

Canadian HIGH SCHOOL COURSE GUIDE 2017-2018



What's Inside:

General Information.....	2
Distance Learning (TxVSN).....	3
Graduation Requirements	4
Language Arts.....	5
Communications	7
Math.....	8
Social Studies	10
Science	12
Fine Arts	15
Foreign Languages	17
Physical Educations	18
Career & Technology Course Guide:.....	19
Agricultural Studies.....	20
Business & Computer Technology.....	23
Family & Consumer Sciences.....	24
Online CTE Courses.....	27
Prep for College Calendar	37

GENERAL INFORMATION

COURSE SELECTION AND PROGRAM PLANNING

The proper selection of courses is one of your most important tasks. Consider with care the many courses listed in this guide. Course selections during pre-registration are considered final.

Requests to change a schedule can be made within the 1st week of the semester for the following reasons:

- ◆ Student is in a class for which credit has already been received.
- ◆ Student is repeating a course with a teacher with whom s/he has failed previously.
- ◆ Student needs to move from an Honors or AP class to a regular class in the same subject.
- ◆ Student needs a class in order to complete grade level requirements for graduation.
- ◆ Student has extenuating circumstances and the change is permitted by the Principal.

STUDENT CLASSIFICATION

To be classified a senior a student must have earned at least 18 credits. A junior must have 12 credits and a sophomore, 6 credits. It is very important that final grades and credits be checked each year to ensure that satisfactory progress toward graduation is being made. Keeping up with the number of credits is the responsibility of the student and his/her parents/guardians. Consult your counselor for verification of credits. Credit for a course will be awarded per semester for a grade of 70 or higher.

Students must be aware that classes that are required for graduation must be passed! If you do not pass a required 1 semester class, you must take it over. Full year courses require an average of 70. If a grade of 70 is not achieved, 1 or both semesters may have to be repeated.

COLLEGE ENTRANCE REQUIREMENTS

Foundation Plan may meet the entrance requirements of some colleges, universities, and technical schools. However, college-bound students will better meet college entrance requirements and recommendations by following the Endorsement Plan and obtaining the Distinguished Level of Achievement. Once a student decides to attend a particular university, college, or technical school, s/he should review his/her four-year plan to make sure all entrance requirements are met for that institution.

Students who rank in the top 10% of their graduating class receive automatic admissions into any Texas state college or university excluding UT. UT automatically admits the top 7%.

HONORS AND DUAL CREDIT COURSES

Honors and Dual Credit courses are available for advanced students willing to accept the extra challenge. These courses carry grade points weighted to reflect the additional demands. They are designed for students who meet the following criteria:

- 1) Reading at or above grade level
- 2) Past history of high achievement as reflected in grades and test scores
- 3) Intellectual maturity and ability as reflected in test scores and teacher observations
- 4) Prerequisite courses where applicable
- 5) Motivation and time to put forth the extra effort demanded
- 6) Students must meet the college readiness criteria to be eligible to take a dual credit course.

The decision to take an Honors or Dual Credit class is not to be made lightly: it is a yearlong commitment to a more demanding curriculum.

GRADE POINT AVERAGES

All courses at CHS are assigned a grade point level based on the relative difficulty of the course. The weighted value of the course will be used to determine grade point averages. GPA tables are in the school handbook.

LOCAL CREDIT COURSES

Local credit courses are courses approved by the Canadian Board of Trustees for local credit only. These courses do not count toward the required 23 STATE graduation credits. Such courses include STAAR Review classes, Office Aide, Library Aide and Study Hall. Your counselor will inform you if other courses you are scheduled to take fall into this category.

CREDIT BY EXAM/ACCELERATION

Exams are offered twice a year for acceleration at no cost to the student. Students will be awarded credit for an academic subject in which s/he **has had no prior instruction** if the student scores a **80** on the exam.

CREDIT RECOVERY

Students needing to recover credits will need to talk with the counselor about possible options.

DISTANCE LEARNING

Distance learning and correspondence courses include courses that encompass the state-required essential knowledge and skills but are taught through multiple technologies and alternative methodologies such as mail, satellite, Internet, video-conferencing, and instructional television.

The Texas Virtual School Network (TxVSN) has been established as one method of distance learning. A student has the option, with certain limitations, to enroll in a course offered through the TxVSN to earn course credit for graduation.

Depending on the TxVSN course in which a student enrolls, the course may be subject to the “no pass, no play” rules. In addition, for a student who enrolls in a TxVSN course for which an end-of-course (EOC) assessment is required, the student must still take the corresponding EOC assessment

If you have questions or wish to make a request that your child be enrolled in a TxVSN course, please contact the **school** counselor. **Unless an exception is made by the principal, a student will not be allowed to enroll in a TxVSN course if the school offers the same or a similar course.**

Sources for online coursework include but are not limited to:

TxVSN: <https://www.txvsn.org/>

Apex Learning: <https://www.apexlearning.com/>

Fuel Education: <http://www.fueeducation.com/>

Texas Tech ISD: <https://www.depts.ttu.edu/ttuisd/>

UT High School: <https://highschool.utexas.edu/>

**CANADIAN HIGH SCHOOL GRADUATION REQUIREMENTS
FOR STUDENTS IN GRADE 9-12 (Others may opt in) IN 2017-2018**

Course	Foundation 2014-15	DISTINGUISHED
ELA	English 1 English 2 English 3 Additional ELA (list)	
Math	Algebra 1 Geometry Additional Math (list)	← Algebra 2 Advanced Math Elective
Science	IPC or Science Elective (list) Biology Additional Science (list)	Advanced Science Elective
Social Studies	World Geography or World History US History US Gov't/Economics	
PE	1 credit	
Foreign Language	1st year 2nd year	
Fine Arts	1 credit	
Electives	Health 1/2 credit Comm Appl - 1/2 credit Technology - 1 credit 4 Elective Credits	4 Endorsement Credits
Total Credits	23 credits	27 credits

A student must earn distinguished level of achievement to be eligible for top 10% automatic admission.

Available Endorsements requiring additional courses are:
STEM, Business & Industry, Public Services, Arts & Humanities,
or Multidisciplinary Studies

Check with your counselor to explore these options and their requirements.

LANGUAGE ARTS

English 1

0900

Grade Placement: 9 Credit: 1

English 1 is a state-required course in writing and literature. Students are expected to analyze and interpret various forms of literature. Students will learn and practice the writing process, with special emphasis placed on usage. Students will conduct an online research PowerPoint project.

English 1 Honors

0904

Grade Placement: 9 Credit: 1

English I Pre-AP is a state approved course in literature and composition. It exceeds the TEKS (Texas Essentials Knowledge and Skills) for English 1. The course requires higher levels of commitment and more independence than does English 1. Students are required to do independent projects in addition to regular assignments. It is assumed that students in pre-AP courses can spend less time on the mechanics of writing (spelling, usage, etc.) and more time on literature and literary criticism. Students will conduct a research project, preparing them to write full research papers in English II Honors.

English 2

0905

Grade Placement: 10 Credit: 1

English 2 is a required 10th grade English class. The focus is on the enhancement of reading and writing skills, as well as developing an appreciation of literature. Students are expected to use basic reading and writing skills to interpret, analyze, and evaluate various forms of literature. This course includes an extensive amount of writing with a focus on persuasive writing. Students will conduct a research project, preparing them to write full research papers in English III and English IV.

English 2 Honors

0908

Grade Placement: 10 Credit: 1

In English 2 Honors students develop higher level thinking skills, work at an accelerated pace, and work on additional projects individually outside the classroom. Less time is devoted to the teaching of writing mechanics and basic reading skills, and more time is spent allowing students to develop their writing style, accelerate their reading pace and participate in creative aspects of literature and writing. Students will conduct a full research project and complete a documented essay in MLA format.

English 3

0910

Grade Placement: 11 Credit: 1

Students in English 3 study and analyze American literature from the country's inception to the present, identify literary elements, styles, and form. Readings include short stories, novels, letters, and poetry. The course contains an extensive amount of writing and preparation for standardized tests. Students will conduct a research project and complete a documented essay in MLA format

English 3 Honors 0913

Grade Placement: 11 Credit: 1

Rhetoric is the art of persuasion. English III Honors is designed to study rhetoric by looking at the artistic style and specific persuasive techniques used by authors. The course is designed around major American literature the country's inception to today focusing on literary elements, styles and forms. Students will analyze how these techniques are used to persuade audiences and then students will apply the techniques to their own persuasive writing. In addition, students will choose a current, controversial topic and to explore using appropriate research techniques. This course will require extensive reading and writing.

English 4 0915

Grade Placement: 12 Credit: 1

Prerequisites: Eng 1, Eng 2, Eng 3

English 4 combines various essential elements in writing and literature. Students write critical essays, study British literature, and study the growth of western civilization. Students conduct a research project, with emphasis on higher level search processes, and complete a documented essay in MLA format.

English 4 - Dual Credit – FPC 0918

Grade Placement: 12 Credit: 1

Note: Students must demonstrate college readiness.

Prerequisites: Eng 1, Eng 2, Eng 3

Students will be expected to think on a higher level, work at an accelerated pace, and work independently outside the classroom. Less time will be spent on the mechanics of writing, but rather on more advanced essays of literary criticism and literary analysis. Student will review research skills as needed, and learn higher-level searching processes.

Business Writing 0929

Grade Placement: 12 Credit: 1

Prerequisites: Eng 1, Eng 2, Eng 3

Business Writing allows high school students to satisfy the 4th English credit while developing skills necessary for business writing. This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary for today's workplace.

Reading 1, 2, 3 0107 0207 0305

Grade Placement: 9-12 Credit: 1

This class develops vocabulary through a structured set of activities, including word study, comprehension strategies, grammar and language usage, increasing rate of reading, and writing. Each student is tested and taught on his/her own reading level. Student progresses through the program until they pass the STAAR EOC Eng 1 and 2.

Literary Genres

0930

Grade Placement: 9-12 Credit: 1

An intensive study of literary genres covering fiction, non-fiction, poetry, drama, as well as a focus on literary terms and usage.

COMMUNICATIONS

Journalism I, 2, and 3 (Newspaper)

1319 1301 1302 1303

Grade Placement: 10-12 Credit: 1

This course is an overview of the history and legal, ethical role of journalism in our daily lives. This course offers a look into the world of journalism from the colonial days to the present sweeping changes in mass communications. The course requires intensive reading, language skills, and knowledge of past and current events.

Principles of Arts, Audio Video Technology, and Communications-- Yearbook Production 1, 2, and 3

1256

Grade Placement: 10-12 Credit: 1

Students will learn magazine writing techniques, photography, editing, interviewing, design, layout, budgeting, marketing, and sales. Students will learn graphic design. Requires ability to assume responsibility and work independently. Must be willing to work after school hours. Strong writing skills are a bonus. In addition, this course introduces the student to all phases of the television field and studio production including concept development, scripting, preproduction, camera work, editing, sound mixing, and postproduction. Emphasis will be on the various technologies associated with video production. Students will be provided with an overview of the media industry and will learn the basic create, edit, and render skills needed to design and produce multimedia presentations that use video and audioresources as well as create the Yearbook using these techniques.

Professional Communications (Speech)

0860

Grade Placement: 9-12 Credit: ½

This course is designed to enhance and refine communication skills by learning and practicing verbal, non-verbal and listening skills in interpersonal, group and professional situations. It is designed to prepare students for college and job interviews and for work-related dialogues between customers, employers and fellow employees. THIS COURSE IS REQUIRED FOR HIGH SCHOOL GRADUATION ON ALL PLANS.

Debate 1, 2, 3

1307 1308 1337

Grade Placement: 9-12 Credit: 1

This course begins with learning the basic language and process of debate. The UIL and National Debate topics as well as current issues and events play a large role in study material for the class. There will be extensive reading, writing, analyzing, speaking and researching in this class.

Introduction to Speech Communication - Dual Credit- FPC (Public Speaking)

1318

Grade Placement: 11-12 Credit: ½

Note: Must demonstrate college readiness.

This course introduces basic communication principles and theories imbedded in a variety of context including interpersonal small group and public speaking.

Category focuses developing ideas and expressing them clearly considering the effect of the message fostering understanding and building the skills needed to communicate persuasively.

Courses involve the command of oral aural, written and visual literacy skills that enable people to exchange messages appropriate to the subject, location and audience.

MATHEMATICS

Algebra I

0951

Grade Placement: 9- 12 Credit: 1

Algebra 1 is a study of real numbers, variables, functions, polynomials, and the application of algebraic properties. Equations, inequalities, graphing, factoring, and exponents are also covered.

Algebra 2

0955

Grade Placement: 9 - 12 Credit: 1

Recommended Prerequisite: 9th graders or, 80 or above in Middle School Alg 1

Algebra 2 is a study of mathematical statements, equations, inequalities, functions, systems, polynomials, rational and radical expressions, complex numbers, graphing parent functions, conic sections, square root functions, and exponential and logarithmic functions.

Geometry

0957

Grade Placement: 9- 12 Credit 1

Geometry is the study of visual thinking and mathematical models; angles and parallel lines; triangles; area; polygons and polyhedrons; similarity and congruence; circles and spheres; surface area and volume; and transformations and patterns.

Mathematical Models with Applications

0964

Grade Placement: 10- 12 Credit: 1

Prerequisite: Algebra 1

Students use algebraic, graphical and geometrical reasoning to recognize patterns and structure, to model information and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, patterns, music, design and science. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts.

Pre-calculus - Dual Credit – FPC

0967

Grade Placement: 11-12 Credit: 1

Prerequisites: Algebra 1, Geometry, Algebra 2

Note: Must demonstrate college readiness.

Pre-calculus - Dual Credit is a rigorous curriculum that is the study of functions and their graphs. The functions to be studied are polynomial, rational, logarithmic, exponential, radical and trigonometric. Also studied are sequences, series and limits. The course is designed to prepare students for and is a **required prerequisite** for the challenging curriculum of Calculus-Dual Credit. It is a recommended course for students planning college studies in math, science and/or engineering.

Calculus AP- Dual Credit – FPC

0956

Grade Placement: 11-12 Credit: 1

Prerequisite: Pre-Calculus

Note: Must demonstrate college readiness.

Calculus AP will involve the student in the study of limits, differentiation, integration, and their application. The course emphasizes related rates, maximum and minimum, areas, and volumes. Students who plan to major in science, engineering, or business should consider calculus. The pace is rigorous, and the students will be challenged.

College Algebra – Dual Credit – FPC

0975

Grade Placement: 12 Credit: ½

Prerequisite or Co-requisite: Algebra 2

Note: Must demonstrate college readiness.

In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topic such as sequences, series, probability, and conics may be included.

SOCIAL STUDIES

World Geography

1064

Grade Placement: 10 Credits: 1

World Geography covers the relationship between man and conditions on the earth's surface and stresses the importance of culture. General topics include climates, maps, surface features, vegetation, countries, products, natural resources, and distribution of population. Students will use geographic concepts to study specific nations and regions of the world. Emphasis is on understanding interactions between man and the environment.

World History- online

1066

Grade Placement: 9-12 Credits: 1

Students will study man's development from ancient time to the present. Greece, Rome, Britain and France will be emphasized because of their government and philosophy. The development of communist nations will be included in preparation for American History and Government.

U.S. History

1062

Grade Placement: 11 Credits: 1

American History covers the political, economic, and social development of the United States, emphasizing the time period from the Reconstruction Era to the present day. Students will study significant people, events and issues of American History. Social studies skills of inference, sequencing, analysis of primary and secondary sources, interpreting charts, graphs and maps, identifying cause and effect, and using critical thinking skills will be reinforced. Projects, essays, research and the use of technology may be incorporated to enhance learning.

U.S. History – Dual Credit- FPC

1063

Grade Placement: 11-12 Credit: 1

Note: Must demonstrate college readiness.

Dual Credit U.S. History covers American history from the colonial period to the present. It provides students with the analytical skills and factual knowledge necessary to deal with the problems and materials in American History. Students will learn to assess historical materials, including their relevance to a given interpretive problem, their reliability, and their importance. Students will take essay examinations and write analytical essays and research papers.

U.S. Government

1055

Grade Placement: 12 Credits: ½

This is a course designed to give students a general overview of the U. S. Government. Emphasis is placed on the historical foundations of our present system, analysis of the Constitution and its effect on our lives today, knowledge and application of the Bill of Rights, civil rights, political parties and public participation, voting, comparing our system of government to others, and state and local governments. Students are encouraged to follow current events and become active participants in our democratic process.

Government & Politics - Dual Credit- FPC 1057

Grade Placement: 12 Credits: ½

Note: Must demonstrate college readiness.

Dual Credit Government covers the development and growth of American political institutions since the Colonial era. Students will learn an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs and ideas that constitute current political reality. General areas that will be covered include constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, institutions of the national government, public policy and civil rights.

Economics 1051

Grade Placement: 12 Credits: ½

This course is designed to give students a general overview of the U.S. economic system. Emphasis is on the market system of economy and how the supply/demand, banking systems, and government policies affect the U.S. market system. Students will have an opportunity to compare the concepts of other economic systems in other countries to the market system in the U.S. Consumer economic skills will be taught to enhance students' abilities to successfully handle their personal finances.

Economics- Dual Credit- FPC 1053

Grade Placement: 12 Credits: ½

Note: Must demonstrate college readiness.

This course is an analytical study of the basic principles of macroeconomics, essential to an understanding of economic issues and policy making in the United States. The course will also take into consideration the impact of the Global economy on United States policy decisions. In addition, the course is designed to help students understand the economic system and its impact on them as consumers, workers, taxpayers, and citizens. It will also include a personal finance component as required by State law. Successful completion of the course will enable the student to receive credit for college level work completed at the secondary level as well as the required high school credit.

SCIENCE

Integrated Physics & Chemistry

1010

Grade Placement: 9-10 Credit: 1

This course is a study of the metric system, measurement, the nature and structure of matter, physical and chemical changes, forces, thermal energy, motion and machines, electricity and magnetism, waves, light, sound, elements and their properties, compounds, solutions, chemical reactions, acids, bases, and salts.

Biology

1002

Grade Placement: 9-10 Credit: 1

This is a lab science course that emphasizes the role of living things in the environment. Students will conduct field and laboratory investigations over a variety of topics that include: structures and functions of cells and viruses, growth and development of living organisms from cells to tissues to organs to organ systems, genetics, evolution, taxonomy, metabolism and energy transfer in living organisms, living systems, homeostasis, ecosystems and plants. Students gain understanding of how biology relates to everyday life.

Chemistry

1006

Grade Placement: 10-11 Credit: 1

Prerequisite: Biology, Algebra 1, and IPC or permission from Biology teacher to skip IPC.

This course is the study of structure, composition, and behavior of matter. Emphasis is placed on practical principles and concepts of general chemistry, and the quantitative aspects of chemical reactions are stressed. Topics include the nature of matter, physical states of matter and the composition of matter. This class is for college preparation in chemistry (like a Pre-AP class), so it goes beyond the scope of the STAAR test to prepare students for the rigor of college chemistry.

Chemistry AP

1008

Grade Placement: 11-12 Credit: 1

Recommended Prerequisite: 90 or above in regular science and math courses. Completion of Biology and Chemistry

This course covers the atomic and periodic nature of matter, the physical status of matter, quantities and qualitative aspects of chemical reactions, chemical bonds, acids and bases, equilibrium, electrochemistry and organic chemistry. There is an emphasis on problem solving, and quantitative determinations related to chemical reactions. Preparation for the AP exam and more depth in concepts requires more outside class study time than in previous classes (about 30 minutes per day every day, or about 3 hours per week.)

Physics Honors

1014

Grade Placement: 11-12 Credit: 1

Recommended Prerequisite: Alg 2 and at least 2 lab science credits

Co-requisite: Pre-Calculus (or have already taken)

This course addresses the fundamental interactions between matter and energy, including mechanics, properties of matter, heat, sound and light, electricity and magnetism, and atomic and nuclear physics. Being in (or have already taken) Pre-Calculus is recommended since vectors are used in calculations (sine, cosine and tangent). The first semester concentrates on laws of

motion (Newton's 3 laws and velocity, acceleration, distance relationships). The second semester concentrates on sound, light and electricity.

Biology Honors – Dual Credit- FPC

1003

Grade Placement: 11- 12 Credit: 1

Prerequisite: IPC and Biology

Note: Must demonstrate college readiness.

This course is an in-depth survey in general biology. Emphasis is on cell biology genetics, botany, zoology, microbiology, and vertebrate anatomy and physiology.

Anatomy & Physiology Honors

1001

Grade Placement: 11 & 12 Credits: 1

Introduction to basic biological principles as applied to the human. Detailed studies of the human body plan, terminology and the integumentary, nervous, cardiovascular, endocrine, respiratory, digestive, urinary and reproductive and muscular systems.

Geology - Dual Credit – FPC

1009

Grade Placement: 11-12 Credits: 1

Note: Must demonstrate college readiness.

Principals of physical and historical geology. Study of the earth's composition, structure, and internal and external processes. Includes the geologic history, deformation, mass movement, weathering, types of rocks, and the minerals that make up the rocks.

Environmental Science

1019

Grade Placement: 10-12 Credits 1

Students will learn the major ecological concepts and the environmental problems that affect the world in which they live. The course will also introduce students to technological developments that have created environmental problems as well as technology that is being used to help solve the problems.

Advanced Plant and Soil Science

1250

Grade Placement: 11-12 Credit: 1

Note: May be taken for dual credit (high school & college) or for high school credit only.

- (1) Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science.
- (2) Investigations, laboratory practices, and field exercises are to be used to develop an understanding of current plant and soil science.
- (3) This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting.

Advanced Animal Science 1230

Grade Placement: 11-12 Credit: 1

Prerequisites: Biology, IPC, Algebra 1 and Geometry. Small Animal Management or Equine Science.

Note: May be taken for dual credit (high school & college) or for high school credit only.

- 1) **Advanced Animal Science.** To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.
- 2) **Nature of science.** Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.
- 2) **Nature of science.** Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.
- 3) **Scientific inquiry.** Scientific inquiry is the planned and deliberate investigation of the natural world. Scientific methods of investigation are experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked.
- 4) **Science and social ethics.** Scientific decision making is a way of answering questions about the natural world. Students should be able to distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information).
- 5) **Science, systems, and models.** A system is a collection of cycles, structures, and processes that interact. All systems have basic properties that can be described in space, time, energy, and matter. Change and constancy occur in systems as patterns and can be observed, measured, and modeled. These patterns help to make predictions that can be scientifically tested. Students should analyze a system in terms of its components and how these components relate to each other, to the whole, and to the external environment.

FINE ARTS

Theatre Arts 1

1112

Grade Placement: 9- 12 Credit: 1

Note: Students will have the opportunity to audition for One Act Play.

Theatre Arts I is an introduction to theatre. Through a variety of experiences, students will communicate in a dramatic form, make artistic choices, solve problems, build positive self-concepts and relate interpersonally. Through perceptual studies students will increase their understanding of self and others. This class involves studying theatrical terms, theatre history, and ACTING! After learning some basics, this is a performance-dominated class. Each student will perform some function in the production of a dinner theatre play.

Advanced Theatre (Theatre Arts 2, 3 & 4)

1113 1116

Grade Placement: 10- 12 Credit: 1

Prerequisite: Theatre Arts I

Note: Students will have the opportunity to audition for One Act Play.

Advanced Theatre classes are available to those students who have enjoyed and successfully completed either Theatre Arts 1. The advanced classes will be mostly performance based. The student will construct scenery, study traditional literary genres, perform advanced scene work, write monologues, scenes, and finally plays. Students must be willing to participate in numerous performance activities. Each student will perform some function in the production of a dinner theatre play.

Theatre Productions 1, 2, 3, & 4

1114 1115 1117 1118

Grade Placement: 9-12 Credit: 1

Prerequisite: Theatre Arts 1

Note: Students will have the opportunity to audition for One Act Play.

This class is all about the spectacle of theatre. This includes sound, lights, make-up, set design, props, and costuming. Students will complete several art projects related to color and design. Most projects are built around themes for theatrical productions. Students can be beginners or advanced at sketching and drawing. Also studied are history, culture, and effects of events in the world on art and theatre. Each student will perform some function in the production of a dinner theatre play.

ART 1, 2, 3, & 4

Art I-IV provides the students opportunities to develop and organize ideas from the environment; express ideas through original art works using a variety of media with appropriate skill; demonstrate an understanding of art history and culture as records of human achievement; and make informed judgments about personal art work and the art work of others. All projects give the student opportunity to use problem solving, critical thinking, creative thinking, and research skills.

Art 1

1103

Grade Placement: 9-12 Credit: 1

Art I serves to familiarize the student with techniques and methods in drawing, design, and painting. Students explore a wide variety of media, including pen and ink, charcoal, pastels, pencil, tempera and water colors. Hand-built or wheel-thrown pottery is introduced. Beginning printing procedures are covered.

Art 2 1104

Grade Placement: 10-12 Credit: 1

Prerequisite: 1 FULL Credit of Art 1

Art II emphasizes the development of style and technique in the areas of drawing, painting, printing, various craft projects, three-dimensional work, and electronic media-generated art. A wide variety of media is used to stress originality. Drawing and painting techniques introduced in Art I are enhanced and expanded. Experimental and imaginative approach is used in sculpture problems.

Art 3 1105

Grade Placement: 11-12 Credit: 1

Prerequisite: Art 2 and Instructor Approval

Art III is concerned with a depth of art experiences. The program is flexible in scope and is adapted to meet the individual student interests. Projects selected by the student and the instructor often include the preparation of the student's portfolio for college scholarship applications.

Art 4 1119

Grade Placement: 12 Credits: 1

Prerequisite: Art 3 and Instructor Approval

individual exploration is encouraged. Concentration experiences in areas of special interest are made possible. Students with more expertise in fine art area have an opportunity for in-depth experiences in one or more areas in which they desire to work. The student is encouraged to evaluate critically his/her own growth and development. Requirements for applying for college scholarships are met, and career opportunities in art are explored. Senior portfolios are prepared and senior exhibits for outstanding seniors will be planned and held on or off campus, or both.

Band 1, 2, 3, 4 1107 1108 1109 1110

Grade Placement: 9-12 Credit: 1

Performing Organizations: Wildcat Marching Band, Concert Band & Color Guard. Instrumental students may participate in any of the above groups with the approval of the head band director. Marching Band students will earn ½ credit for PE while participating in marching band (Fall Semester) and ½ credit for Fine Arts while participating in the concert band (Spring semester). The Wildcat Marching Band performs at all Canadian High School football games, two or three marching contests, parades, and UIL events. The Concert Band will perform in two or three concerts, and UIL events.

Applied Music 1, 2, 3, 4 1101, 1102, 1103, 1104

Grade Placement: 9-12 Credit: 1

Applied music is open to all band students in 9th-12th grade. In applied music you will focus on all region audition material, solos, and ensemble literature. Students who enroll in applied music are required to audition for the all-region band as well as perform a solo at solo and ensemble competition.

FOREIGN LANGUAGE

- other options are available online

Spanish 1

1202

Grades: 9-11 Credit: 1

Note: Freshman are only eligible for Spanish 1 if also taking English 1 Honors.

In Spanish 1, students focus on basic reading and writing in the Spanish language, while establishing their ability to speak and listen. There is an emphasis on vocabulary and grammar, including the present tense of regular and irregular verbs. Students will learn to introduce themselves, greet others, talk about what they do in their free time, and ask for directions among other things. Students also explore general cultural perspectives of Spanish-speaking peoples.

Spanish 2

1204

Grades: 9-12 Credit: 1

Prerequisite: Spanish 1

In Spanish 2, students continue to develop proficiency in all four language skills - listening, reading, writing and speaking. Emphasis is placed on verb usage, especially using the present and past tense. Information will be provided in real life situations using a variety of themes, such as vacationing, home life, current events, and pastimes. Students will also explore the customs and traditions of Spanish-speaking peoples.

Spanish 3

1205

Grades: 10-12 Credit: 1

Prerequisite: Spanish 2

In Spanish 3, students will improve their conversation skills and accuracy of grammar. The history and culture of Spanish speaking countries is explored. The course is designed for college-bound students or students who have a strong interest in learning Spanish. Students will conduct research projects that will increase their knowledge of cultural aspects of Spanish-speaking peoples.

Spanish 4 AP

1209

Grades: 12 Credit: 1

Prerequisite: Spanish 3

The three modes of communication (Interpersonal, Interpretive, and Presentational) defined in the Standards for Foreign Language Learning in the 21st Century are foundational to the AP Spanish Language and Culture course. The AP course provides students with opportunities to demonstrate their proficiency in each of the three modes in the Intermediate to Pre-Advanced range as described in the ACTFL Performance Guidelines for K–12 Learners. As such, the AP Spanish Language and Culture course has been designed to provide advanced high school students with a rich and rigorous opportunity to study the language and culture of the Spanish-speaking world that is approximately equivalent to an upper-intermediate college or university Spanish course.

PHYSICAL EDUCATION

Health Education

1334

Grade Placement: 9 - 12 Credit: ½

Health education involves the study of physical, mental and social health that will enable the student to live a longer and healthier life. Areas such as the heart, vessels and blood, digestive system, tissue maintenance, respiration, physical and mental fitness, reproductive health, drug awareness, and first aid are covered. Students are informed about health related career opportunities. THIS COURSE IS REQUIRED FOR ALL STUDENTS ON ALL GRADUATION PLANS (Canadian ISD)

Physical Education

1168 1169

Grade Placement: 9 - 12 Credit: ½ for each semester

Students will be taught how to develop and maintain an active lifestyle. Participating in an athletic class or on some athletic teams after school, band, and vocational co-op will meet physical education requirements. Units that will be covered in physical education are volleyball, flag football, weights, soccer, badminton, bowling, golf, softball, and archery.

Boys and Girls Athletics

Girls- 1160 1161 1162 1163 1164 1165 1166 1167

Boys- 1152 1153 1154 1155 1156 1157 1158 1159

Grade Placement: 9-12 Credit: ½ for each semester

Athletics at the high school level is highly competitive. When enrolled in athletics at the high school, practice of that sport every day during the athletic period is assigned. When the sport enters its competitive season, the athlete will normally practice an additional 1½ to 2 hours after school. Off-season athletes must be enrolled in athletic class unless there is an academic conflict; such a conflict needs to be cleared with the head coach of the sport. You must have prior approval for athletic period. Indicate the sport(s) in which you plan to compete.

Practice and competition for boys and girls in the following sports will be held after school: Track, Golf, Tennis and Cross Country.

Girls Physical Training Class

1150

Grade Placement: 9-12 Credit: ½ for each semester

This course is open to girls who participate in UIL competitive athletics at CHS, but are not enrolled in either of the current girls' athletic periods. This course is not mandatory to compete in cross country, tennis, track and field, and golf. The purpose of this course is to physically train students to improve their fitness, strength, stamina, and flexibility for UIL competitive athletic events.

**Canadian High School
Career & Technology
COURSE GUIDE
2017-2018**



AGRICULTURE STUDIES

All classes Will Not be offered each year

Equine Science

1389

Grade Placement: 9-12 Credit: ½

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Small Animal Management

1381

Grade Placement: 9-12 Credit: ½

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings.

Veterinary Medical Applications

1253

Grade Placement: 9-12 Credit: 1

Prerequisites: Equine Science, Small Animal Management, or Livestock Production

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings.

Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species.

Wildlife, Fisheries, and Ecology Management

1255

Grade Placement: 9-12 Credit: 1

To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply and transfer their knowledge and skills in a variety of settings. This course examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices..

Range Ecology and Management 1240

Grade Placement: 9-12 Credit: 1

To be prepared for careers in environmental and natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to environmental and natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course is designed to develop students' understanding of rangeland ecosystems and sustainable forage production.

Advanced Plant and Soil Science 1250

Grade Placement: 11-12 Credit: 1

Note: May be used as 4th year of science credit if taken after Chemistry & Physics

Students on the Foundation Graduation Program may take this course as a 3rd or 4th science credit.

May be taken for dual credit (high school & college) or for high school credit only.

- (1) Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science.
- (2) Investigations, laboratory practices, and field exercises are to be used to develop an understanding of current plant and soil science.
- (3) This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting.

Advanced Animal Science 1230

Grade Placement: 11-12 Credit: 1

Prerequisites: Biology, IPC, Alg 1 and Geometry. Small Animal Management or Equine Science.

Note: May be used as 4th year of science credit if taken after Chemistry & Physics

Students on the Foundation Graduation Program may take this course as a 3rd or 4th science credit.

May be taken for dual credit (high school & college) or for high school credit only.

- 1) Advanced Animal Science. To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. 2) Nature of science. Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

- 2) Nature of science. Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.
- 3) Scientific inquiry. Scientific inquiry is the planned and deliberate investigation of the natural world. Scientific methods of investigation are experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked.
- 4) Science and social ethics. Scientific decision making is a way of answering questions about the natural world. Students should be able to distinguish between scientific decision-making methods (scientific methods) and ethical and social decisions that involve science (the application of scientific information).
- 5) Science, systems, and models. A system is a collection of cycles, structures, and processes that interact. All systems have basic properties that can be described in space, time, energy, and matter. Change and constancy occur in systems as patterns and can be observed, measured, and modeled. These patterns help to make predictions that can be scientifically tested. Students should analyze a system in terms of its components and how these components relate to each other, to the whole, and to the external environment.

Agriculture Facilities Design and Fabrication 1229

Grade Placement: 9-12 Credit: 1

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to agricultural power, structural, and technical systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of agricultural power systems, metal fabrication techniques, agricultural structures, electrical controls, and land and water management systems.

Agriculture Mechanics and Metal Technologies 1227

Grade Placement: 9-12 Credit 1

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

Welding - Dual Credit- FPC 1244

Grade Placement: 11-12 Credit 1

Semester 1: Oxygen-Fuel Welding and Cutting (2 credit hours): Includes equipment safety, setup, and maintenance. Semester 2: Introduction to Shielded Metal Arc Welding (4 credit hours): Emphasis placed on power sources, electrode selection, oxy-fuel cutting, and various joint designs. Instruction provided in SMAW fillet welds in various positions.

BUSINESS & COMPUTER TECHNOLOGY

All classes *Will Not* be offered each year

Accounting

1225

Grade Placement: 10-12 Credit: 1

Students planning on majoring in any Business field in college or owning their own business will benefit from this business math course. Students apply technical skills to address business application of emerging technologies. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs.

Animation

1276

Grade Placement: 10-12 Credit: 1

Prerequisite: Business Information Management

Careers in animation span all aspect of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for creating motion graphics, students will be expected to develop an understanding of the of the history and techniques of the animation industry.

Business Information Management 1

1232

Grade Placement: 9-12 Credit: 1

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation. Possible MOS certification

Business Information Management 2- Dual Credit-FPC

1234

Grade Placement: 11-12 Credit: ½

Prerequisite: Business Information Management

Note: Student must demonstrate college readiness.

Extending the skills developed in Business Information Management 1

Computer Science 1, 2, & 3

1237 1238 1260

Grade Placement: 10 -12 Credits: 1

Note: Exception 9th Graders with a co-requisite of Algebra 2 and teacher approval.

Computer Science is a course on computer programming in Java. Students write their own computer programs, some as keyboard input procedural programming, and some graphical user interfaces dealing with the mouse as input (you may have seen Java applets on the internet). We have had much success in UIL Computer Science in the 21st Century, so we will work toward that goal as well. Computer Science 1 is an introduction to programming: writing if/else statements, loops, and starting Object Oriented Programming (OOP). We also look at sorting and searching algorithms. Computer Science 2 is a more in depth look into OOP and Advanced Data Structures (Trees, Maps, Stacks and Queues)

Principles of Arts, Audio Video Technology, and Communications-- (Yearbook) 1256

Grade Placement: 10 -12 Credits: 1

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology –driven society.

Web Mastering 1262

Grade Placement: 10-12 Credit:1

Prerequisite: Business Information Management

An introductory course in web mastering. Students are introduced to the World Wide Web, while learning HTML, a computer language used to create web pages. Students learn to create web pages by writing their own HTML code and eventually move to using a web authoring program.

Robotics and Automation 1023

Grade Placement: 9-12 Credit:1

Using robots we will cover the fundamentals of problem solving, program design, algorithms and programming using a high-level language. A robot is an embedded system of software and hardware. Programming and building robots applies science, technology, engineering and math (STEM) concepts. This course introduces the fundamental concepts of programming and robotics.

FAMILY AND CONSUMER SCIENCE

All classes *Will Not* be offered each year

Principles of Human Service 1235

Grade Placement: 9-12 Credit: 1

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

Child Development 1251

Grade Placement: 9-12 Credit: 1

Do I want to have children? How much do they cost, anyway? Why do babies cry all the time? These questions and more will be addressed in this interactive Child Development class. We will study child growth and development from prenatal through school age children. While we will look at careers related to the care and education of children, this class is considered a must for any young man or woman that sees children in their own future.

Principles of Education and Training 1370

Grade Placement: 9-12 Credit: ½

This course is designed to introduce learners to the various careers available within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within education.

Human Growth and Development 1248

Grade Placement: 10-12 Credit: 1

Prerequisite: Principals of Education and Training

An examination of human development across the lifespan with emphasis upon research, theoretical perspectives and common physical, cognitive, emotional and social developmental milestones.

Instructional Practices in Education and Training 1292

Grade Placement: 11-12 Credit: 1

Prerequisite: Principals of Education and Training

A field based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices.

Child Guidance 1226

Grade Placement: 10-12 Credit: 2

Prerequisites: Principles of Human Services or Child Development

If working with Children is your thing, Child Guidance is the course for you, This technical laboratory course addresses the knowledge and skills related to child growth and guidance and equipping you to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Upon completion of this course of study, student could have the necessary coursework and observation hours to earn a Child Development Associate (CDA) Credential™. You will also have the opportunity to earn your Adult, Infant and Child CPR certificates along with AED (automated external defibrillator) and Pediatric First Aid Certificates.

Lifetime Nutrition & Wellness 1247

Grade Placement: 9-12 Credit ½

Is fat really Evil? Do you find yourself wanting to eat healthier, but you just do not know where to begin? Have you ever looked at a food label and wondered what in the world all that information is, and what does it have to do with me? In Lifetime Nutrition and Wellness we will address these

topics and more. You will discover ways that you can make wise decisions that will allow you to be healthy now and in the future. You will be challenged to investigate your personal nutrition choices. You will also have multiple opportunities throughout the year to put into action the things we have learned with labs where you will prepare nutritious snacks (and some not so nutritious--- but they sure are good). So grab your apron and your imagination and join us in Lifetime Nutrition and Wellness.

Interpersonal Studies

1245

Grade Placement: 10-12 Credit: ½

So you want to move out? How much money will it take to rent that new apartment or buy that new set of wheels you have always dreamed of? Have you met that special someone and you are ready to get married? What does it take to plan that big event? What career field do you want to enter into when you finish school? Interpersonal Studies is the class for you if any of the above questions are ones you have asked yourself. In this course we will cover all of this and more. You might call it the “Survival Guide to Living on Your Own”

Principles of Food Preparation (Introduction to Culinary Arts)

1390

Grade Placement: 9-12 Credit: 1

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

Culinary Arts I and Culinary Arts II

1246

Grade Placement: 10-12 Credit 2

*Prerequisites: Lifetime Nutrition & Wellness **or** Principles of Hospitality & Tourism*

Ready to take your food preparation skills to another level? Culinary Arts (a laboratory-based course) begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification (2 levels), a Texas culinary specialist certification, or any other appropriate industry certification. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Online/Distance Learning CTE Courses

Other sources for online coursework include but are not limited to:

TxVSN: <https://www.txvsn.org/>

Apex Learning: <https://www.apexlearning.com/>

Fuel Education: <http://www.fueeducation.com/>

Texas Tech ISD: <https://www.depts.ttu.edu/ttuisd/>

UT High School: <https://highschool.utexas.edu/>

Frank Phillips Online Dual Credit Course Offerings

Medical Terminology HITT 1305

1392

Medical Terminology I 3-0-3 THECB CIP 51.0707.0000 *CTE Study of medical terms through word origin and structure. Introduction to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties.

Psychology PSYC 2301

1391

General Psychology 3-0-3 148 THECB CIP 42.0101.5125 *Core Curriculum (Social & Behavioral Sciences) General psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes. Prerequisite: Passage of or exemption from the Reading Section of a TSI approved test or completion of INRW 0322 with a grade of C or better

Gateway to Health Careers/Health Sciences

A collaborative partnership of: Coalition of Health Services, Inc., SimCentral, Northwest Texas Healthcare System, Amarillo ISD and Harrington Regional Medical Campus.

**see Mrs. Walker or Mrs. Sawyer for more information.*

2017-2018 Course Offerings

Medical Terminology

1388

Grade Placement: 9-12 Credit: 1

Not required for other Health Science courses, but recommended for anyone interested in pursuing a career in healthcare. It can be a great elective for students considering a health career field, but not enrolled in the health science program. It provides an overview of body systems and the terminology used to describe the body, medical procedures, and illnesses.

Principles of Health Science

1371

Grade Placement: 10-12 Credit: 1

Prerequisite for Health Science Theory and Practicum in Health Science.

Provides an overview of the therapeutic, diagnostic, health informatics, support services and biotechnology research and development systems of the health care industry. Student should recognize that quality health care depends on the ability to work well with others. Identify

employment opportunities, safety and technology requirements. Expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions.

Health Science Theory

1379

Grade Placement: 11-12 Credit: 1

Prerequisite: PHS and Biology

Provides the development of advanced knowledge and skilled related to a wide variety of health careers. Students will have hand-on experiences for continued knowledge and skill development. May contain some clinical observation and career preparation learning.

Practicum in Health Science (CMA, or EKG/EMT)

CMA- 1295 EMT- 1296

Grade Placement: 12 Credit: 2

Prerequisite: PHS, HST, Biology, (Anatomy recommended)

Double blocked course

The practicum is designed to give students practical application of previously studied knowledge and skills. Experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course requires additional expense to be paid by the student. EMT is a dual credit course in conjunction with Amarillo College.

ODYSSEYWARE (High School Credit Only)

**Please note this is not a complete list of all online course offerings. Talk to Mrs. Walker or Mrs. Sawyer for more information.*

ODYSSEYWARE CTE course categories

The number in parenthesis indicates the number of classes offered under that category.

Agriculture, Food & Natural Resources (8)

Architecture & Construction (2)

Arts, A/V Technology & Communications (2)

Business Management & Administration (8)

Education & Training (2)

Finance (2)

Government & Public Administration (2)

Health Science (8)

Hospitality & Tourism (8)

Human Services (7)

Information Technology (9)

Law, Public Safety, Corrections & Security (6)

Manufacturing (2)

Marketing (2)

Science, Technology, Engineering & Mathematics (STEM) (8)

Transportation, Distribution & Logistics (2)

The Following is not an exhaustive list of Odysseyware courses. They are categorized by endorsement area.

BUSINESS MANAGEMENT

Small Business Entrepreneurship

1275

Grade Placement: 10-12 Credit: ½

This semester long course is designed to provide the skills needed to effectively organize, develop, create, and manage your own business, while exposing you to the challenges, problems, and issues faced by entrepreneurs.

Business Law

1263

Grade Placement: 10-12 Credit: ½

This course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted.

Principles of Business & Finance

1280

Grade Placement: 9-12 Credit: ½

Note: Level 1 course in the Business Management

This course will introduce students to the fundamental structure of the American economy, the complexities of the global economy, and the principles, practices, and strategies associated with starting, managing, or simply working for a business.

Dollars & Sense

1267

Grade Placement: 10-12 Credit: ½

This course focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers.

PUBLIC SERVICE- HEALTH SCIENCE

Exploring Careers in Health Science

1274

Grade Placement: 9-12 Credit: ½

Note: Level 1 course in the Health Science

This course is an overview of health careers and overriding principles central to all health professions. Units include:

- science and technology in human health
- anatomy, physiology, and disease development
- privacy, ethics, and safety in health care
- communication and teamwork in the health care environment
- health careers; creating a diverse workforce of lifelong learners

Careers in Allied Health

1358

Grade Placement: 11-12 Credit: ½

Allied health is the term for the area of healthcare (and health care professions) that provide support and care services other than specific doctoring and nurse care. In this course, we will focus on select allied health careers, studying a variety of different levels, responsibilities, settings, education needs and amounts of patient contact. We will look at things like the degree or training needed for each job, the environment one would work in, how much money the position could make, and the facts of the actual working day.

PUBLIC SERVICE- HOSPITALITY AND TOURISM

Introduction to Hospitality and Tourism

1285

Grade Placement: 9-12 Credit: ½

Note: Level 1 course in the Hospitality and Tourism

This course establishes a foundation for the concept of tourism, travel, and hospitality as a system. Students will learn about the various segments of the travel and tourism industry and how they are interrelated and integral to international and domestic travel and tourism

Marketing & Sales for Tourism & Hospitality

1286

Grade Placement: 10-12 Credit: ½

This course is designed as an introduction to the study of tourism and hospitality marketing and sales. Students will be introduced to marketing theory and application of the basic principles of marketing as applied in hospitality and tourism.

Transportation & Tours for the Traveler

1287

Grade Placement: 10-12 Credit: ½

This course provides students the opportunity to learn about the package tour industry today, the travel industry professionals, and the package tour customers

Lodging Operation Management

1360

Grade Placement: 10-12 Credit: ½

This course introduces students to hotel management. Students taking this course briefly review the history of the lodging industry, and place contemporary hotels in a larger context of the hospitality industry.

PUBLIC SERVICE--HUMAN SERVICES/EDUCATION AND TRAINING

Counseling and Mental Health Services

1281

Grade Placement: 10-12 Credit: ½

The mental health field is diverse. There are many different options available to those interested in working in the counseling and mental health field. This course introduces and exposes the students to some topics, issues, and populations that are related to the counseling and mental health field.

Introduction to Human Growth and Development

1248

Grade Placement: 10-12 Credit: ½

This course focuses on human growth and development over the lifespan, as well as careers that help people deal with various physical, intellectual, and socioemotional issues. This course is important because it gives the student a background in human growth and development from before birth, through childhood, into adulthood, and through death and grief.

Early Childhood Development and Services

1251

Grade Placement: 11-12 Credit: ½

Early Childhood Development (ECD) is an introductory course offering a detailed overview of both developmental stages and areas of early childhood, and how early childhood education professionals provide optimal assistance during these important years of growth and learning

Introduction to Human Services

1351

Grade Placement: 9-12 Credit: ½

Note: Level 1 course in the Human Services

This course introduces high school students to the possibilities for careers in the human services professions. Through anecdotes, lessons, and a variety of assignments and projects, students will learn about the broad variety of jobs available in the human services

Psychology

1067

Grade Placement: 9-12 Credit: ½

Throughout the course students will examine influences on human actions and beliefs, factors influencing behavior and perception, and basic psychological theories. Students will develop and apply their understanding of psychology through lessons and projects that require interaction and observation of others.

INFORMATION TECHNOLOGY

Fundamentals of Digital Media

1270

Grade Placement: 10-12 Credit: ½

This course gives an overview of the different types of digital media and how they are used in the world today. Students examine the impact that digital media has on culture and lifestyle

Fundamentals of Programming and Software Development

1261

Grade Placement: 10-12 Credit: ½

This course will provide students with an understanding of basic software development concepts and practices, issues affecting the software industry, careers within the software industry, and the skills necessary to perform well in these occupations.

Introduction to Information Technology

1359

Grade Placement: 9-12 Credit: ½

Note: Level 1 course in Information Technology

In this course, we introduce students to the knowledge base and technical skills that will help them to successfully compete for jobs within the Information Technology Career Cluster

New Applications – Web Development in the 21st Century

1242

Grade Placement: 10-12 Credit: ½

New Applications is a survey course that travels from the first software programs developed to facilitate communication on the Internet to the new generation of mobile and native apps that access the Internet without a reliance on a web browser.

Fundamentals of Computer Systems

1293

Grade Placement: 10-12 Credit: ½

The Computer Fundamentals course will provide students with an understanding of computers and how they operate as well as a basic understanding of how to manage and maintain computers and computer systems. These skills will provide students with the ability to configure computers and solve computer problems.

Introduction to Network Systems

1361

Grade Placement: 10-12 Credit: ½

This course introduces students to the fundamental technology and concepts that make networking systems possible. The course also explores a good deal of technology, specifically the software and hardware supporting LANs, WANs, and Wi-Fi networks. Particularly important are the protocols in the TCP/IP stack that are used to communicate across a network, but the students are also introduced to the hardware, including hubs, switches, bridges, routers, and transmission media.

Media Studies

1273

Grade Placement: 10-12 Credit: ½

Students will examine media such as magazines, the Internet, video games, and movies. They'll learn the kinds of strategies that advertisers use to persuade people to buy products. They'll also explore how news broadcasters choose which stories to air.

PUBLIC SERVICE- HUMAN SERVICE- LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Forensics: Using Science to Solve a Mystery

1290

Grade Placement:10-12 Credit: ½

This course is the overview of modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law.

Corrections: Policies and Procedures

1366

Grade Placement:10-12 Credit: ½

In this course the duties responsibilities, conduct, training, and special certification possibilities for corrections staff are explored. Many aspects of procedures in corrections are reviewed, giving students an in-depth look at what a variety of careers in this growing field encompass and require.

Introduction to Law, Public Safety, Corrections, and Security

1353

Grade Placement:9-12 Credit: ½

Note: Level 1 course in Law, Public Safety, Corrections, and Security

In this course, you learned about the many careers that exist within the fields of law, law enforcement, public safety, corrections, and security. Besides learning about the training and educational requirements for these careers, you learned about the history of these fields and how they developed to their current state.

Law Enforcement Field Services

1368

Grade Placement:10-12 Credit: ½

The Introduction to Law Enforcement Services course will introduce students to the field of law enforcement and the local, county, state and federal laws that law enforcement personnel are sworn to uphold. Students will learn about the evolution of the role of law enforcement in the United States and the interplay between individual freedoms and the government's need to protect the country.

Fire and Emergency Services

Grade Placement: 10-12 Credit: 1/2

Emergency and fire-management services are essential infrastructure components of a community. They provide a resource for dealing with numerous types of emergencies including fires, motor vehicle, and industrial accidents, and medical emergencies.

This course provides students with the basic structure of these organizations as well as the rules and guidelines that govern pre-employment education requirements. Students will explore equipment, mitigation strategies and fire management. Students get an overview of large-scale emergency incidents that overwhelm local agencies. Students will have a better understanding of a career in the fire and emergency service field.

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM)

Engineering and Design

1355

Grade Placement: 11-12 Credit: ½

By building real-world problem-solving and critical thinking skills, students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product.

Engineering and Product Development

1369

Grade Placement: 10-12 Credit: ½

The purpose of this course is to provide an overview of the concepts of product engineering and development. Students will analyze the life cycle of a product to prepare a product for distribution and for target markets.

Introduction to Science, Technology, Engineering, and Mathematics (STEM)

1357

Grade Placement: 9-12 Credit: ½

Note: Level 1 course in STEM

This semester-length high school elective introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM.

Principles of Technology & Engineering

1364

Grade Placement: 9-12 Credit: ½

The Principles of Technology and Engineering course will introduce students to the field of engineering and the types of technology that can result from the engineering design process. Student will also gain an understanding of the career options available in this field, and the skills, education, and experience needed to obtain these careers.

Scientific Research

1365

Grade Placement: 10-12 Credit: ½

This course is designed to help students develop a firm understanding of scientific exploration and a clear working knowledge of the scientific method as an integral tool for student-centered scientific research.

Science and Mathematics in the Real World

1362

Grade Placement: 10-12 Credit: ½

In this course, students will focus on how to apply science and mathematics concepts to the development of plans, processes, and projects that address real world problems, including sustainability and “green” technologies.

STEM and Problem Solving

1363

Grade Placement: 10-12 Credit: ½

This course will outline how to apply the concepts and principles of scientific inquiry, encouraging the use of problem-solving and critical-thinking skills to produce viable solutions to problems. Students will learn the scientific method, how to use analytical tools and techniques, how to construct tests and evaluate data, and how to review and understand statistical information.

Digital Arts

1272

Grade Placement: 10-12 Credit: ½

Digital Arts is a semester-long elective designed to provide computer science students with an introduction to visualization-graphics programming on computers. To equip students for today's digitally driven lifestyle, this course focuses on using a digital camera and the practical application of digital imaging and editing programs. Additionally, students will work with audio-editing programs, and will also examine 3D technology and cinematography.

ARTS AND HUMANITIES

Art History

1072

Grade Placement: 9-12 Credit: ½ or 1

Art History is designed to enable students to develop knowledge of the history and theory of art and the relationship between artist, artwork, and society. Students will research and critique periods, styles, and works of art from early civilizations through modern and contemporary art.

Civil War History

1071

Grade Placement: 9-12 Credit: ½

You are about to embark on the fascinating history of the Civil War. It is a story of human choices that linked the past to the present and influenced the future. It is a drama of how one nation changed through times of conflict and cooperation. It is a tale of two children (the North and South) living under the same roof (The United States) and how they disagreed over the issues of states' rights and slavery.

Vietnam Era History

1075

Grade Placement: 9-12 Credit: ½

In this course, you'll look at the history of the Vietnam War. The roots of the conflict stretch further back than you might know. You'll examine why the United States got involved in the conflict and why the United States failed to achieve its objectives.

World History

1066

Grade Placement: 9-12 Credit: ½

World History explores the people, events, and ideas that have shaped history from the beginnings of human society to the present day.

Music Appreciation

1111

Grade Placement: 9-12 Credit: ½

The goal of this semester-long course is to provide instruction in basic musical elements, trace the development and growth of classical music, and give students a strong foundation for a greater appreciation of music. Students will examine music in the world around them and discover how they experience music. They'll be introduced to the basic elements and sounds of music and instruments. Students will learn the names and backgrounds of several famous musical composers. Students will also learn how and where classical music began, how it

developed over the centuries, and the ways in which music and culture affect each other. Lastly, students will examine the ways modern music has been influenced by classical music.

ELECTIVES

Test Prep

1342

Grade Placement: 11-12 Credit: ½

Note: Local Credit

Test Prep is a semester course for a Junior or Senior wanting to work on their strategies to score higher on the ACT. The ACT is key for students to earn scholarships that they want, and to gain entrance into the colleges they are interested in. Several different programs are used to provide access for strategies and practice problems.

Senior Seminar

Grade Placement: 12 Credit: 1

Note: Local Credit

This course is an introduction to college readiness and life skills. Through this class students will be exposed to college terms and definitions, learn how to apply for colleges, scholarships, and the FAFSA. Students will have access to their records and school information so many of the checklist type items can be completed during class time to protect valuable after school and extracurricular time. Student's will also learn their strengths and be able to use those in essays and on their resumes.

THE “PREP FOR COLLEGE” CALENDAR

FRESHMAN YEAR

Ninth grade counts! Make good grades! Colleges will evaluate your freshman grades. Begin volunteering in your community. Community service becomes very important when applying for college and scholarships.

SOPHOMORE YEAR

Are you studying hard? Good study skills will take you through high school and four years of college. Learn good study habits now!! Spring of your sophomore year is a great time to pick up early information about colleges that interest you. Speak with a college representative at a college fair or during their high school visit. Continue your community service by volunteering wherever possible. Get ideas and help from your counselor. Sophomores will take the PLAN test in mid-October.

JUNIOR YEAR

September

- Begin to thinking about the PSAT/NMSQT (National Merit Scholarship Qualifying Test). Test date is in October..
- Keep volunteering in your community.

October

- Take the PSAT/NMSQT.

November

- Keep your grades up (a goal for all year long!)

December

- Receive results of PSAT/NMSQT. Read material sent with your scores and consult your guidance counselor to determine how you might improve. This can be excellent preparation for your SAT.

January

- Begin to think about which colleges you'd like to explore.
- Sign up for the April or June SAT and/or ACT.

February

- Prepare a list of colleges to explore.
- Prepare for your SAT or ACT.

March

- Write to colleges on your list and evaluate the literature sent to you.
- Take the in-school ACT and sign up for the June SAT or the ACT.

April

- When selecting your senior courses be sure to continue to challenge yourself.
- Continue to evaluate colleges. Begin eliminating some choices from the original list.

May

- Plan visits to colleges during summer.
- Consider enrolling in an academic course at a local community college, pursuing a summer school program, or working as a volunteer during the summer.

June

- Visit colleges during summer.
- It's time to take the SAT or ACT—double check date, time and place.

July & August

- Visit colleges. Take tours and have interviews.
- Continue to refine your list.

SENIOR YEAR

September

- Meet with your guidance counselor to be sure that your list includes colleges appropriate to your academic and personal record.
- Review your personal records with your guidance counselor to ensure their accuracy.
- Write or call colleges to request applications.
- Plan visits to colleges (if you didn't get to them during the summer or if you want to return to a campus for a second time). Always call the College Admissions Office to set up an appointment for your visit.

November

- Be sure that first quarter grades are good.
- Continue completing applications to colleges.

December

- Send your college application(s) if you haven't already done so.
- Consult your guidance counselor again to review your final list of colleges
- If you applied for Early Decision, you should have your answer by now.
- Check to see if you need to apply for a dorm room.

January

- Keep working on your grades. Courses continue to count throughout the senior year.
- Check with the college of your choice to see if you need to take any of the SAT II subject tests.

February

- Remember to monitor your applications to be sure that all materials are sent and received on time.

March & April

- Enjoy your senior year in high school but DON'T CATCH SENIORITIS!

Before May 1

- Decide on the one college which you will attend. Send in your tuition deposit. BE PROUD—you've completed a difficult task.
- Notify the other colleges that accepted you that you have selected another college.

May

- Take Advanced Placement exams if you have been in AP classes.
- Request that your counselor send your final transcript to the college you will attend.

June

- Congratulations! You've made it through high school! Enjoy your graduation and look forward to college.

July

- Look for information from the college about housing, roommate(s), orientation, course selection, etc.

August

- Pack for college ...and have a great year!