



**O'Donnell High School
Course Catalog
2019-2020**

January 26, 2018 nwhite



Table of Contents

Table of Contents	1
Graduation Requirements	4
Endorsements	5
Performance Acknowledgements.....	7
High School Personal Graduation Plan Worksheet.....	8
Certifications	9
Dual Credit	9
Organizations	10
Course Number List	11

COURSE DESCRIPTIONS

CAREER AND TECHNICAL EDUCATION COURSES (CTE)

Agriculture, Food & Natural Resources Cluster

- ❖ Principles of Agriculture, Food & Natural Resources.....12
- ❖ Livestock Production
- ❖ Agricultural Mechanics and Metal Technologies.....12
- ❖ Agricultural Structures Design & Fabrication
- ❖ Advanced Animal Science.....13
- ❖ Floral Design
- ❖ Agricultural Power Systems.....13
- ❖ Small Animal Management.....14
- ❖ Equine Science.....14
- ❖ Wildlife, Fisheries, and Ecology Management.....14

Manufacturing Cluster

- ❖ Introduction to Welding.....15
- ❖ Welding I

Arts, Audio/Visual Technology & Communications Cluster

- ❖ Fashion Design I.....15

Business Management and Administration Cluster

- ❖ Principles of Business, Marketing, and Finance
- ❖ Business Information Management I (BIM I)
- ❖ Business Information Management II (BIM II)
- ❖ Touch Systems Data Entry.....16

Finance Cluster

- ❖ Accounting I.....17

❖ Accounting II.....	17
❖ Banking and Financial Services.....	17
❖ Financial Mathematics.....	17
❖ Statistics and Business Decision Making	18
Human Services Cluster	
❖ Dollars and Sense	18
Education and Training Cluster	
❖ Principles of Education and Training	18
❖ Human Growth and Development	18
❖ Instructional Practices in Education and Training.....	19
Hospitality and Tourism Cluster	
❖ Principles of Hospitality and Tourism.....	19
❖ Introduction to Culinary Arts	19
❖ Culinary Arts.....	19
❖ Food Science.....	20

NON-CAREER AND TECHNICAL EDUCATION COURSES (CTE)

English Language Arts

❖ English I.....	20
❖ Pre-AP English I	20
❖ English II.....	20
❖ Pre-AP English II	21
❖ English III.....	21
❖ English III Language and Composition AP	21
❖ English IV	21
❖ English IV Literature and Composition AP.....	22
❖ College Prep English Language Arts.....	22
❖ Journalism	22
❖ Yearbook I	22
❖ Yearbook II	22

Speech

❖ Public Speaking – Dual Credit.....	23
--------------------------------------	----

Fine Arts

❖ Band.....	23
❖ Art.....	23
❖ Floral Design	24

Languages Other than English

❖ Spanish I and II.....	24
-------------------------	----

Mathematics

❖ Algebra I.....	24
❖ Geometry.....	25
❖ Algebra II	25
❖ Precalculus.....	25
❖ Mathematical Models with Applications	25
❖ College Prep Mathematics	25
❖ Financial Mathematics.....	26

❖ Statistics and Business Decision Making	26
Physical Education	
❖ Foundations of Personal Fitness	26
❖ Individual Sports	26
❖ Athletics	27
❖ Band	27
Science	
❖ Integrated Physics & Chemistry (IPC)	27
❖ Biology	27
❖ Chemistry	28
❖ Environmental Systems	28
❖ Food Science	28
❖ Advanced Animal Science	28
Social Studies	
❖ World Geography Studies	29
❖ U.S. History Since Reconstruction	29
❖ U.S. Government	29
❖ Economics	29
❖ Personal Financial Literacy	30
Electives	
❖ Senior Transitions	30

O'Donnell High School Graduation Plan

Upon meeting OISD Graduation Requirements, all OISD graduates will achieve Distinguished Achievement.

Every O'Donnell student will plan to earn at least one endorsement.

Every O'Donnell student will have the opportunity to earn Performance Acknowledgements.

WHY EARN THE DISTINGUISHED LEVEL OF ACHIEVEMENT?

A STUDENT MAY EARN A DISTINGUISHED LEVEL OF ACHIEVEMENT BY COMPLETING ALGEBRA II AND ALL OTHER REQUIREMENTS FOR FOUNDATION AND ENDORSEMENT.

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

*A distinguished level of achievement may position you among those first in line for a TEXAS grant (must be financially qualified).

GRADUATION REQUIREMENTS

FOUNDATION + ENDORSEMENT = 26 CREDITS

*=Must pass STAAR End-of-Course Exam (EOC) for this course

CORE REQUIREMENTS

ENGLISH (4 CREDITS): *English I, *English II, English III, English IV

MATHEMATICS (4 CREDITS): *Algebra I, Algebra II, Geometry, & 1 Additional Math (Pre-Calculus or Statistics BDM) or (Math Models, or Financial Math—after Algebra II)

SCIENCE (4 CREDITS): *Biology, 1 Lab-Based Science (Chemistry or IPC), & 2 Advanced Sciences (Chemistry, Env. Systems, Advanced Animal Science, or Food Science)

SOCIAL STUDIES: (3 CREDITS) World Geography, *US History, Government/Economics

FOREIGN LANGUAGE (2 CREDITS): Spanish I, Spanish II

FINE ARTS (1 CREDIT): Band, Art, or Floral Design

PHYSICAL EDUCATION (1 CREDIT): Athletics, PE, or Marching Band (.5 credit each fall)

ENDORSEMENT ELECTIVES

7 TOTAL ELECTIVES (may include some endorsement electives)

OHS ENDORSEMENT OPTIONS:

Business & Industry, Arts & Humanities, Education & Training, Multidisciplinary

O'Donnell High School Endorsements

ARTS & HUMANITIES ENDORSEMENT

Pathway: Performing Arts Instrumental

- Band 1
- Band 2
- Band 3
- Band 4

BUSINESS & INDUSTRY ENDORSEMENT

Pathway: Business Management

Choose at least 4 credits from the following:

- Principles of Business
- BIM I
- BIM II *+
- Accounting I
- Accounting II *+^
- Financial Mathematics +^
- Statistics & Business Decision-Making *+^

BUSINESS & INDUSTRY ENDORSEMENT

Pathway: Hospitality

Choose at least 4 credits from the following:

- Principles of Hospitality
- Intro to Culinary Arts
- Floral Design ^
- Culinary Arts (2 credits) *
- Food Science (counts as Science Core Credit) *+^

BUSINESS & INDUSTRY ENDORSEMENT

Pathway: Agriculture & Structural Systems

Choose at least 4 credits from the following (including at least 1 credit from each group):

1. Principles of Agriculture
2. Ag Mechanics and Metal, Ag Structures, Ag Fabrication and Design, Livestock, Equine Sci./Small Animal Mgt. or Intro to Welding
3. Welding I (2 credits) *, Ag Power Systems (2 credits) *, or Adv. Animal Science *+^

BUSINESS & INDUSTRY ENDORSEMENT

Pathway: Business Hospitality

Choose at least 4 credits from the following (including at least 1 credit from each group):

1. Principles of Business or Principles of Hospitality
2. BIM I, BIM II *+, Accounting I, or Accounting II *+^
3. Intro to Culinary Arts, Culinary Arts (2 credits) *, Floral Design ^, or Food Science *+^

BUSINESS & INDUSTRY ENDORSEMENT

Pathway: Agribusiness

Choose at least 4 credits from the following (including at least 1 credit from each group):

1. Principles of Business or Principles of Ag
2. BIM I, BIM II *+, Accounting I, or Accounting II *+^
3. Ag Mechanics and Metal, Ag Structures, Ag Fabrication and Design, Intro to Welding, Welding I * (2 credits), Ag Power Systems * (2 credits), Livestock Production, Equine Science/Small Animal Management, or Advanced Animal Science *+^

Note: Must have two courses in same cluster AND at least one advanced CTE course; fourth credit must be from the designated career cluster for that endorsement

*=advanced course

+ =course has required prerequisites

^=counts as a Core Credit

Endorsements, Continued

EDUCATION & TRAINING ENDORSEMENT

Pathway: Child Development

Dual Credit CDEC 1317 *^

Dual Credit CDEC 2322 *^

Dual Credit CDEC 2324 *^

Instructional Practices Internship *^

Home of Future Endorsement

MULTIDISCIPLINARY ENDORSEMENT

Pathway: Multidisciplinary

TBD

Home of Future Endorsement

Home of Future Endorsement

Home of Future Endorsement

Note: Must have two courses in same cluster AND at least one advanced CTE course; fourth credit must be from the designated career cluster for that endorsement

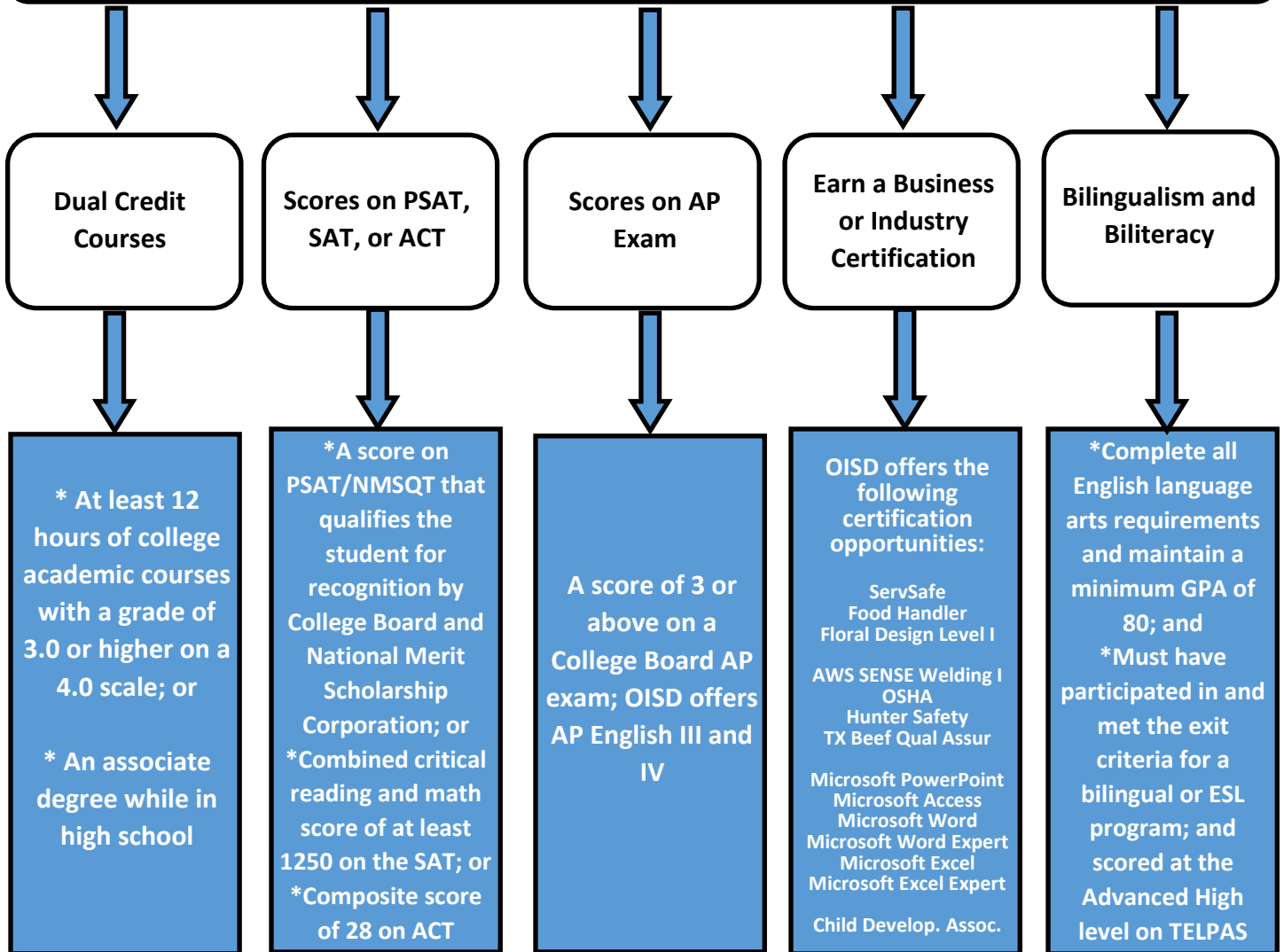
*=advanced course

+ =course has required prerequisites

^=counts as a Core Credit

How Can I Earn Performance Acknowledgments?

An O'Donnell ISD student may earn one or more performance acknowledgments for outstanding performance in/on one of the following:



Did You Know...

CREDIT Students can earn college credit while still in high school by taking AP courses and earning high scores on the AP tests or by passing dual credit courses?

ELIGIBLE Students in the Top 10% of their class are eligible for automatic admission to a Texas public university (with Distinguished Achievement?)

EARNINGS Over their lifetime, high school graduates with a bachelor's degree earn 84% more than a high school graduate?

TUITION The highest ranking graduate receives a certificate to be used for a scholarship to cover tuition at any Texas public college or university? (one year)

For more information: House Bill 5 (www.tea.state.tx.us/graduation-requirements/hb5.aspx)
 Compare College TX (www.comparecollegetx.com)



O'Donnell High School—Personal Graduation Plan Worksheet

(Four Year Plan + Postsecondary Plan) - Class of 2018 and Beyond

Student Name: _____ Grade: _____ Freshman Cohort Yr: _____

The Personal Graduation Plan Worksheet is intended to give you and your parent(s) a guide to use as you progress through high school. Review the plan each year to make sure you are taking the required courses for graduation. Make sure that you are taking the academic courses that support your postsecondary plans.

Career Pathway: _____

Endorsement:

- _____ Arts and Humanities
- _____ Business and Industry
- _____ Public Services
- _____ Multidisciplinary

My Graduation Program:

Distinguished Level of Achievement
Foundation _____ w/ Endorsement _____

State Assessments Required for Graduation:

- Check all passed assessments*
- _____ English I
 - _____ English II
 - _____ Algebra I
 - _____ Biology
 - _____ US History

Performance Acknowledgements:

- _____ Dual Credit
 - _____ AP Exams
 - _____ PSAT/SAT/ACT
 - _____ Bilingualism/Biliteracy
 - _____ Industry Certification
- Certifications:**

My Post High School Plans: (Check as many as apply)

- _____ Two-Year College
- _____ Technical Training
- _____ Four-Year College
- _____ Employment
- _____ Military
- _____ Other

The Distinguished Level of Achievement (DLA) opens a world of educational and employment opportunities for you beyond high school. The DLA will: 1) Allow you to compete for the Top 10% automatic admission eligibility at any Texas public university; 2) Position you among those first in line for a TEXAS Grant (must be financially qualified) to help pay for university tuition and fees; and 3) Ensure you are a more competitive applicant at the most selective colleges and universities.

DISCIPLINE	HS CREDITS EARNED IN MIDDLE SCHOOL	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE	NOTES
ENGLISH (4)		ENGLISH I OR PRE-AP	ENGLISH II OR PRE-AP	ENGLISH III OR AP	ENGLISH IV OR AP	
MATH (4)		ALGEBRA I	GEOMETRY	ALGEBRA II	PRE-CAL OR MATH MOD	
SCIENCE (4)		BIOLOGY	IPC	CHEMISTRY	ADVANCED SCIENCE	
SOCIAL STUDIES (3)		WORLD GEOGRAPHY		US HISTORY	GOVERNMENT/ECONOMICS	
LANGUAGES OTHER THAN ENGLISH (2)	SPANISH I	SPANISH II				
FINE ARTS (1)						_____ CCMR Point
PHYSICAL EDUCATION (1)						_____ TSI Reading
ENDORSEMENT ELECTIVE						_____ TSI Writing
ENDORSEMENT ELECTIVE						_____ TSI Math
OTHER ELECTIVE						

SIGN UP FOR EIGHT (8) CLASSES EACH YEAR.

SIGNATURES

Student: _____ Date: _____
 Parent: _____ Date: _____
 Counselor: _____ Date: _____

The importance of a High School Graduation Plan is to indicate that endorsements, the distinguished level of achievement, and the importance of postsecondary education, automatic college admission, and eligibility for financial aid have been explained to me.

CERTIFICATIONS

O'Donnell High School offers the following certification opportunities:

ServSafe
 Food Handler
 Floral Design Level I

AWS SENSE Welding Level I
 OSHA
 Hunter Safety
 Texas Beef Quality Assurance

Microsoft PowerPoint
 Microsoft Access
 Microsoft Word
 Microsoft Word Expert
 Microsoft Excel
 Microsoft Excel Expert

Child Development
 Associate

DUAL CREDIT

O'Donnell High School offers dual credit and concurrent enrollment courses through South Plains College (SPC). Students must meet both high school and college requirements to receive credit. Dual credit courses are available to students grades 9-12 who have met the TSI testing requirements for each class.

Common O'Donnell ISD Dual Credit Equivalents (Other courses subject to administrative approval.)

SPC #	South Plains College Title	OHS Course Title	Credits
ARTS 1301	Art Appreciation	Art Appreciation	½
CDEC 1317	Child Develop. Assoc. Training I	Principles of Educ. & Training	1
CDEC 2322	Child Develop. Assoc. Training II	Human Growth & Development	1
CDEC 2324	Child Develop. Assoc. Training III	Instr. Practices in Educ. & Training	1
ECON 2301	Macroeconomics	Economics	½
ENGL 1301	Composition I	English III or IV	½
ENGL 1302	Composition II	English III or IV	½
ENGL 2332	World Literature I	English III or IV	½
ENGL 2333	World Literature II	English III or IV	½
GEOG 1303	World Regional Geography	World Geography	1
GOVT 2305	Federal Government	US Government	½
HIST 1301	US History I	US History	½
HIST 1302	US History II	US History	½
HITT 1305	Medical Terminology I	Medical Terminology	½
MUSI 1306	Music Appreciation	Music Appreciation	½
PSYC 2301	General Psychology	Psychology	½
SPCH 1315	Public Speaking	Public Speaking	½
SPCH 1311	Intro to Communication	Communication Applications	½
SOCI 1301	Introduction to Sociology	Sociology	½

ORGANIZATIONS

O'Donnell ISD offers several organizations that will allow you to explore and expand your interests, as well as establish friendships and support school pride and climate. School involvement may also help you be more competitive when applying for colleges and scholarships.

- ❖ Family, Career and Community Leaders of America (FCCLA)
- ❖ Future Farmers of America (FFA)
- ❖ Texas Association of Future Educators (TAFE)
- ❖ National Honor Society (NHS)
- ❖ Student Council
- ❖ UIL Competition (Academic, Athletics, Band)

COURSE NUMBER QUICK INDEX

Ag Department

7000 Principles of Ag, Food, & Natural Resources
7001 Livestock Production
7008 Agricultural Mechanics and Metal Technologies
7009 Agricultural Structures Design & Fabrication
7015 Advanced Animal Science
7010 Agricultural Power Systems
7006 Small Animal Management
7016 Equine Science
7017 Wildlife, Fisheries, and Ecology Management
7020 Introduction to Welding
7019 Welding I

Family and Consumer Sciences Department

7039 Principles of Hospitality and Tourism
7034 Introduction to Culinary Arts
7042 Culinary Arts
7038 Food Science
7037 Floral Design
7033 Fashion Design I

Business Department

7063 Principles of Business, Marketing and Finance
7050 Business Information Management I (BIM I)
7051 Business Information Management II (BIM II)
7060 Touch Systems Data Entry
7054 Accounting I
7055 Accounting II
7064 Banking and Financial Services
7103 Dollars and Sense

Education Department

7044 Principles of Education and Training
7043 Human Growth and Development
7045 Instructional Practices in Education & Training

English Department

1001 English I
1016 English I PAP
1002 English II
1022 English II PAP
1003 English III
1023 English III Language & Composition AP
1006 English IV
1024 English IV Literature & Composition AP
1050 College Preparatory English Language Arts
1031 Journalism
1035 Yearbook I
1036 Yearbook II

Speech Department

1039 Public Speaking Dual Credit
1041 Intro to Communications Dual Credit

Fine Arts Department

6030 Band I
6031 Band II
6032 Band III
6033 Band IV
6020 Art I

Languages Other Than English Department

6000 Spanish I
6001 Spanish II

Mathematics Department

2000 Algebra I
2001 Geometry
2002 Algebra II
2004 Precalculus
2003 Math Models with Applications
2050 College Preparatory Mathematics
2010 Financial Mathematics
7062 Statistics and Business Decision Making

Physical Education Department

5001 Foundations of Personal Fitness
5010 Individual Sports
5004 Athletics I
5005 Athletics II
5006 Athletics III
5007 Athletics IV

Science Department

3004 Integrated Physics & Chemistry (IPC)
3000 Biology
3002 Chemistry
3001 Environmental Systems

Social Studies Department

4000 World Geography Studies
4002 US History Since Reconstruction
4003 US Government
4004 Economics
4012 Personal Financial Literacy

Additional Electives

6010 Senior Transitions

NEW COURSES FOR 2020-2021:

Floral Design

Robotics 2

Principles of Health Science

COURSE DESCRIPTIONS

CAREER AND TECHNICAL EDUCATION COURSES (CTE)

AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER

7000 Principles of Agriculture, Food and Natural Resources

Credit: 1

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, practice, and expectations.

Grades: 9-12

Prerequisite: None

Certification: Hunter Safety (does not qualify for CCMR recognition)

Shop: 30%

7001 Livestock Production

Credit: 1

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge related to animal systems and the workplace and develop knowledge and skill 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.

Grades: 10-12

Prerequisite: None

Recommended: Biology, Principles of AFNR

Certification: Texas Beef Quality Assurance (Perkins qualified; does not qualify for CCMR recognition)

Shop: 0%

7008 Agricultural Mechanics and Metal Technologies

Credit: 1

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. The main focus of this course is to teach students welding techniques along with other agricultural trades. 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.

Grades: 10-12

Prerequisite: None

Recommended: Principles of AFNR

Certification: AWS SENSE Welding Level 1 (qualifies for CCMR recognition; Perkins qualified); OSHA (does not qualify for CCMR recognition)

Shop:

7009 Agricultural Structures Design & Fabrication
(previously Agricultural Facilities Design & Fabrication)

Credit: 1

In this course, students attain knowledge and skills related to agricultural facilities design and fabrication to be prepared for careers in mechanized agriculture and technical systems. This course focuses on the construction of agriculture and wood structures.

Grades: 10-12

Prerequisite: None

Certification: AWS SENSE Welding Level 1 (qualifies for CCMR recognition; Perkins qualified); OSHA (does not qualify for CCMR recognition)

Shop:

Note: This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

7015 Advanced Animal Science

Credit: 1

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge related to animal science and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production.

Grades: 10-12

Prerequisite: Biology, Chemistry or IPC, Algebra and Geometry, and either Small Animals, Livestock, or Equine

Lab: Students must meet the 40% laboratory and fieldwork requirement.

Shop: 0%

Certification: None

Note: This course meets the state graduation requirements for an advanced fourth science. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

7037 Floral Design
(previously Principles and Elements of Floral Design)

Credit: 1

To be prepared for careers in floral design, students need to attain academic skills and knowledge related to horticultural systems and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises.

Grades: 11-12

Prerequisites: None

Class Size Limit: 10

Lab: 50%

Certification: Floral Design Certification, Level One 1 (qualifies for CCMR recognition; Perkins qualified)

Note: This course meets the state graduation requirements for one credit in fine arts.

7010 Agricultural Power Systems

Credit: 2

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge related to horticultural systems and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery.

Grades: 10-12

Prerequisites: None

Shop:

Certification: AWS SENSE Welding Level 1 (qualifies for CCMR recognition; Perkins qualified); OSHA (does not qualify for CCMR recognition)

Note: This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

7006 Small Animal Management

Credit: ½

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 expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

Grade: 10-12

Prerequisite: None

Shop:

Certification: None

7016 Equine Science

Credit: ½

In this course, 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. The student will learn about issues affecting the equine industry.

Grade: 10-12

Prerequisite: None

Shop:

Certification: None

7017 Wildlife, Fisheries, and Ecology Management

Credit: 1

In this course, students will examine the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices.

Grade: 10-12

Prerequisite: None

Shop: 0%

Certification: Hunter Safety (does not qualify for CCMR recognition)

MANUFACTURING CLUSTER

7020 Introduction to Welding

Credit: 1

Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development.

Grade: 10-12

Prerequisite: None

Shop:

Certification: AWS SENSE Welding Level 1 (qualifies for CCMR recognition; Perkins qualified); OSHA (does not qualify for CCMR recognition)

7019 Welding I

Credit: 2

Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Grade: 10-12

Prerequisite: None

Shop:

Certification: AWS SENSE Welding Level 1 (qualifies for CCMR recognition; Perkins qualified); OSHA (does not qualify for CCMR recognition)

ARTS, AUDIO/VISUAL TECHNOLOGY & COMMUNICATIONS CLUSTER

7033 Fashion Design I

Credit: 1

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.

Grades: 10-12

Prerequisites: None

Certification: None

BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER

7063 Principles of Business, Marketing, and Finance

Credit: 1

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

Grades: 9-12

Prerequisites: None

Certification: Microsoft PowerPoint; Microsoft Access (does not qualify for CCMR)

7050 Business Information Management I (BIM I)

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 using appropriate software.

Grades: 9-12

Prerequisites: None

Certification: Microsoft Word; Microsoft Word Expert (qualifies for CCMR recognition)

Note: This is an articulated course.

7051 Business Information Management II (BIM II)

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 complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

Grades: 10-12

Prerequisite: Business Information Management I

Certification: Microsoft Excel; Microsoft Excel Expert (qualifies for CCMR recognition)

Note: This is an articulated course. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

7060 Touch Systems Data Entry

Credit: ½

In this course, students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communications, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents.

Grade: 9-10

Prerequisite: None

Certification: None

FINANCE CLUSTER

7054 Accounting I

Credit: 1

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

Grade: 10-12

Prerequisite: None

Certification: None

Note: This is an articulated course.

7055 Accounting II

Credit: 1

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

Grade: 11-12

Prerequisite: Accounting I

Certification: Not Yet Available - QuickBooks Certified User (qualifies for CCMR recognition)

Note: This course satisfies a high school mathematics graduation requirement. This is an articulated course. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

7064 Banking and Financial Services

Credit: ½

Students develop knowledge and skills in the economical, financial, technological, international, social, and ethical aspects of banking to become competent consumers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

Grade: 10-12

Prerequisite: None

Certification: None

2010 Financial Mathematics

Credit: 1

Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a 3 solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language.

Grade: 10-12

Prerequisite: Algebra 1

Certification: None

Note: This course satisfies a high school mathematics graduation requirement. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

7062 Statistics and Business Decision Making**Credit: 1**

When possible, students will apply mathematics to problems arising in everyday life, society, and the workplace. Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language.

Grade: 11-12

Prerequisite: Algebra 2

Certification: None

Note: This course satisfies a high school mathematics graduation requirement. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

HUMAN SERVICES CLUSTER

7103 Dollars and Sense**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.

Grade: 9-12

Prerequisite: None

Certification: None

EDUCATION AND TRAINING CLUSTER

7044 Principles of Education and Training**Credit: 1**

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster.

Grade: 9-12

Prerequisite: None

Membership: Texas Association of Future Educators

Dual Credit: Not Dual Credit; First course of Education Endorsement; No elementary observation in this course

Certification: As part of the Education Endorsement, this course is one of three required courses to sit for the Child Development Associate exam. Qualifies for CCMR recognition.

7043 Human Growth and Development**Credit: 1**

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development. This is a ONE semester course paired with 7045.

Grade: 9-12

Prerequisite: None

Membership: Texas Association of Future Educators

Dual Credit: Corresponds with CDEC 1321 Infant and Toddler

Certification: As part of the Education Endorsement, this course is one of three required courses to sit for the Child Development Associate exam. Qualifies for CCMR recognition.

7045 Instructional Practices in Education and Training

Credit: 1

Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. This class will give opportunity for the student to earn the required 480 hours with 3-5 year-olds for the certification exam.

Grade: 9-12

Prerequisite: None

Membership: Texas Association of Future Educators

Dual Credit: Corresponds with CDEC 1319 Child Guidance

Certification: As part of the Education Endorsement, this course is one of three required courses to sit for the Child Development Associate exam. Qualifies for CCMR recognition.

Practicum in Education and Training

Credit 0.5-1

Grade: 9-12

Prerequisite: None

Membership: Texas Association of Future Educators

Dual Credit: Corresponds with CDEC 1167 Practicum Child Care Provider/Assistant

Certification: As part of the Education Endorsement, this course is one of three required courses to sit for the Child Development Associate exam. Qualifies for CCMR recognition.

Extended Practicum in Education and Training

Credit 0.5-1

Lets practicum go for two years

Also CDEC 1167; Dual credit may not be awarded since practicum was completed once

HOSPITALITY AND TOURISM CLUSTER

7039 Principles of Hospitality and Tourism

Credit: 1

The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. the hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry.

Grade: 9-12

Prerequisite: Food Handler (does not qualify for CCMR recognition)

Lab: None

7034 Introduction to Culinary Arts

Credit: 1

This course 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.

Grade: 9-12

Certification: Food Handler (does not qualify for CCMR recognition)

Lab: 20% (includes food preparation)

7042 Culinary Arts

Credit: 2

This course is designed to offer skills and hands-on experience for the student interested in the food service industry. The course includes the study of health laws, sanitation, food technology, food preparation, merchandising operations, salesmanship, and service-related etiquette.

Grade: 10-12

Prerequisite: None

Certification: Food Handler (does not qualify for CCMR recognition)

Lab: 20% (includes food preparation)

7038 Food Science

Credit: 1

382060 Food Science Credit: 1 In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. This course may be used to satisfy a science credit required for graduation.

Grade: 11-12

Prerequisite: Three units of science including chemistry and biology

Certification: Food Handler (does not qualify for CCMR recognition)

Lab: Students must meet the 40% laboratory and fieldwork requirement. (Does not include food preparation)

Note: This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

NON-CAREER AND TECHNICAL EDUCATION COURSES (CTE)

ENGLISH LANGUAGE ARTS

1001 English I

Credit: 1

Students practice all forms of writing in this course. An emphasis is placed on organizing logical arguments with clearly expressed related definitions, thesis, and evidence. Students write to persuade, to report and to 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 interpret the possible influences of the historical context on a literary work.

Grade: 9

Prerequisite: None

1016 English I Pre-AP

Credit: 1

This course prepares students for work in the Advanced Placement program by providing in-depth studies of literary units by genre, including poetry, drama, nonfiction, short stories, research, and novels.

Students will engage in critical reading and will write in a variety of forms, with special emphasis on literary units by genre, including poetry, drama, nonfiction, short stories, research, and novels.

Grade: 9

Prerequisite: None

Note: This is a weighted course.

1002 English II

Credit: 1

Students practice all forms of writing in this course. An emphasis is placed on persuasive forms of writing such as logical arguments, expressions of opinion, and personal forms of writing. These personal forms of writing may include a response to literature, a reflective essay, or an autobiographical narrative. English II students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work.

Grade: 10

Prerequisite: English I

1022 English II Pre-AP

Credit: 1

This course prepares students for work in the Advanced Placement program by providing in-depth studies of thematic literary units that combine poetry, drama, nonfiction, short stories, research, and novels. Students will engage in critical reading and will write in a variety of forms, with special emphasis on literary analysis and persuasive essays.

Grade: 10

Prerequisite: English I

Recommended: English I Pre-AP

Note: This is a weighted course.

1003 English III

Credit: 1

Students practice all forms of writing in this course. 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.

Grade: 11

Prerequisite: English II

1023 English III Language and Composition AP

Credit: 1

This course prepares students for the English Language and Composition Advanced Placement examination by engaging students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

Grade: 11-12

Prerequisite: English II

Recommended: English II Pre-AP

Note: This is a weighted course.

1006 English IV**Credit: 1**

This course further expands the concepts and skills learned in earlier English classes. The focus of study will be on commonly recognized patterns of organization, precision in meaning through language and rhetorical choices, analysis of ideas, and use of sophisticated and precise word choices. Students will read and recognize major authors, periods, forms and works in British literature. Focus will be on recurring themes, devices of propaganda, analysis of the presentation of ideas including forms of logical reasoning and techniques of persuasive language. Students will understand the application of abstract concepts and read and think critically.

Grade: 11

Prerequisite: English II

1024 English IV Literature and Composition AP**Credit: 1**

This course is designed to prepare students for the English Literature and Composition Advanced Placement examination by engaging students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes as well as such elements as the use of figurative language, imagery, symbolism, and tone. The course will include intensive study of representative works from various genres and periods. Writing assignments will focus on the critical analysis of literature and will include expository, analytical, and argumentative essays as well as well-constructed, creative writing assignments. Emphasis will be placed on helping students develop stylistic maturity.

Grades: 11-12

Prerequisite: English II

Recommended: English II Pre-AP

Note: This is a weighted course.

1050 College Preparatory English Language Arts**Credit: 1**

This course focuses on achieving college readiness by learning reading and writing strategies based on competencies designed in partnership with institutions of higher education. Upon successfully completing this course, the student will be considered college ready in reading and writing if they enroll in a non-remedial English course at South Plains College within the first two years following graduation.

Grades: 12

Prerequisite: Counselor approval

JOURNALISM

1031 Journalism**Credit: 1**

Students enrolled in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written compositions on a regular basis, carefully examining their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Journalism, students are expected to write in a variety of forms and for a variety of audiences and purposes. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing.

Grades: 10-12

Prerequisite: None

Note: The yearbook is produced in this class. The class size limit is 12.

1035 Yearbook 1; 1036 Yearbook 2

Credit: 1

Students enrolled in Advanced Journalism (Yearbook I, II) communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

Grades: 10-12

Prerequisite: Journalism

Note: The yearbook is produced in this class. The class size limit is 12.

SPEECH

1311 SPCH 1311 Intro to Speech Communications

Credit: 1; 3 hours college

This course provides the opportunity for students to receive both high school and college credit at the same time. Students who enter this course must meet the enrollment criteria of South Plains College and must pay their tuition at SPC for three hours of college credit. Grades will be recorded both at O'Donnell High School and SPC and will appear on each institution's transcript. The course involves the study of effective communications through speech. Emphasis is placed upon content, organization, and delivery of speeches for various purposes and occasions. This course will be taught on the O'Donnell campus. Students must have prior approval to enroll from the high school

Grade: 9-12

Prerequisite: None; college entrance requirements

Note: This is a weighted course.

FINE ARTS

6030-6034 Band I-IV

Credit: 1

Four basic strands--foundations: music literacy; creative expression; historical and cultural relevance; and critical evaluation and response--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. The foundation of music literacy is fostered through reading, writing, reproducing, and creating music, thus developing a student's intellect. Through creative expression, students apply their music literacy and the critical-thinking skills of music to sing, play, read, write, and/or move. By experiencing musical periods and styles, students will understand the relevance of music to history, culture, and the world, including the relationship of music to other academic disciplines and the vocational possibilities offered. Through critical listening, students analyze, evaluate, and respond to music, developing criteria for making critical judgments and informed choices.

Grade: 9-12

Prerequisite: None

Note: These courses include marching band and competitions. Students receive ½ PE credit toward graduation for each fall they participate in marching band.

6020 Art I

Credit: 1

Four basic strands--foundations: observation and perception; creative expression; historical and cultural relevance; and critical evaluation and response--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Each strand is of equal value and may be presented in any order throughout the year. Students rely on personal observations and perceptions, which are developed through increasing visual literacy and sensitivity to surroundings, communities, memories, imaginings, and life experiences as sources for thinking about, planning, and creating original artworks. Students communicate their thoughts and ideas with innovation and creativity. Through art, students challenge their imaginations, foster critical thinking, collaborate with others, and build reflective skills. While exercising meaningful problem-solving skills, students develop the lifelong ability to make informed judgments.

Grade: 9-12

Prerequisite: None

7037 Floral Design

Credit: 1

(previously Principles and Elements of Floral Design)

To be prepared for careers in floral design, students need to attain academic skills and knowledge related to horticultural systems and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises.

Grades: 11-12

Prerequisites: None

Class Size Limit: 10

Lab: 50%

Certification: Floral Design Certification, Level One 1 (qualifies for CCMR recognition; Perkins qualified)

Note: This course meets the state graduation requirements for one credit in fine arts.

LANGUAGES OTHER THAN ENGLISH

General Description

Acquiring another language incorporates communication skills such as listening, speaking, reading, writing, viewing, and showing. Students develop these communication skills by using knowledge of the language (including grammar), knowledge of the culture, communication and learning strategies, technology, and content from other subject areas to socialize, to acquire and provide information, to express feelings and opinions, and to get others to adopt a course of action. While knowledge of other cultures, connections to other disciplines, comparisons between languages and cultures, and community interaction all contribute to and enhance the communicative language learning experience, communication skills are the primary focus of language acquisition.

6000 Spanish I and 6001 Spanish II

Credit: 1 each

In levels I and II courses (novice levels), students will demonstrate an understanding of simple, clearly spoken, and written language. Students will develop an understanding of the practices and perspectives of the cultures studied; use the language to obtain, reinforce, or expand knowledge of other subject areas; demonstrate an understanding of the influence of language and culture on another; and use the language both within and beyond the school setting through activities such as participating in cultural events and using technology to communicate.

Grade: 8-12

Prerequisite for Spanish I: None

Prerequisite for Spanish II: Spanish I

MATHEMATICS

2000 Algebra I**Credit: 1**

Algebra I provides the foundation concepts for high school mathematics. Students will be introduced to algebraic thinking and will use symbols to study relationships among quantities. They will be introduced to the relationship between equations and functions and will receive the tools for algebraic thinking as well as the training to use technology to model mathematical situations to solve meaningful problems. Foundations will be laid for all functions, with emphasis on linear and quadratic.

Grade: 9

Prerequisite: None

2001 Geometry**Credit: 1**

Geometry provides an opportunity to do geometric thinking and spatial reasoning. The student will study properties and relationships of all geometric figures relating to zero, one, two, and three dimensions and will be introduced to the relationship between geometry & other mathematics with other disciplines.

Grade: 10-11

Prerequisite: Algebra I

2002 Algebra II**Credit: 1**

Algebra II allows students to continue to build on the algebraic skills of analysis of data and the foundations of Algebra I. It shows a connection between algebra and geometry and illustrates how the tools of one can be used to solve problems in the other. The course includes in-depth studies and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices.

Grade: 10-12

Prerequisite: Algebra I

2004 Precalculus**Credit: 1**

Precalculus allows students to continue to build on the mathematical foundations laid in Algebra I, II, and Geometry. Students will use functions, equations, and limits as useful tools for expressing generalizations and as means for analyzing and understanding a broad variety of mathematical relationships. Students are expected to have a good working knowledge of a graphics calculator.

Grade: 11-12

Prerequisite: Geometry and Algebra II

2003 Mathematical Models with Applications**Credit: 1**

In this course, students continue to build on the K-8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric 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, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations. Students use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology (including, but not limited to, calculators with graphing capabilities, data collection devices, and computers) to link modeling techniques and purely mathematical concepts and to solve applied problems.

Grade: 10-12

Prerequisite: Algebra

2050 College Preparatory Mathematics

Credit: 1

This course builds on Algebra I and Algebra II skills in preparation for a traditional college algebra course. Students will participate in an additional skills-based review and improve algebra skills to successfully pass the math section of college entrance. This course uses curriculum from South Plains College. If the student passes the final South Plains College, they are deemed college ready for their non-remedial college math course at South Plains College within the first two years following graduation.

Grade: 12

Prerequisite: Counselor approval

2010 Financial Mathematics

Credit: 1

Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a 3 solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language.

Grade: 10-12

Prerequisite: Algebra 1

Certification: None

Note: This course satisfies a high school mathematics graduation requirement. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

7062 Statistics and Business Decision Making

Credit: 1

When possible, students will apply mathematics to problems arising in everyday life, society, and the workplace. Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language.

Grade: 11-12

Prerequisite: Algebra 2

Certification: None

Note: This course satisfies a high school mathematics graduation requirement. This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

PHYSICAL EDUCATION

5001 Foundations of Personal Fitness

Credit: ½

This course represents a new approach in physical education and the concept of personal fitness. The basic purpose of the course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course.

Grade: 9-12

Prerequisite: None

5010 Individual Sports**Credit: ½**

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course.

Grade: 9-12

Prerequisite: None

5004-5007 Athletics**Credit: 1**

All athletic classes are sanctioned by the University Interscholastic League. In order to participate, a student must maintain a 70 average in all classes. A complete doctor's physical is required from each student athlete upon entering the 9th grade. Insurance is provided to each student athlete while participating in or while traveling to and from any UIL event sanctioned and chaperoned by TISD. TISD provides this insurance at no cost to the student athlete. Each student athlete is required to attend every practice session, unless previously excused by the head coach due to extenuating circumstances. All missed practice time will be made up. Each student will be required to abide by the rules set up by the Athletic Department without exception.

Grade: 9-12

Prerequisite: Physical Exam

6030-6034 Band I-IV**Credit: 1**

Four basic strands--foundations: music literacy; creative expression; historical and cultural relevance; and critical evaluation and response--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. The foundation of music literacy is fostered through reading, writing, reproducing, and creating music, thus developing a student's intellect. Through creative expression, students apply their music literacy and the critical-thinking skills of music to sing, play, read, write, and/or move. By experiencing musical periods and styles, students will understand the relevance of music to history, culture, and the world, including the relationship of music to other academic disciplines and the vocational possibilities offered. Through critical listening, students analyze, evaluate, and respond to music, developing criteria for making critical judgments and informed choices.

Grade: 9-12

Prerequisite: None

Note: These courses include marching band and competitions. Students receive ½ PE credit toward graduation for each fall they participate in marching band.

SCIENCE

3004 Integrated Physics & Chemistry (IPC)**Credit: 1**

Learning about matter, energy, and technology and their involvement with all forms of life has become increasingly important for living in today's complex world. Through laboratory and classroom experiences, students will integrate introductory concepts in chemistry and physics to life and earth sciences.

Enrichment and application will be emphasized through use of experiments, research, critical thinking, problem-solving and multicultural connections. It will also integrate the disciplines of physics and chemistry in the following topics: motion, waves, transformations, properties of matter, changes in matter and solution chemistry.

Grade: 9-11

Prerequisite: None

Lab: The student, for at least 40% of instructional time, conducts laboratory and field investigations using safe, environmentally appropriate, and ethical practices.

3000 Biology

Credit: 1

In Biology, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. Students in Biology study a variety of topics that include structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment.

Grade: 9-10

Prerequisite: None

Lab:

3002 Chemistry

Credit: 1

In Chemistry, students conduct field and laboratory investigations, use scientific methods 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.

Grade: 10-12

Prerequisite: one unit of high school science and Algebra I

Lab: The student, for at least 40% of instructional time, conducts laboratory and field investigations using safe, environmentally appropriate, and ethical practices.

3001 Environmental Systems

Credit: 1

In this course, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. 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; the relationship between carrying capacity and changes in populations and ecosystems; and changes in environments.

Grade: 11-12

Prerequisites: Biology

Lab: The student, for at least 40% of instructional time, conducts laboratory and field investigations using safe, environmentally appropriate, and ethical practices.

7038 Food Science

Credit: 1

382060 Food Science Credit: 1 In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. This course may be used to satisfy a science credit required for graduation.

Grade: 11-12

Prerequisite: Three units of science including chemistry and biology

Certification: Food Handler (does not qualify for CCMR recognition)

Lab: Students must meet the 40% laboratory and fieldwork requirement. (Does not include food preparation)

Note: This is an advanced course for additional funding for students enrolled in two advanced courses in the same year.

7015 Advanced Animal Science

Credit: 1

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge related to animal science and develop knowledge and skill regarding career opportunities, entry requirements, and industry expectations. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production.

Grades: 10-12

Prerequisite: None

Shop:

Certification: None

Note: This course meets the state graduation requirements for an advanced fourth science.

SOCIAL STUDIES

4000 World Geography Studies

Credit: 1

In this course, students examine people, places, and environments at local, regional, national, and international scales. Students describe the influence of geography on events of the past and present. A significant portion of the course centers on the physical processes that shape patterns in the physical environment; the characteristics of major land forms, climate, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of world population; relationships among people, places, and environments; and the concept of region.

Grade: 9-10

Prerequisite: None

4002 U.S. History Since Reconstruction

Credit: 1

In this course, the second part of a two-year study of U.S. history that begins in Grade 8, students study the history of the United States from Reconstruction to the present through the use of reading, research, writing, and interpretation of maps, charts, graphs, and tables. Historical content focuses on political, economic, military, diplomatic, and social events and issues, including the contributions of significant groups and individuals to the history of this country, and the impact of geographic factors on major events. An important part of the content is the development and application of the principles of citizenship. Students will use critical thinking skills to explain and apply methods of interpreting the past, including points of view and historical context. They will use a variety of rich primary and secondary source material, such as biographies and autobiographies, Supreme Court cases, novels, speeches, letters, diaries, poetry, songs, artworks, photographs, documentaries, and films.

Grade: 11

Prerequisite: None

4003 U.S. Government

Credit: ½

This course focuses on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze

major concepts of republicanism, federalism, 142 checks and balances, separation of powers, popular sovereignty, and individual rights, and they compare the U.S. system of government with other political systems.

Grade: 12

Prerequisite: None

4004 Economics

Credit: ½

This course is a comprehensive study of the American free enterprise economy. It includes the study of basic concepts of economics, the market system, the American business system, labor unions, money and banking, business cycles, consumer skills, the role of government in free enterprise, and comparative economic systems. Emphasis is placed upon economic decision-making and personal development strategies.

Grade: 12

Prerequisite: None

4012 Personal Financial Literacy

Credit: ½

This course is a required course offering for every high school in the state. Students participate understanding interest, avoiding and eliminating credit card debt; understanding the rights and responsibilities of renting or buying a home; managing money to make the transition from renting a home to home ownership; starting a small business; being a prudent investor in the stock market and using other investment options; beginning a savings program and planning for retirement; bankruptcy; the types of bank accounts available to consumers and the benefits of maintaining a bank account; balancing a check book; the types of loans available to consumers and becoming a low-risk borrower; understanding insurance; charitable giving; completing the application for federal student aid provided by the United States Department of Education; and methods of paying for college.

Grade: 10-12

Prerequisite: None

ADDITIONAL NON-CTE ELECTIVES

6010 Senior Transitions

Credit: 1

This is a locally developed course designed to give seniors time, access, and guidance through the college exploration and acceptance process, financial aid, housing, degree research, and scholarship applications. It includes college tours and visits from multiple college recruiters.

Grade: 12

Prerequisite: None