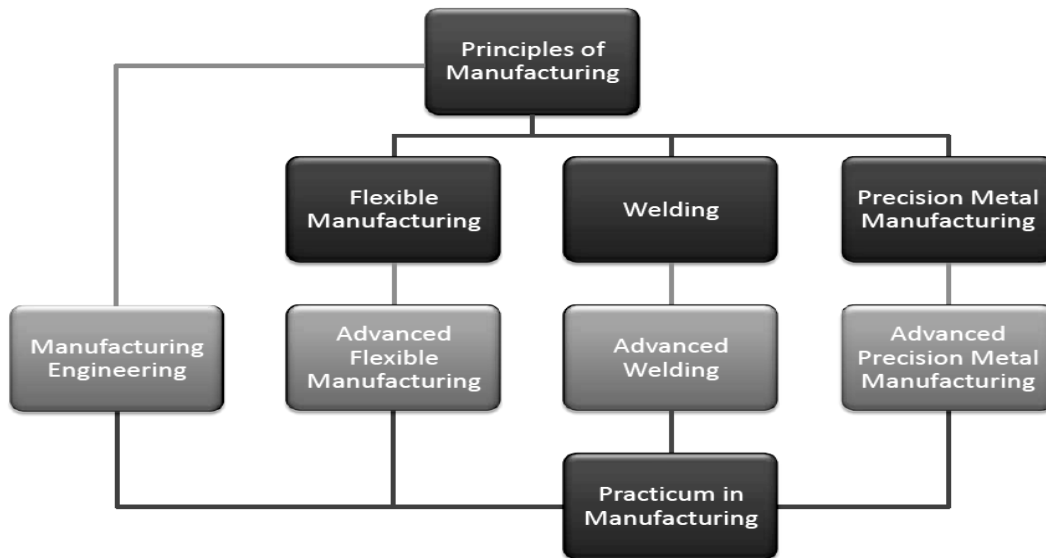
1 Credit

Grades 11 – 12

Prerequisite: Internetworking I

Cost of materials and supplies: \$20

This is an advanced technology course designed to develop networking skills which includes understanding the concepts of networking and the technology industry standards. This is a hands-on course where students will learn how to design and construct LANs (local area networks) and WANs (wide area networks) using equipment such as RJ45 jacks, UTP cabling, cable, cable testers, crimpers, patch cords, patch panels, transceivers, hubs, switches, and routers. This course prepares students for the CCNA certification test.



K4751 Principles of Manufacturing (Tech Systems)

(90 min. – 18 weeks)

1 Credit

Grade 9

Prerequisite: None

Concepts of Engineering and Technology 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 based on the Pitsco, Pathways Lab. The Suites in the Lab include; Aerospace Rocketry, Intelligent Systems, Digital Manufacturing, Communications, and Multimedia. Upon completing this course, students will have an understanding of the various fields and will be able to make informed decisions regarding a coherent sequence of subsequent courses. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments that include; Formation of a Company, Manufacturing of a product, Marketing of a product, and Advertising the product via a short commercial.

K476 Welding

(90 min. – 36 weeks)

2 Credits

Grades 11 -12

Prerequisite: None

Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Welding is a two hour class from 2:00 – 4:00 p.m. at the Lone Star College Conroe Center. Students will need to provide their own transportation.

K477 Advanced Welding

(90 min. – 36 weeks)

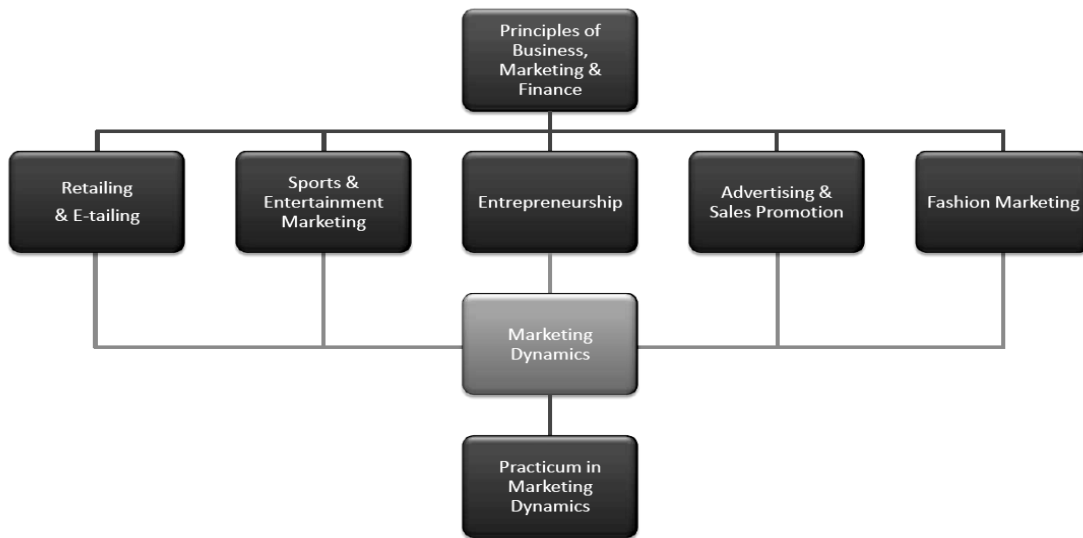
2 Credits

Grade 12

Prerequisite: Welding

Advanced Welding builds on the knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development.

Advanced Welding is a two hour class from 2:00 – 4:00 p.m. at the Lone Star College Conroe Center. Students will need to provide their own transportation.



K250H Principles of Business, Marketing & Finance

(90 min – 9 weeks)

.5 credit

Grades 10 – 12

K2503 Principles of Business, Marketing & Finance

(45 min. – 18 weeks)

.5 credit

Grades 10 – 12

Cost of materials and supplies: \$15

Students are introduced to the role of business in a free enterprise system. They will gain knowledge and skills related to the marketing of goods and services, financial management principles, the sales process, product pricing and advertising. 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.

K500H Advertising & Sales Promotion

(90 min. – 9 weeks)

.5 credit

Grades 10 – 12

K5003 Advertising & Sales Promotion

(45 min. – 18 weeks)
.5 credit

Grades 10 – 12

Prerequisite: None

Cost of materials and supplies: \$15

Advertising and Sales Promotion is a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and legal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. An overview of how communication tools can be used to reach target audiences and increase consumer knowledge will be covered.

K5021 Entrepreneurship

(90 min. – 18 weeks)
1 Credit

Grades 11 – 12

Prerequisite: None

Cost of materials and supplies: \$15

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 understand the capital required, the return on investment desired, and the potential for profit.

K503H Retailing and E-tailing

(90 min. – 9 weeks)
.5 credit

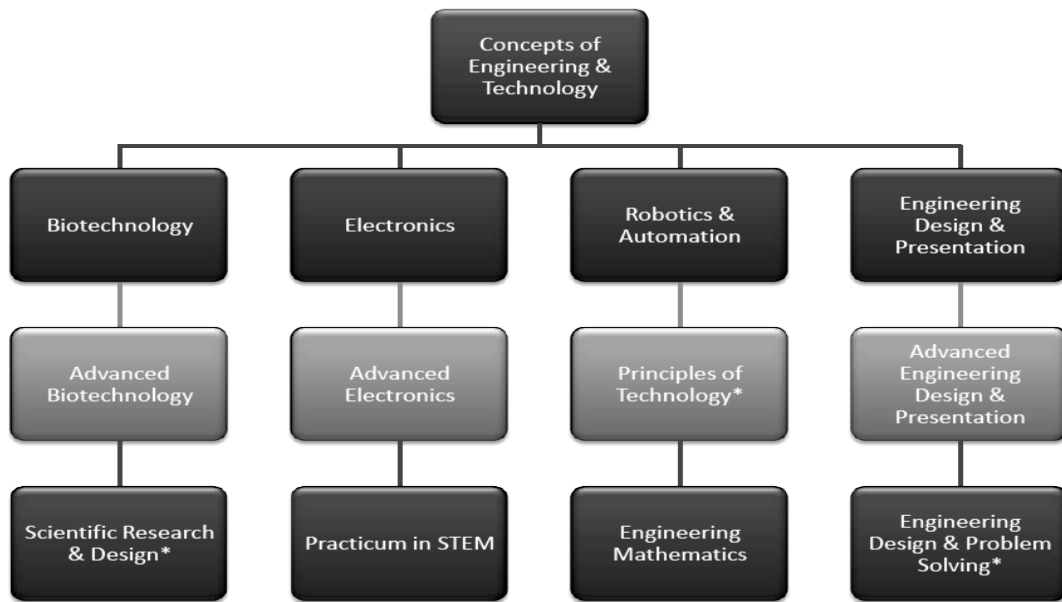
Grades 10 – 12

Prerequisite: None

Cost of materials and supplies: \$15

Students will have the opportunity to develop skills that involve electronic media techniques necessary for a business to compete in a global economy. Students will coordinate online and off-line marketing. Students will demonstrate critical-thinking skills used in decision-making models, case studies, various technologies, and business scenario.

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS



* Course approved for science credit

K5281 Engineering Design & Presentation (Engineering CAD)

(90 min. – 18 weeks)

1 Credit

Grades 10 -12

Prerequisites: Algebra I

Students enrolled in this course will demonstrate knowledge and skill of the process of design as it applies to engineering fields using software applications and tools necessary to produce and present working drawings and prototypes. Students will use 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. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

K5291 Advanced Engineering Design & Presentation

(180 min. – 18 weeks)

2 Credits

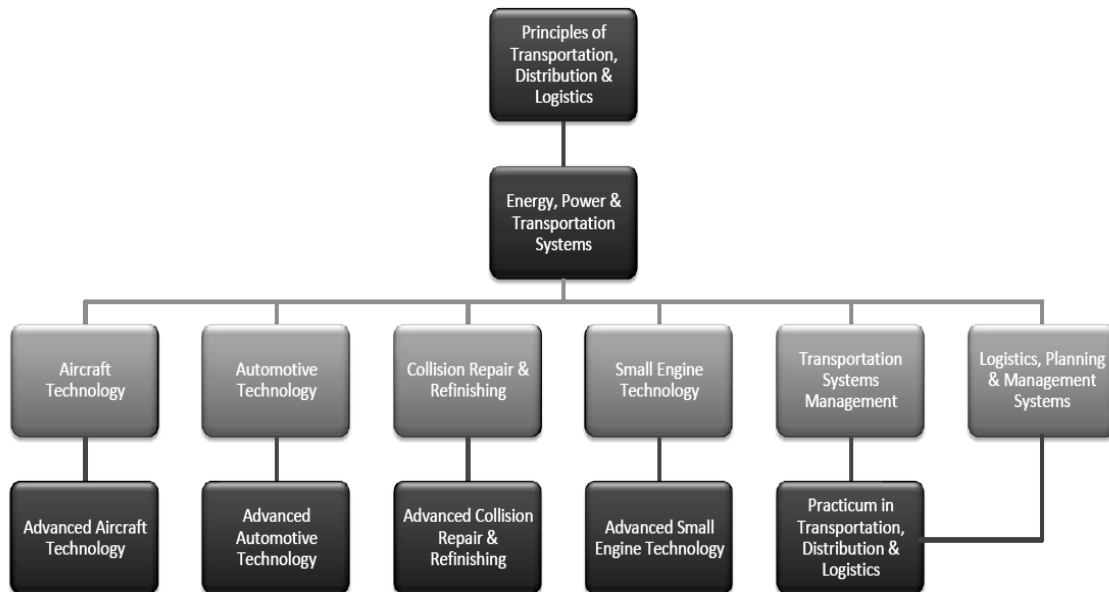
Grades 11 – 12

Cost of materials and supplies: \$20

Prerequisite: Engineering Design & Presentation

This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering thought and application of the design process. Students apply concepts of engineering and use a variety of technologies to develop prototypes to solve specific problems.

TRANSPORTATION, DISTRIBUTION AND LOGISTICS



K579 Automotive Technology
(90 min. 36 weeks)

2 Credits
Grade 11

Prerequisites: Energy, Power & Transportations Systems, Small Engine Technology
Automotive services include knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus on this course is to teach the theory of operation of automotive vehicle systems and associated repair practices in a pre-employment laboratory. This course is taught at Conroe High School. Transportation will be provided by The Woodlands High School to Conroe High School.

K580 Advanced Automotive Technology

(90 min. – 36 weeks)

3 Credits

Grade 12

Prerequisite: Automotive Technology

Automotive services include advanced knowledge of the function of the major automotive systems and principles of diagnosing and servicing these systems. In Advanced Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach the theory of operation of automotive vehicle systems and associated repair practices in a pre-employment laboratory.

This course is taught at Conroe High School. Transportation will be provided by The Woodlands High School to Conroe High School.

K581 Collision Repair & Refinishing

(90 min. – 36 weeks)

2 Credits

Grade 11

Provides a two year program in the areas of: auto metal repair and reconditioning, auto rebuilding and auto refinishing, estimating costs of auto body repairs, and developing proper techniques for the applications of oxyfuel welding, cutting, razing, soldering, and electric welding processes.

This course is taught at Conroe High School. Transportation will be provided by The Woodlands High School to Conroe High School.

K582 Advanced Collision Repair & Refinishing

(90 min. – 36 weeks)

2 Credits

Grade 12

Prerequisite: Collision Repair & Refinishing

Students will continue learning in the area of Collision Repair & Refinishing. In the spring semester of this course students will be afforded the opportunity to work in an industry in a related field. This real world work experience can take the form of either an internship or as career preparation training through the coordination of the Instructor.

This course is taught at Conroe High School. Transportation will be provided by The Woodlands High School to Conroe High School.

AIR FORCE JUNIOR ROTC

AFJROTC is an elective or PE substitute class which aims to build better citizens of character for America. JROTC goals are to instill the values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment in high school students. JROTC objectives are to develop leadership, promote community service, instill responsibility, character and self-discipline, and to provide a hands-on leadership learning laboratory. AFJROTC students are expected to live by an honor code and incorporate core values of integrity first, service before self, and excellence in all they do in all aspects of their lives. Wear of an issued US Air Force uniform once a week is required, including complying with grooming standards. Students may be removed from JROTC for failure to comply with standards or for incompatibility.

NOTE: AFJROTC has *no* connection to military recruiting—instructors are all retired Air Force veterans and are school district employees.

Each year/class of JROTC (represented below by ROTC1, 2, 3 and 4) is composed of three components. First is Leadership Education (LE) incorporating leadership, careers, and military topics as well as marching. Second is the Aerospace Science (AS) academic component including history, global studies, life skills and survival. Wellness is the third component and includes physical and mental wellness. AS and LE each constitute 40% of every course and wellness makes up the remaining 20%. Courses are listed below. The course selection form will indicate the amount of time and grade levels for each course.

ROTC 1 (generally first-year cadets)

LE I: Citizenship, Character and Air Force Tradition. Introduction to the goals and objectives of JROTC, character development, citizenship and the importance of physical/mental fitness.

AS I: A Journey into Aviation History. (Fall of 2009) Aviation history course focusing on the development of flight throughout the centuries beginning with ancient civilizations, progressing through time to modern day.

Wellness. This component consists of weekly physical fitness participation in endurance, strength, stretching, and team building activities. Includes lessons on nutrition, stress, and other wellness issues.

ROTC 2 (generally second-year cadets)

LE II: Human behavior and Leadership Principles. A basic study of human relationships, group behavior and dynamics, and leadership fundamentals needed to become an effective leader.

AS II: A multidisciplinary course introducing various regions of the world from a geographic, historical and cultural perspective. Emphasizes international awareness and insight into foreign affairs. Regional areas examined will begin with the Middle East, and may include Europe, South Asia, East Asia, Africa, and Latin America.

Wellness. This component consists of weekly physical fitness participation in endurance, strength, stretching, and team building activities. Includes lessons on nutrition, stress, and other wellness issues.

ROTC 3 (generally third-year cadets)

LE III: Life Skills. Explores career paths and higher education choices, financial planning, and real life issues such as understanding contracts, leases, wills warranties, and other legal documents and requirements.

AS III: Survival Training. A synthesis of the basic survival information found in Air Force Survival Training providing training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival.

Wellness. This component consists of weekly physical fitness participation in endurance, strength, stretching, and team building activities. Includes lessons on nutrition, stress, and other wellness issues.

ROTC 4 (generally fourth-year cadets)

LE IV: Principles of Management. A guide to understanding the fundamentals of management, managing yourself, and others. Course is taught in combination with ASIV and constitutes our senior “staff” leadership class.

AS IV: Management of the Cadet Corps. Capstone course which includes hands-on experience putting the theories of previous leadership courses into practice. All the planning, organizing, coordinating, and decision-making for the cadet corps will be done by the cadets. Senior cadets in this course will literally “run” the cadet corps under instructor guidance.

ASIV Policy and Organization (alternative for seniors not in Staff). Covers the purposes of the Department of Defense, the Air Force and the functions, organization, and mission of the four branches of service. It discusses/describes the United States’ National Security Strategy, defense structure of the US and current Air Force operations and personnel issues.

Wellness. This component consists of weekly physical fitness participation in endurance, strength, stretching, and team building activities. Includes lessons on nutrition, stress, and other wellness issues.

Courses are listed below. The course selection form will indicate the amount of time and grade levels for each course.

8801 JROTC I (90 min. – 18 weeks)	Grades 9-12
8804 JROTC I (45 min. – 36 weeks)	Grade 9
8811 JROTC II (90 min. – 18 weeks)	Grades 10-12
8814 JROTC II (45 min. -36 weeks)	Grades 10-12
8821 JROTC III (90 min. -18 weeks)	Grades 10-12
8834 JROTC IV (45 min. -36 weeks)	Grades 11-12

SPECIAL EDUCATION

The following courses are available for students who have Individualized Educational Plans. The curriculum is modified for a student's plan and these courses are taught through the Special Services Department. Course selections for these courses will be done during the student's ARD. The specific courses for each student will also be determined during each student's annual ARD.

Science

Science Applications 1

(90 min. – 18 weeks) 1 credit

Prerequisite: ARD Decision

This course includes such subjects as states of matter, machines, motion, light, the periodic table, and balancing chemical equations. This course has a lab component. Students will learn to practice safe laboratory procedures using the periodic table.

Science Applications 2

(90 min.-18 weeks) 1 credit

Prerequisite: ARD Decision

This course involves using accurate metric measurements, scientific notation, and significant figures during lab activities. Topics will include the history and structure of the atom, the periodic table, balancing chemical equations, identifying types of chemical reactions, the law of conservation of mass, the gas laws, and the characteristics of acids and bases.

Science Applications 3

(90 min.-18 weeks) 1 credit

Prerequisite: ARD Decision

This course is a lab-oriented science. Topics will include forces and motion, work and power, simple machines, electricity, magnetism, the law of thermodynamics, characteristics and behavior of waves, and simple examples of quantum physics.

Science Applications 4

(90 min. – 18 weeks) 1 credit

Prerequisite: ARD Decision

This course examines environmental problems, both natural and human-made, and alternative solutions for resolving and/or preventing them.

Social Studies

Social Studies Applications 1

(90 min. – 18 weeks) 1 credit

Prerequisite: ARD Decision

This course covers the physical and cultural environments of the world with emphasis on the five themes of geography: place, location, regions, human interaction, and movement.

Social Studies Applications 2

(90 min. - 18 weeks) 1 credit

Prerequisite: ARD Decision

This course is a comprehensive study of the development and history of a variety of world cultures. Emphasis is placed on social, political and economic factors of these cultures and their contributions to civilizations.

Social Studies Applications 3

(90 min. - 18 weeks) 1 credit

Prerequisite: ARD Decision

This course is a comprehensive look at United States History from reconstruction to the present day. Emphasis is placed on the social and political events that helped shape the United States.

Social Studies Applications 4

(90 min. - 9 weeks) .5 credit

Prerequisite: ARD Decision

This course covers the basic knowledge and skills needed for students to participate in American Government at the national, state and local levels. Students learn the rights and responsibilities of citizens.

Social Studies Applications 4

(90 min. - 9 weeks) .5 credit

Prerequisite: ARD Decision

This course covers the basic concepts of economic systems, principles and functions of the elements of the free enterprise systems.

Mathematics

Math Applications 1

(90 min. - 18 weeks) 1 credit

Prerequisite: ARD Decision

This course concentrates on the basic skills of math such as: addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals; change mixed numbers into improper fractions; convert fractions into mixed numbers; reduce fractions, find a common denominator and solve story problems.

Math Applications 2

(90 min. - 18 weeks) 1 credit

Prerequisite: ARD Decision

In this course the student will be able to calculate problems using fractions, percents and decimals in median, mode, bar, line and or circle graph problems. The student will learn to write checks, compare food costs, and calculate the costs of renting items.

Math Applications 3

(90 min. – 18 weeks) 1 credit

Prerequisite: ARD Decision

This course is an extension of Math Application 2.

Math Applications 4

(90 Min. – 18 weeks) 1 credit

Prerequisite: ARD Decision

This course is an extension of Math Application 3.

Language Arts

English Applications 1

(90 min. – 18 weeks) 1 credit

Prerequisite: ARD Decision

This course reviews a variety of genre including short stories, poetry, and a short novel. Students write various types of paragraphs and essays and review sentence patterns, grammar, and language usage. In addition, TAKS objectives will be addressed.

English Applications 2

(90 min. – 18 weeks) 1 credit

Prerequisite: ARD Decision

This course reviews and extends knowledge of grammar, language usage, agreement, and sentence and paragraph construction, organization of multi-paragraph essays, and uses research strategies such as outlining. It includes a variety of literary studies

English Applications 3

(90 min. - 18 weeks) 1 credit

Prerequisite: ARD Decision

This course focuses on writing skills to strengthen the student's ability to develop a thesis statement, supporting paragraphs, and a conclusion; clarity of grammar and language usage, a research project to promote skills in organizing material from several sources and in the usage of the library, and spelling and vocabulary development. It includes a variety of literary studies.

English Applications 4

(90 min. - 18 weeks) 1 credit

Prerequisite: ARD Decision

This course focuses on improving comprehension and composition skills, reviews grammar and language usage, continues spelling and vocabulary development, and extends research skills through the writing of a research paper.

Life Skills

Fundamental Academics –Math, English, Science and Social Studies**(Time and credits are determined by ARD)**

In this course students will develop/improve basic reading, writing, math, science, and social studies skills. The students will learn how to locate and interpret information and find and keep employment positions.

On Campus Training (Time and credits are determined by ARD)

In this course students will develop employment skills at work sites on campus. Job coaches will be provided as necessary.

