

Olton High School

Curriculum Catalog 2011-2012



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**Olton High School
Curriculum Catalog**



Olton ISD does not discriminate on the basis of race, religion, color, national origin, sex, or handicap in providing educational services. The Superintendent has been designated to coordinate compliance with the nondiscrimination requirements of Title IX.

This booklet has been designed as a concise, yet comprehensive introduction to the opportunities available at Olton High School. Take some time to consider the courses that will best suit your individual needs. Pay particular attention to the requirements for the different graduation plans. You must meet these requirements in addition to successfully completing the Exit Level Texas Assessment of Knowledge and Skills (TAKS).

As you choose your courses, please keep in mind your career plans as well as the prerequisites required to enroll in a class. Teachers and the counselor will recommend courses, but the final decision rests with the student and parent. Classes will be formed and schedules developed by the selections students make.

Retain this booklet for future use and reference. It will be a valuable tool in planning your secondary education. Check with colleges you plan to attend to find out current requirements for admission so that you can plan your high school courses to meet these college requirements.

GENERAL INFORMATION

BEGINNING WITH THE CLASS OF 2009 THE FOLLOWING CRITERIA LISTED BELOW WILL BE USED TO DETERMINE CLASS RANK, TOP TEN PERCENT, AND THE HIGHEST RANKING STUDENT.

Class Ranking

Graduates shall be ranked in the following order:

1. Valedictorian (highest average)
2. Salutatorian (next highest average)
- Students must meet course requirements for the Recommended or Distinguished Program to be ranked in the top ten percent.

Any student of the graduating class who has a 90 average for the academic curriculum courses will be designated as an honor student.

To be eligible for valedictorian or salutatorian, a student must have completed two consecutive years (4 semesters) at Olton High School and must have followed either the Recommended Program or the Distinguished Achievement Program.

Grade Point Average (GPA) Criteria



The GPA is a measure of the students' total academic performance beginning in the ninth grade. The grade point averages are calculated by adding the grade points earned for each course and dividing by the total number of courses. Ranking will be updated at the end of each semester. An Early Computation will be done for seniors upon completion of the fifth six weeks of the Spring Semester. * Certain classes from the 8th grade will also count.

All grades count toward GPA and class rank (including college classes taken through Olton High School) except: physical education (athletics), yearbook, and student aide.

A weighted grade point system is used for determining class rank. The scale below will be used:

Grades	Regular Grade Points	Weighted Points	Distance Learning & College Credit Courses
100	5.0	6.0	7.0
99	4.9	5.9	6.9
98	4.8	5.8	6.8
97	4.7	5.7	6.7
96	4.6	5.6	6.6
95	4.5	5.5	6.5
94	4.4	5.4	6.4
93	4.3	5.3	6.3
92	4.2	5.2	6.2
91	4.1	5.1	6.1
90	4.0	5.0	6.0
89	3.9	4.9	5.9
88	3.8	4.8	5.8
87	3.7	4.7	5.7
86	3.6	4.6	5.6
85	3.5	4.5	5.5
84	3.4	4.4	5.4
83	3.3	4.3	5.3
82	3.2	4.2	5.2
81	3.1	4.1	5.1
80	3.0	4.0	5.0
79	2.8	3.8	4.8
78	2.6	3.6	4.6
77	2.4	3.4	4.4
76	2.2	3.2	4.2
75	2.0	3.0	4.0
74	1.8	2.8	3.8
73	1.6	2.6	3.6
72	1.4	2.4	3.4
71	1.2	2.2	3.2
70	1.0	2.0	3.0
69 & Below	0.0	0.0	0.0

Grade Scale: 90-100 A; 80-89 B; 70-79 C; 0-69 F

College Plans



Students who plan to attend college should follow either the Recommended Program or the Distinguished Achievement Program. Various tests are required for college entrance as well as scholarships:

- Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT) may be taken during the junior year.
- Scholastic Assessment Test (SAT) and the American College Test (ACT) can be taken at any time during the student's high school career. Many colleges recommend that students take the SAT and/or the ACT in the spring semester of the junior year.
- Texas Higher Education Assessment (THEA) or Accuplacer is taken at the end of the senior year or as needed to meet college entrance requirements.

Credit for Courses

In order to earn credit for a class, a student must be present for at least 90 percent of the days in which the course is offered and earn a grade of 70 or above.

Credits Required for Graduation

Freshman Class of 2007-2008 and thereafter

Distinguished Achievement Program (26 Credits)

English Language Arts <i>English I, II, III, & IV</i>	4.0 Credits
Mathematics <i>Algebra I, Algebra II, Geometry, and a fourth math course for which Algebra II is a prerequisite.</i>	4.0 Credits
Science <i>Biology, Chemistry, Physics, plus an additional lab-based course</i>	4.0 Credits
Social Studies <i>World History, World Geography, U.S. History, Government</i>	3.5 Credits
Economics	0.5 Credit
Physical Education	1.0 Credits
Languages other than English	3.0 Credits
Health Education	0.5 Credit
Technology Applications	1.0 Credit
Fine Arts	1.0 Credit
Speech	0.5 Credit
Electives	3.0 Credits
(Students must also complete four advanced measures as designated in the Distinguished Academic Program graduation plan.)	



**Recommended Plan
(26 Credits)**

English Language Arts	4.0 Credits
<i>English I, II, III, & IV</i>	
Mathematics	4.0 Credits
<i>Algebra I, Algebra II, Geometry, and a fourth math course</i>	
Science	4.0 Credits
<i>Biology, Chemistry, Physics, plus an additional lab-based course*</i>	
<i>*Integrated Physics and Chemistry will satisfy one of the lab-science requirements.</i>	
Social Studies	3.5 Credits
<i>World History, World Geography, U.S. History, Government</i>	
Economics	0.5 Credit
Physical Education	1.0 Credits
Languages other than English	2.0 Credits
Health Education	0.5 Credit
Technology Applications	1.0 Credit
Fine Arts	1.0 Credit
Speech	0.5 Credit
Electives	4.0 Credits

**Minimum Program*
(26 Credits)**

(Requires approval by student's parents and a high school administrator.)

English Language Arts	4.0 Credits
<i>English I, II, III, & IV</i>	
Mathematics	3.0 Credits
<i>Algebra I, Geometry, and a third math course</i>	
Science	2.0 Credits
<i>IPC, Biology</i>	
Social Studies	2.5 Credits
<i>World History or World Geography, U.S. History, Government</i>	
Economics	0.5 Credit
Academic Elective	1.0 Credit
<i>World History, World Geography, or a science course</i>	
Physical Education	1.5 Credits
Health Education	0.5 Credit
Technology Applications	1.0 Credit
Fine Arts (for students who enter Grade 9 in 2010-2011 or later)	1.0 Credit
Speech	0.5 Credit
Electives	8.5 Credits



Grade Level Status for UIL Eligibility

High school students shall be classified for UIL eligibility on the basis of credits earned as indicated below. After ninth grade, students are classified according to the number of credits earned. This classification has no application to graduation.

<u>Credits Earned</u>	<u>Classification</u>
5	Grade 10 (Sophomore)
10	Grade 11 (Junior)
15	Grade 12 (Senior)

National Honor Society

Selection to NHS is a privilege, not a right. Students do not apply for membership in the National Honor Society; instead, they provide information to be used by the Faculty Council to support their candidacy for membership. Membership is granted only to those students selected by the Faculty Council. The Faculty Council consists of five teachers selected by the principal. This is not an election, nor is membership automatically conveyed simply because a student has achieved a specified level of academic performance.

The Faculty Council selects students who demonstrate outstanding performance in all five criteria of scholarship, leadership, service, citizenship, and character. The Faculty Council identifies students with a cumulative average of 90%. Students identified with a cumulative average of 90% are invited to make application for membership to the NHS. Applications not received prior to the deadline will not be considered for membership. Each of the applicant's teachers is given a student evaluation form used to support the applicant's strength in the areas of scholarship, leadership, service, citizenship, and character.

After the faculty evaluation forms are complete, the Faculty Council meets to review all information gathered (grades, student application, attendance, discipline record, and faculty evaluation forms) on each candidate. After discussing each candidate, the Faculty Council votes on whether or not the student will be inducted into the NHS. The vote must be a majority either for or against induction. Students and parents will be notified in writing if the student has been chosen for induction into the NHS.

Progress Reports

Progress reports will be issued at the three week point of each six weeks grading period. Progress reports will be mailed home if a student's average is below 75 in any class. All other progress reports will be issued to the student.

Report Cards

Report cards are mailed the week after the end of each six weeks grading period.



Texas Assessment of Knowledge and Skills (TAKS)

Every student who attends a Texas public school will be administered the Texas Assessment of Knowledge and Skills (TAKS). An exit level examination is a required part of this test and each student must master all parts of this examination in order to be eligible to graduate from high school. A high school diploma will be issued upon successful mastery of the section(s) of the test.

Tech –Prep Courses

Tech-Prep courses are courses that are taken at the high school and when completed in the junior or senior year, the student may be able to articulate this course for college credit in a Texas program. The enrollment requirements for Dual Credit Courses do not apply to Tech Prep Courses. To receive the college credit from South Plains College, the teacher must have the appropriate training and the student must maintain an average of “80” or above in the course. Olton ISD has an articulation agreement with South Plains College for the courses listed below. This agreement makes it possible for students to earn up to 12 hours of college credit from SPC while taking high school courses.

High School Courses	Credit	SPC Course
Business Information Management I	1.0	Intro to Computers
Accounting	1.0	Intro to Accounting I
Child Development	1.0	Child Guidance
Law Enforcement I	1.0	Intro to Criminal Justice

Dual Credit Courses

The Early Admissions and Dual Credit Program at South Plains College allows selected students to enroll in **college-level courses** and earn college credit while a junior or senior in high school. In certain cases, these college credit courses can be applied toward the student's high school credit requirements for graduation. Enrollment in dual credit courses other than those offered and approved by Olton ISD must be approved by the principal and superintendent.

Here are some key concepts which define the program:

EARLY ADMISSIONS refers to the process which allows high school juniors and seniors the opportunity to enroll in college-level courses at South Plains College and receive college credit upon successful completion of the course.

DUAL CREDIT refers to the granting of high school graduation credit for college courses taken at South Plains College. The policies of the local independent school district govern the granting of such credit.

CONCURRENT ENROLLMENT refers to a cooperative agreement between South Plains College and the local independent school district. Students participating in concurrent enrollment classes are enrolled in a course which satisfies both high school



and college-level requirements. These courses are generally offered at the high school campus.

Qualifying for Early Admissions

In order to participate in these programs, high school students must meet certain guidelines. Eligible students must:

- Have completed at least 14 high school credits.
- Be a junior or senior.
- Pass the portion of the TAKS required for the course requested.
- Have an overall 85 average or above in completed high school courses.
- Have permission of parents and the high school principal.
- Meet college entrance requirements.
- Submit an Application for Admission and Application for Early Admission with approval signatures from the high school principal and student's parents.
- Submit an official high school transcript.
- Submit an Olton ISD Dual Credit Agreement form.

Enrollment Requirements

Once a student has been accepted for early admission for dual credit or college credit, he or she is subject to additional requirements in order to assure the student success in the college courses and in order to maintain the integrity of the program. These other requirements include the following.

- Students accepted for early admissions will be admitted under the college's conditional entrance policy. Admission status will change to "high school graduate" upon graduation from high school.
- Assessment will be required prior to actual enrollment in a course. Assessment is Pass the portion of the TAKS required for the course requested.
- Achieved through ACT/ SAT test scores when available or through college-administered assessment tests. Required levels of assessment have been identified for all courses and must be met before a student will be allowed to enroll in the course.
- All college guidelines regarding curriculum, evaluation of the course, class requirements and attendance will be followed.
- Olton ISD currently has a grant that pays for tuition and books for dual credit students. If the grant becomes unavailable, the regular college tuition and applicable fees will be charged to each student.



Awarding of Credit

Upon completion of the course, students will earn college credit which will be immediately transcribed. Grades below 70 are considered failing grades at high school due to Texas Education Agency policy.

Failure of a dual credit course may result in the student being placed on Academic Probation or Academic Suspension by South Plains College.

UIL Eligibility

Students who take dual credit courses are still eligible for UIL competition provided:

- The courses taken at the college are not directly related to the student's UIL competition. For example, a student taking college journalism courses cannot participate in ready writing or UIL journalism competition. A student taking college music theory cannot participate in UIL band competitions.
- Early admissions students who participate in UIL events meet all requirements for full-time high school attendance. Enrollment in collegiate courses cannot substitute for high school enrollment in meeting this requirement.
- The student remains enrolled in the college course to completion. Students who drop a college course are subject to forfeiting UIL eligibility.

UIL participation should be closely monitored by the high school counselor/principal.

How to Enroll

1. Students wishing to participate should talk with their parents and high school counselor before enrolling. Then, the student must obtain an Early Admissions Permission Form from the high school counselor and have the form signed by a parent and their high school principal. Students return the Early Admissions form, a completed TSI Status form, a high school transcript, and a completed South Plains Enrollment Application to South Plains College or to the High School Counselor before August 1st. (All forms are available at the OHS Counselor's office.)
2. The following testing scores meet the requirements for enrollment:

Accuplacer: Reading 78, Math 75 and Writing 80 + 5 on the essay or 6 on the essay regardless of multiple choice score

All testing requirements for enrollment must be completed on or before August 10, 2010.

3. Students will be enrolled in the classes through Campus Connect at the SPC website. This will be done prior to the first week of classes at OHS.



4. Students may enroll in no more than 4 dual credit courses during any one semester.
5. Students need to realize that the same procedure will need to be followed (with the exception of the testing) for the spring semester. Currently, students taking College Pre-Calculus do not have to register in the fall, but will register for the spring semester.

SPC Dual Credit Courses Available (subject to change)

Online Courses:

College English (Dual Credit for High School English 3 or 4 & College English 1301, 1302)

College English (Dual Credit for High School English 4 & College English 2331, 2332)

US History (Dual Credit for High School U.S. History & College History 1301, 1302)

Government (Dual Credit for U. S. Government & College Government 2301)

Psychology (Dual Credit for High School Psychology & College Psychology 2301)

Sociology (Dual Credit for High School Sociology & College Sociology 1301)

Economics (Dual Credit for High School Economics & College Economics 2301)

AG Food Technology (Dual Credit for High School Food Technology & College AGRI 1329)

Agribusiness (Dual Credit for High School Agribusiness & Management & College AGRI 2371)

Ag Personal Skills (Dual Credit for High School Ag Personal Skills & College AGRI 1231)

On Site Courses at Olton High School:

College Algebra (Dual Credit for High School Independent Study in Math 1 & College Math 1314)

College Trigonometry (Dual Credit for High School Independent Study in Math 2 & Math 1316)

College Pre-calculus (Dual Credit for High School Pre-calculus and College Math 2412)

Olton High School Course Syllabus

Agricultural Science

Principles of Agriculture Food and Natural Resources (Ag 101.102)

1.0

Prerequisite: None

All Grades

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations.

Agricultural Mechanics and Metal Technologies

1.0

Prerequisite: Principles of Ag

10th, 11th, 12th

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. 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.

Professional Standards in Agribusiness

1.0

Prerequisite: Principles of Ag

10th, 11th, & 12th

To be prepared for careers in agribusiness systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to leadership development and the workplace, and develop knowledge and skills regarding agricultural career opportunities, entry requirements, and industry expectations. This course primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness.

Livestock Production

1.0

Prerequisite: Principles of Ag

10th, 11th, 12th

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 the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

Range Management

1.0

Prerequisite: Principles of Ag

10th, 11th, 12th

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.

Agribusiness Finance [Dual Credit Course] (First or Second Semester)

.5

(Online Course)

Prerequisites: TSI exemption or passing TSI scores

11-12 Grades

This course is an examination of the acquisition and use of capital in agriculture. Topics include fundamental record keeping principles, financial statements, cash flow and other instruments used in financial analysis.

The Agricultural Industry [Dual Credit Course] (First or Second Semester)

.5

(Online Course)

Prerequisites: TSI exemption or passing TSI scores

11-12 Grades

This course is designed to assist the student to make adequate personal and social adjustments, recognize and develop aptitudes, interests, and skills for success, select attainable goals, and become acquainted with college policies, regulations, and curricula. An overview of World Agriculture, nature of the industry, resource conservation, and the American agricultural system; production, distribution, and marketing are included.



**Principles of Food Sciences [Dual Credit Course] (First or Second Semester) .5
(Online Course)**

Prerequisites: TSI exemption or passing TSI scores

11-12 Grades

Biological and scientific aspects of modern industrial food supply systems are presented in this course. Food classification, modern processing, and quality control are included.

Art

Art I (Full Year)

1.0

Prerequisite: None

All Grades

A survey of Art for those needing an elective that have no art experience. Art I is a foundation course that introduces students to a wide range of art techniques and materials. Students learn design elements and principles and use imagination, observation, and personal experience as inspiration for artworks. Students will be required to maintain a sketchbook and complete a research project. Students will use paints, pencils, markers, pastels, ceramics, printmaking and electronic media to create art. This is a required course for all upper level art classes.

Art II-General (Full year)

1.0

Prerequisite: Art I or equivalent

10-12 Grades

This is an upper level art class. First semester is all drawing, and the second semester is all ceramics. You must enroll for both of the classes. Drawing is an exploration of drawing materials and techniques that focuses on observation of man-made and natural subjects. Students will use pencil, charcoal, pastels, printmaking, and electronic media as materials. Ceramics explores the use of clay to create functional and non-functional art. The course concentrates on the use of the elements and principles of design such as texture, shape, and balance to create ceramic artworks. A sketchbook and research are required.

Art III-Special problems (Full year)

1.0

Prerequisite: Art II or equivalent

10-12 Grades

This is an upper level art class. The first semester is all sculpture, and the second semester is all electronic media. You must enroll for both classes. Sculpture explores three-dimensional constructions using a variety of materials. These may be, but are not limited to wire, metal, wood, found materials, and clay, or any combination of these materials. Electronic media uses the computer and graphics programs to create artworks. It will require learning the vocabulary and techniques associated with computer-generated art. Students will also use scanners, use digital cameras, and make CD's of their artworks in a portfolio format. A sketchbook and research are required.



Business

Business Information Management I

1.0

Prerequisite: Keyboarding proficiency

All Levels

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

Business Information Management II

1.0

Prerequisite: Keyboarding proficiency

All Levels

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

Band

High School Band

1.0

Prerequisites: Previous band experience

All Levels

High school band is open to all high school students and is a progression from beginning and junior high bands. Knowledge about music, instruments, and sound production learned in these earlier grades is an essential prerequisite for this class. In this course students will learn marching drills during the fall semester and participate in exhibitions and contests during marching season. Students will have the opportunity to participate in All-Region and All-State competitions through solos, ensembles, and other competitions during the year. The band students learn to sight-read music and they participate in concerts and sight-reading contests.

Applied Music

1.0

Prerequisites: Enrolled in High School Band

All Levels

This course is designed to help students concentrate on the music and methods for their particular instruments. Students are given the opportunity to learn solos, ensembles, All-Region tryout music, and All-State tryout music. They are also given the opportunity to explore the literature for their instruments.



English

English I

Prerequisites: None

1.0

Freshman Level

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

English II

Prerequisites: English I

1.0

Sophomore Level

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

English III

Prerequisites: English I & English II

1.0

Junior Level

Students enrolled in English III continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts. In English III, students practice all forms of writing. An emphasis is placed on business forms of writing such as the report, the business memo, the narrative of a procedure, the summary or abstract, and the resume. English III students read extensively in multiple genres from American literature and other world literature. Periods from American literature may include the pre-colonial period, colonial and revolutionary periods, romanticism and idealism, realism and naturalism, early 20th



century, and late 20th century. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work.

English IV

1.0

Prerequisite: English I, II, & III

Senior Level

Students enrolled in English IV continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts. In English 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. Periods from British literature may include the old English period, medieval period, English renaissance, 17th century, 18th century, romantic period, Victorian period, and modern and post-modern period. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work.

**College English [Dual Credit]
(Online Course)**

1.0

Prerequisites: Eng. I, II, and TSI exemption or passing TSI score

11-12 Grades

Students taking these two courses (first and second semester) must have either met the TSI Testing requirement or be TSI exempt. These courses can take the place of English III or IV. *This course is weighted; see scale on page 2.*

Family and Consumer Sciences

Principles of Human Services

1.0

All Levels

This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

Lifetime Nutrition and Wellness

1.0

All Levels

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.





Interpersonal Studies

1.0
All Levels

This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

Child Development (First Semester)

.5
All Levels

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 and investigate careers related to the care and education of children.



Dollars and Sense (First Semester)

.5
All Levels

Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations.

Interior Design (Second Semester)

.5
All Levels

Interior Design is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Individuals use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and compete in industry.

Fashion Design

1.0
All Levels

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of fashion and the textile and apparel industries.

Ready Set Teach I & II

(LOCAL) 1.0
11th & 12th

This course is designed to give high school students insight into the teaching profession and motivate students to enter the career of education. It involves the study of the various types of children's growth and introduces students to the career opportunities available in the future.



Career Prep I & II

Prerequisite: None

2.0

11-12 Grades

Students are allowed two years to be a part of the working world as a student learner. They must meet acceptance criteria of being a junior or senior, maintaining passing grades in all subjects, meeting credit requirements, and having a good citizenship record before being allowed to work up to two hours or class periods of the school day at their employment training station. The entry-level skills taught in the classroom will be transferable to any area of employment. Students may be involved in health, office, agriculture, marketing, business or career and technology education.

Fine Arts

Theater Arts

Prerequisites: None

1.0

All Levels

Theater Arts offers students an introductory overview of the world of theater. The main focus of study for this course is acting and the foundation of play production. Other units of study are theatre history, play research and analysis, audience etiquette, theater terminology, lighting and set design. Students should consider that this is a performance-based class, and they will be required to give memorized pieces before the class.

Health Sciences

Principles of Health Science

Prerequisites:

1.0

11-12 Grades

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.

Industrial Arts

Principles of Manufacturing (WW1)

Prerequisite: None

1.0

All Grades

In Principles of Manufacturing, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of principles of manufacturing, the design of technology, the efficient production of technology, and the assessment of the effects of manufacturing production technology prepare students for success in the modern world. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. In addition to general academic and technical knowledge and skills, students gain an understanding of career opportunities available in manufacturing and what employers require to gain and maintain employment in these careers.



Construction Management (WW2)**1.0****Prerequisite: WW1****10-12 Grades**

In Construction Management, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management includes the knowledge of the design techniques and tools related to the management of architectural and engineering projects.

Construction Technology (WW3)**1.0****Prerequisites: WW1, WW2****11-12 Grades**

In Construction Technology, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

Problems and Solutions (WW4)**1.0****Prerequisites: WW1, WW2, WW3****Senior Level****Engineering Design and Presentation****1.0****Prerequisites: Geometry****10-12 Grades**

Students enrolled in this course will demonstrate knowledge and skills of the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

Architectural Design**1.0****Prerequisite: Engineering Design and Presentation****11-12 Grades**

In Architectural Design, students gain 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. Architectural design includes the 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.

Building Maintenance Technology**1.0****Prerequisite:****All Grades**

In Building Maintenance Technology, students gain knowledge and skills specific to those needed to enter the field of building maintenance as a building maintenance technician or supervisor or secure a foundation for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in



plumbing, electrical, and Heating, Ventilation, and Air Conditioning (HVAC) systems. Additionally, students learn methods for repair and installation of drywall, roof, and insulation systems.

Mathematics

Math Models and Applications

1.0

Prerequisites: None

9-11 Grades

Students taking this course will use algebra and geometry skills to model real-life situations. Students will study patterns and analyze data. Students learn to create spreadsheets and charts. Students work with payroll, taxes, investments, and banking. Students learn about probability. They will study growth and decay models in areas of population, biology, and ecology. They will study symmetry and perspective drawings in art and architecture. To receive the math credit needed for graduation, this course must be taken prior to taking Algebra II.

Algebra I

1.0

Prerequisites: None

All Levels

This course is the foundation for all upper level mathematics. The student will learn to work with positive and negative numbers, rational and irrational numbers, fractions and integers, squares and square roots. Variables will be used to represent unknown quantities and the student will learn to write and solve equations that model real life situations. The student will use data to construct tables and draw graphs of linear and quadratic models. The student will also interpret slope and intercepts and transformations of graphs. The students will investigate laws of exponents and patterns of factoring. The student will learn to use the TI graphing calculator. A graphing calculator is recommended for this class.

Geometry

1.0

Prerequisites: Algebra I

All Levels

Geometry is the study of the earth's measurements. The students will study lines, segments, rays, and angles. They will study convex and concave polygons. They will study congruencies and similarities and understand their affect on architecture and art. The students will investigate circles. The students will classify angles, triangles, and quadrilaterals. They will learn properties of right triangles. The students will study and derive formulas for finding areas and volumes of basic figures. Students will need rulers, protractors, and a compass for constructions and measuring.

Algebra II

1.0

Prerequisites: Algebra I, Geometry

10-12 Grades

This course combines Algebra I and Geometry skills. The students will expand his knowledge of numbers to include imaginary and complex numbers. Students will study matrices and systems of equations and inequalities. The student will sketch and analyze transformations of graphs of linear, quadratic, cubic, exponential, and logarithmic equations.



Pre-Calculus**1.0****Prerequisites: Alg. I, Geom., Alg. II****11-12 Grades**

This course builds on algebra and geometry skills in preparing students for calculus. Students will use algebraic and graphical methods to solve polynomial, rational, radical, exponential, logarithmic, trigonometric, and piecewise-defined functions. They will study maximums, minimums, and end-behavior of graphs. Students will learn to use parametric and polar equations; and work with motion problems and conic sections. Students will analyze and solve vector and magnitude problems. A graphing calculator is required for this course.

AP Calculus**1.0****Prerequisites: Pre-calculus****11-12 Grades**

This is a beginning calculus class, emphasizing basic calculus concepts such as limits, differentiation and integration methods and techniques, the Fundamental Theorem of Calculus and the area and volume under curves. The main focus is to prepare the students to be successful on the AP Calculus exam. There will be extensive prep time required of the student outside of class. Taking the AP Calculus exam will be required. *This course is weighted.*

College Dual Credit Algebra and Plane Trigonometry**2.0****Prerequisites: Alg. II and TSI exemption or passing TSI scores.****11-12 Grades**

Each course is a semester course offered through South Plains College. Student will complete college level algebra and plane trigonometry concepts required by South Plains College. College level textbooks will be used. An enrollment fee along with book charges is the responsibility of the student and is paid to South Plains College. Each of these courses allows a student to receive high school credit and three college hours for each course completed successfully. *This course is weighted.*

College Dual Credit Pre-Calculus**1.0****Prerequisites: Alg. II and TSI exemption or passing TSI scores.****11-12 Grades**

This is a year-long course provided for college semester credit. This college level course meets the TEKS and college requirements for information presented. As with all dual credit courses, after successfully completing this course, high school credit and four hours of college credit can be earned. All fees charged by South Plains College for tuition and books are the responsibility of the student. *This course is weighted.*

Physical Education and Health Education**Health Education****0.5****Prerequisites: None****All Levels**

This course is required by the state during the high school career. Students will study primarily the physical dimensions of health education as they relate to the study of body systems and the senses of the body. Proper care of one's body including appropriate exercise, nutrition, and personal hygiene will be integral parts of the course. Students will also study the social dimensions of health education. Emphasis will be placed on the effects of drug abuse (including tobacco and alcohol) on society. Students will be taught



safety and first aid practices as well as prevention of a communicable disease. The goal of this course is to give the students lifelong health skills, to carry with them for the rest of their lives.

Physical Education/Team Sports

.5

Prerequisites: None

All Levels

This course is worth ½ credit per semester. This is designed to give students the overall picture of how the body works. It deals with the proper techniques of stretching and how to work certain muscle areas the proper way. Topics of study include fitness and wellness, safe and smart play, benefits of physical activities, cardiovascular fitness, fat control, muscular endurance, strength and flexibility, stress, fitness and your future, and choosing nutritious foods. The students will perform proper ways to stretch, warm-up and cool-down before competing. Students will learn proper activities that will benefit them for their future. 1.5 credits of PE, athletics, or equivalent activities are required by the state for high school graduation; however, no more than 2 total PE or athletic credits can count for state requirements.

Boys' and Girls' Athletics

1.0

Prerequisites: None

All Levels

Students enrolled in athletics will develop their bodies both mentally and physically. The coaches in charge of each individual sport will teach discipline, hard work, and teamwork. Students will be expected to adhere to all athletic rules and regulations as set forth by Olton ISD. Students elect to join athletics; therefore, athletics is looked at as a privilege. Students must be aware that if they quit athletics in the middle of a semester or are asked to leave athletics, they will not receive credit in that class or any replacement class for that semester. 1.5 credits of PE, athletics, or equivalent activities are required by the state for high school graduation; however, no more than 2 total PE or athletic credits can count for state requirements.

Science

Integrated Physics and Chemistry (IPC)

1.0

Prerequisites: None

Grade 9

This is a preparatory class geared for freshman as they make ready for the Texas Assessment of Knowledge and Skills test (TAKS test). Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving skills. This course combines the disciplines of basic physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry.

Biology I

1.0

Prerequisites:

Grades 9-10

(Freshmen – Scale score of 2100 or above on 8th Grade Science TAKS test.)

(Sophomore – Earned credit in Integrated Physics & Chemistry [IPC])



This course is designed to challenge students in the following aspects: conducting field and laboratory investigations, usage of scientific methods during investigations, and making informed decisions using critical-thinking and scientific problem solving skills. The course also serves as a preparatory class for the Texas Assessment of Knowledge and Skills test (TAKS test). Students in biology also study a variety of subjects that include: cell biology, genetics, evolution, taxonomy, 6-kingdom studies, human systems and ecology.

Chemistry I

1.0

Prerequisites: Successful completion of IPC/Biology and Algebra I **10-11 Grades**

In chemistry, students conduct field and laboratory investigations, use scientific method during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, energy transformations during physical and chemical changes, atomic structure, periodic table of elements, behavior of gases, bonding, nuclear fusion and nuclear fission, oxidation-reduction reactions, chemical equations, solutes, properties of solutions, acids and bases, and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives.

Physics

1.0

Prerequisites:

11-12 Grades

Successful completion of IPC/Biology, Chemistry, Algebra I, and Geometry OR dually enrolled in Algebra II or Trigonometry

In this physics course students conduct field and laboratory investigations, use scientific method during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include laws of motion, changes within physical systems and conservation of energy and momentum, force, thermodynamics, characteristics and behavior of waves, and quantum physics. This course provides students with a conceptual framework, factual knowledge, and analytical and scientific skills.

Environmental Systems

Grade 12

1.0

Prerequisites: Successful completion of IPC/Biology, Chemistry & Physics

Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

Anatomy & Physiology of the Human Body

Grade 12

1.0

Prerequisites: Successful completion of IPC/Biology, Chemistry & Physics

Anatomy and physiology are separate, yet related, subjects associated with health, medicine and biology. Students can expect to cover the following topics: human body orientation, basic chemistry, cells and tissues, skin and body membranes, skeletal system, muscular system, nervous system with special senses, endocrine system, circulatory



system with blood, body defenses, respiratory system, digestive system including body metabolism, urinary system and a unit on human reproduction.

Spanish

Spanish I

1.0

Prerequisites: None

All Levels

Students begin their study of Spanish by learning a basic “survival” vocabulary so they will be able to introduce themselves and greet others, count (in order to buy necessities and tell time and dates for appointments), and have simple conversations about the weather, their families, sports and other pastimes, and ask and answer questions. Students also study aspects of Spanish culture in Spain, Latin America, and the United States. It is very important to lay the foundation for proper use of the language. This course will study verb tenses and basic verb conjugations as well as proper use of articles. Students will speak, read, and write in basic Spanish.

Spanish II

1.0

Prerequisites: Span. I

All Levels

Students will continue to expand their vocabularies in order to speak and write about more complex tasks than in the first year. Verb tenses not previously learned are introduced (as well as subjunctive mood). Further study of aspects of Spanish culture in Spain, Latin America, and the United States is presented. Emphasis is on listening and reading comprehension skills with practice also in speaking and writing in Spanish.

Spanish III

1.0

Prerequisites: Span. I, & Span. II

10-12 Grades

This course is an advanced study of Spanish and will concentrate on improving proficiency in listening, speaking, reading, and writing. Vocabulary will be increased and previously learned structures will be reviewed and practiced so that the student can understand and express ideas that are increasingly complex. Students will explore some Spanish literature, and more aspects of Spanish culture will be studied.

Speech

Communications Applications

0.5

Prerequisites: None

All Levels

This course is a semester course required by the state for graduation. Communication applications help students to develop effective communication skills. Students enrolled in communication applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal professional presentations. Each student will be required to give several oral presentations to the class.



Social Studies

World Geography

1.0

Prerequisites: None

All Levels

This course is normally taken by incoming freshmen. This course examines people, places, and environments on local, regional, national, and international scales. It also focuses on the physical processes that shape the patterns in the environment.

World History

1.0

Prerequisites: None

All Levels

This course is normally taken by sophomore students. This course studies world history from the earliest civilizations to the present. It looks at the foundations of Western civilization, the emergence of the European predominance, and contemporary world developments with their relationship to history.

United States History

1.0

Prerequisites: None

All Levels

This course is normally taken during the junior year. This is a required course, which will cover from Reconstruction to current day, approximately 1864 to the present. United States History should emphasize individual roles, problems, issues, and major events that have shaped our current history. The students need to have a basic understanding of U.S. and European geography. Students need to be proficient in their note taking abilities.

American Government

0.5

Prerequisites: None

Senior Level

This course introduces students to the basic elements of American Government. Students will examine civil rights and liberties and the role of citizens in the political system. Further, students will discuss in-depth the legislative, executive, and judicial branches of the government. Additional topics for discussion may include an examination of public policies and an analysis of state and local governments. Students will be expected to be successful in taking notes. Students must successfully complete this course in order to graduate.

Economics (Free Enterprise)

1.0

Prerequisites: None

Senior Level

This course provides a basic introduction to the study of economics. It examines major markets with respect to the degree of competition within each type and how this affects buyers and sellers. Students will also examine the roles of labor, government, and financial institutions in the American economy. Additional topics for discussion may include unemployment, poverty, wealth, and global economies. Students must successfully complete this course in order to graduate.

Technology Applications

Business Information Management I (BCIS I)

1.0



Prerequisites: Keyboarding or keyboarding proficiency

All Levels

This course is a TECH PREP course. By taking business courses or other technology applications courses and completing this course in the junior or senior year, the student may be able to articulate this course for college credit in a Texas program. To do this students must maintain an average of “80” or above.

Business Information Management II (BCIS II)

1.0

Prerequisites: BCIS I

10-12 Grades

This course is a TECH PREP course. By taking business courses or other computer courses and completing this course in the junior or senior year, the student may be able to articulate this course for college credit in a Texas program. To do this, students must maintain an average of “80” or above.

Digital Graphics and Animation

1.0

Prerequisites: Technology TEKS grades 6-8, Keyboarding proficiency

All Levels

Students must have a basic knowledge of computer operating systems, how to use the computer to acquire information, how to solve problems using the proper technical tools, and how to deliver information in the proper digital format. Students will be given problems that require them to select the proper technology for the task, process knowledge, create a solution, and evaluate the results. This is an introductory course in design, typography, and imaging techniques. The course includes topics such as digital composition, color, imaging, editing, and animation. Students will work with color, resolution, and halftones as well as other image enhancing strategies, including outlining, cropping, digital manipulation, color correction, masking, and the use of channels, paths, background, and layers. Animation, both 2-D and 3-D, will be introduced in this course.

Web Mastering

1.0

Prerequisites: Technology TEKS grades 6-8, Keyboarding proficiency

All Levels

This course focuses on scripting, developing searching strategies, publishing skills, and serving information on a web server. Ultimately, students within an ethical framework will be the webmasters for the class, school, or district, participating in a real global community of learners and collaborators.

Other Electives

ACT/SAT Preparation

0.5

Prerequisites: None

10-12 Grades

This is a semester course designed to review students in the four core curricula as well as reading, test taking strategies, and information about the ACT and SAT tests. Computer applications programs are used extensively.

General Psychology [Online Dual Credit] (First or Second Semester)

0.5

Prerequisites: TSI exemption or passing TSI scores

11-12 Grades



This course offers an introduction to the fundamental concepts in psychology with emphasis on heredity and environment, individual differences, personality dynamics, and group processes.

Introduction to Sociology [Online Dual Credit] (First or Second Semester) 0.5

Prerequisites: TSI exemption or passing TSI scores 11-12 Grades

This course is a study of human group behavior, including the forms which group life takes; relationships of groups to other groups; influence of groups on the individual and relationships of individual to each other as members of groups.

Yearbook

1.0

Prerequisites: Teacher approval

All Levels

This class produces the Olton ISD yearbook each year. The students need to have creativity, writing skills, and problem solving skills. Typing and computer skills are also good to have, but these can be developed as the class progresses. The students are taught photography, page composition, and journalistic styles of writing. The class requires the students be able to attend school events, summer workshops, and advertising sales campaigns. Students will need to be responsible and trustworthy and be willing to give a high level of commitment to finishing the yearbook for publication, even into the summer months.

TAKS Review

(LOCAL) 1.0

Prerequisites:

11-12 Grades

This course is designed to provide extra instruction in TAKS skills and to prepare for upcoming TAKS tests.

Student Aide

(LOCAL) 1.0

Prerequisites: Teacher approval

11-12 Grades

Students assist office staff or teachers with tasks.

