

ALVARADO HIGH SCHOOL



Course Guide 2014-2015

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ALVARADO ISD
P.O. Box 387 | Alvarado, Texas 76009 | 817.783.6800 | 817.783.6844 fax

Indian Family,

The information in this booklet is designed to assist students in planning high school as well as post-graduation careers. Students are urged to consult with parents, teachers, and the counselors regarding course offerings and career plans.

Students have three options to meet graduation requirements. The academic programs offered include levels appropriate for individual student's abilities and interests so that all students may succeed in their high school careers.

Elective courses are offered as a result of student demand. If there is insufficient enrollment for a course, or certified teachers are not available to teach the course, the course will not be offered and alternative selections will have to be made.

Registration will take place in the spring for the following school year. Although students will receive specific instructions during that time from the high school counselors, the responsibility for selecting appropriate career and graduating plans rests with students and their parents. Students will select specific courses with parent approval, and the counselors will verify that choices meet graduation requirements. A four year plan will be developed during the eighth and ninth grade year.

Any questions regarding courses, graduation requirements, or scheduling should be referred to the school counseling office.

Kindest Regards,

Dr. Chester R. Juroska
Superintendent
Alvarado ISD

AHS COUNSELING CENTER

P.O. Box 387
Alvarado, Texas 76009
(817) 783-6940

Carla Edwards, ext. 2013
carlae@alvaradoisd.net

Haven Isclaw, ext. 2014
haveni@alvaradoisd.net

House Bill 5 Graduation Requirements for Students Entering High School in 2014 or Later

THE INTENT OF HOUSE BILL 5

Accountability, Assessment and Graduation Plans

The Goals:

- The development of a more diverse workforce
- Sending students to the postsecondary level more prepared
- The understanding is that each student's path to the workforce is unique

HIGH SCHOOL GRADUATION REQUIREMENTS

To receive a high school diploma, a student entering grade 9 in the 2014-2015 school year and thereafter, must complete the following:

- The Foundation High School Program
- Testing requirements
- Demonstrated proficiency in professional communication

PROFESSIONAL COMMUNICATION

- As determined by the district
- A semester of professional communication or communication application at the Junior High level.

FOUNDATION HIGH SCHOOL PROGRAM

Foundation Curriculum:

English Language Arts (4 credits)

- English 1, English 2, English 3, Advanced English Course (English 4)

Mathematics (3 credits)

- Algebra 1, Geometry, Advanced Math Course (for 1 year only-Math Models/Algebra 2)

Science (3 credits)

- Biology, Laboratory Based Course (IPC/Chemistry/Physics), Advanced Science Course (Chemistry, Physics, Aquaculture, Environmental Systems (if offered), Forensic Science, Anatomy and Physiology, AP Environmental Science, and Physics Ride)

Social Studies (3 credits)

- US History, US Government (semester course), Economics (semester), W History or World Geography (district choice)

Enrichment Curriculum

Physical Education (1 credit)

Fine Art (1 credit)

Languages other than English (2 credits-in the same language) *some exceptions

Electives (5 credits)

Total - 22 credits

LANGUAGES OTHER THAN ENGLISH (2 credits - any two levels in the same language)

If a student in completing the first credit of the language is unlikely able to complete the second credit, the student may substitute:

- Special Topics in Language and Culture (not offered at AHS)
- W History or W Geography
- Computer Programming (not offered at AHS)
- A different language course

The determination regarding a student's ability to complete the second credit of a foreign language must be agreed to by:

- The teacher of the first course
- The principal or designee
- Student's parent or guardian
- Or by ARD/504 committee meeting

A student, who due to a disability is unable to complete 2 credits in the same language may substitute:

- A combination of 2 credits from English, Math, Science or Social Studies
- Two credits in Career Tech Education or Technology Applications

(ARD/504 committee will make this determination)

ENDORSEMENTS

A student may earn an endorsement by completing:

- Curriculum requirements for the endorsement
- 4 credits in math
- 4 credits in science
- 2 additional elective credits

Total credits - 26

Beginning in 2014-2015, a student shall specify in writing an intended endorsement upon entering grade 9.

A district shall permit students to enroll in courses under more than one endorsement before their junior year and to choose, at any-time, to earn an endorsement other than the one previously indicated.

A student may opt for the foundation program without an endorsement after their sophomore year with guardian approval and with advisement of the counselor regarding advantages of graduating with one or more endorsements.

Endorsement Plans

- Science, Technology, Engineering, and Mechanics/STEM (not offered at AHS at this time)
- Business and Industry
- Public Service
- Arts and Humanities
- Multidisciplinary

STEM (Science, Technology, Engineering, and Mechanics) Endorsement Requirements

Algebra 2, Chemistry, and Physics

4 or more credits in Career and Technical Education (CTE)

- 2 courses in the same cluster
- 1 advanced course as 3rd year level
- Final course from STEM courses

Coherent sequence of the 4 credits in computer science from:

- Fundamentals of Computer Science
- Discrete Science
- Digital Forensics
- AP Computer Science
- Mobile App Development
- IB Computer Science Standard Level
- Robotics Programming and Design
- IB Computer Science, higher level
- Independent Study of Technology Apps

3 credits in math by successfully completing Algebra 2 and 2 additional math courses which Algebra 2 is a pre-requisite

4 credits in science by successfully completing Chemistry and 2 additional science courses

(In addition to Algebra 2, Chemistry and Physics, a coherent sequence of 3 additional credits from no more than 2 of the STEM math courses listed above)

Business and Industry Endorsement Requirements

Coherent sequence of 4 or more credits in Career and Technical Education (CTE)

- 2 courses in same cluster
- 1 advanced course as 3rd year level
- Final course must be from the career clusters listed below:
 - Agriculture, Food, and Natural Resources
 - Architecture and Construction
 - Arts, Audio/Video Technology and Communications
 - Business Management and Administration
 - Finance (not offered at AHS)
 - Hospitality and Tourism
 - Information Technology (not offered at AHS)
 - Manufacturing (not offered at AHS)
 - Marketing (not offered at AHS)
 - Transportation, Distribution, and Logistics (through Hill College automotive)

4 English elective credits to include 3 levels in one of the following areas:

- Advanced Broadcast Journalism or Advanced Journalism Yearbook
- Public Speaking, Debate or Advanced Journalism Yearbook

4 credits from Technology Applications (if offered)

- Digital Design and Media
- Digital Video and Audio Design
- Digital Art and Animation
- Web Communications
- 3-D Modeling and Animation
- Web Design
- Digital Communication in the 21st Century
- Web Game Design
- Independent Study in Evolving/Emerging Technologies

Public Service Endorsement Requirements

Coherent sequence of 4 or more credits in Career and Technical Education (CTE)

- 2 courses in the same cluster
- 1 advanced course as 3rd year level
- Final course must be obtained from one of the CTE career clusters listed:
 - Education and Training
 - Government and Public Administration (not offered at AHS)
 - Health Science
 - Human Services
 - Law, Public Safety, Corrections and Security (not offered at AHS)

OR

4 courses in Junior Reserve Officer Training Corps (JROTC)

Arts and Humanities Endorsement Requirements

Total of 5 social studies courses

OR

4 levels of the same language other than English

OR

2 levels of the same language other than English and 2 levels of a different language in a language other than English

OR

4 levels of American Sign Language (not offered at AHS at this time)

OR

A coherent sequence of 4 credits by selecting courses in fine arts

OR

4 English elective credits by selecting from the following:

- English 4
- Independent Study in English
- Literary Genres
- Creative Writing
- Research and Technical Writing
- Humanities
- AP English Literature and Composition
- Communication Applications
- IB Language Studies at H1 higher level

Multidisciplinary Endorsement Requirements

4 advanced courses that prepare a student to enter the workforce successfully or post secondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence

OR

4 credits in each of the 4 foundation subject areas to include English 4 and Chemistry and/or Physics

OR

4 advanced placement or IB or dual credit courses selected from English, math, science, social studies, economics, languages other than English or fine arts.

DISTINGUISHED LEVEL OF ACHIEVEMENT

A student may earn a distinguished level of achievement by successfully completing:

- The curriculum requirements for the Foundation High School program
- The curriculum requirements for at least one endorsement, including a total of 4 credits in mathematics, including Algebra 2 and a total of 4 credits in science

PERFORMANCE ACKNOWLEDGEMENT

A student may earn a performance acknowledgement:

- For outstanding performance
 - A dual credit course
 - In bilingualism and biliteracy
 - On an AP test or IB exam
 - On the PSAT, the ACT-Plan, the SAT or the ACT
- For earning a nationally recognized business or industry certification of license

Dual Credit

A student may earn a performance acknowledgement on the student's diploma and transcript for outstanding performance in a dual credit course by successfully completing:

- At least 12 hours of college academic courses (including dual credit for core curriculum, advanced technical credit, or locally articulated credit courses) with a grade of the equivalent of a 3.0 or higher
- An associate degree while in high school

Bilingualism and Biliteracy

A student may earn a performance acknowledgement by demonstrating proficiency in 2 or more languages by:

- Completing all English language arts requirements and maintaining a minimum grade point average of an 80

AND

- Satisfying one of the following:
 - Completion of 3 credits in the same language other than English with a minimum GPA of 80

OR

- Demonstrated proficiency in the Texas Essential Knowledge and Skills for level IV or higher in a language other than English with a minimum grade point average of the equivalent of 80

OR

- Complete at least 3 credits in foundation subject area courses in a language other than English with a min. GPA of 80

OR

- Demonstrated proficiency in one or more languages other than English through one of the following methods:
 - A score of 3 or higher on a college board advanced placement exam for a language other than English

OR

- A score of 4 or higher on an International Baccalaureate exam for a higher-level languages other than English course

OR

- Performance on a national assessment of language proficiency in a language other than English of at least intermediate high or its equivalent

In addition to meeting the requirements of this subsection (Bilingualism and Biliteracy), to earn a performance acknowledgement an English Language Learner must also have:

- Participated in and met the exit criteria for a Bilingual or English as a Second Language program

AND

- Scored at the advanced high level on the Texas English Language Proficiency Assessment System (TELPAS)

Testing

A student may earn a performance acknowledgement on the student's diploma and transcript for outstanding performance on a College Board advanced placement test or International Baccalaureate exam by earning:

- A score of 3 or above on a College Board advanced placement exam
- A score of 4 or above on an International Baccalaureate exam

A student may earn a performance acknowledgement on the student's diploma and transcript for outstanding performance on the PSAT, the ACT-PLAN, the SAT and the ACT by:

- Earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student as a commended scholar or higher

- Achieving the college readiness benchmark score on at least 2 of the 4 subject tests on the ACT-PLAN exam
- Earning a combined critical reading and mathematics score of at least 1250 on the SAT
- Earning a composite score on the ACT exam of 28 (excluding the writing subscore)

Certifications

A student may earn a performance acknowledgement on the student's diploma and transcript for earning a nationally or internationally recognized business or industry certification or license with:

- Performance on an exam or series of exams sufficient to obtain nationally or internationally recognized business or industry certification

OR

- Performance on an exam sufficient to obtain a government required credential to practice a profession

Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skill standards promoted by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:

- A national or international business, industry, or professional organization
- A state agency or other government entity
- A state-based industry association

Certifications or licensees for Performance Acknowledgements shall:

- Be appropriate for high school students
- Represent a student's substantial course of study and/or end-of-program knowledge and skills
- Include an industry recognized exam or series of exams, an industry validated skill test, or demonstrated proficiency through supervised field experience
- Represent substantial knowledge and multiple skills needed for successful entry into a high skill occupation

COLLEGE READINESS

Each school district in partnership with at least one Institute of Higher Education (IHE), is to develop and provide courses in college preparation for mathematics and English language arts for 12th grade students who do not meet the college readiness standards.

PERSONAL GRADUATION PLANS

Each high school principal must designate a school counselor or school administrator to review personal graduation plan options with each student entering grade 9 together with the student's parent or guardian.

The personal graduation plan options reviewed must include the distinguished level of achievement and the endorsements.

Before the conclusion of the school year, the student and the student's parent/guardian must confirm and sign a personal graduation plan for the student.

A high school personal graduation plan must identify a course of study that:

- Promotes college and workforce readiness and career placement and advancement

AND

- Facilitates the student's transition from secondary to post secondary education

A student may amend the student's personal graduation plan after the initial confirmation of the plan.

If a student amends his or her personal graduation plan, the school must send written notice to the student's parent/guardian regarding the change.

COUNSELING REGARDING POSTSECONDARY READINESS

High school counselors must annually provide information about postsecondary education, including advantages of earning an endorsement, performance acknowledgement, and distinguished level of achievement to the student and parent.

- The importance of postsecondary education
- The advantage of earning an endorsement and a performance acknowledgement and completing the distinguished level of achievement
- The disadvantage of taking courses to prepare for a high school equivalency exam relative to the benefits of taking courses leading to a high school diploma
- Financial aid eligibility
- Instruction on how to apply for federal financial aid
- The center for financial aid information
- The automatic admission of certain students to general academic teaching

- The eligibility and academic performance requirements for the Texas Grant
- The availability of programs in the district under which a student may earn college credit, including advanced placement programs, dual credit programs and joint high school

HIGHER EDUCATION

Notice must be provided to parents and students regarding automatic admission to Institutions of Higher Education and financial aid:

- Timeline: entering freshmen, and again eligible (top 10%) for juniors and seniors
- Texas Education Agency will develop forms to be used by the district
- Form must be signed by student and parent (and the form for entering freshmen) must be signed by counselor as well
- Counselor and senior advisor must explain automatic admission requirements to eligible students

NOTICE

Students enrolled in high school prior to 2014-2015 will have the choice to complete their current (MHSP, RHSP, or DAP) graduation program or to transition to the new foundation high school program.

Side-by-Side Comparison: Graduation Program Options to be Implemented Beginning in 2014-2015

Discipline	Foundation HSP	*MHSP	*RHSP	*DAP
English Language Arts	Four credits: <ul style="list-style-type: none"> English I English II English III An advanced English course 	Four credits: <ul style="list-style-type: none"> English I English II English III English IV or approved alternate course 	Four credits: <ul style="list-style-type: none"> English I English II English III English IV 	Four credits: <ul style="list-style-type: none"> English I English II English III English IV
Mathematics	Three credits: <ul style="list-style-type: none"> Algebra I Geometry An advanced math course 	Three credits: <ul style="list-style-type: none"> Algebra I Geometry SBOE approved math course 	Four credits: <ul style="list-style-type: none"> Algebra I Algebra II Geometry An additional math credit 	Four credits: <ul style="list-style-type: none"> Algebra I Algebra II Geometry An additional math credit
Science	Three credits: <ul style="list-style-type: none"> Biology IPC or an advanced science course An advanced science course 	Two credits: <ul style="list-style-type: none"> Biology IPC or Chemistry and Physics (one of the two serves as an academic elective) 	Four credits: <ul style="list-style-type: none"> Biology Chemistry Physics An additional science credit 	Four credits: <ul style="list-style-type: none"> Biology Chemistry Physics An additional science credit
Social Studies	Three credits <ul style="list-style-type: none"> U.S. History U.S. Government (one-half credit) Economics (one-half credit) World History or World Geography 	Three credits: <ul style="list-style-type: none"> U.S. History (one credit) U.S. Government (one-half credit) Economics (one-half credit) World History (one credit) or World Geography (one credit) 	Four credits: <ul style="list-style-type: none"> U.S. History (one credit) U.S. Government (one-half credit) Economics (one-half credit) World History (one credit) World Geography (one credit) 	Four credits: <ul style="list-style-type: none"> U.S. History (one credit) U.S. Government (one-half credit) Economics (one-half credit) World History (one credit) World Geography (one credit)
Physical Education	One credit	One credit	One credit	One credit
Languages Other Than English	Two credits in the same language Two credits from Computer Science I, II, and III (other substitutions)	None	Two credits in the same language	Three credits in the same language
Fine Arts	One credit	One credit	One credit	One credit
Speech	Demonstrated proficiency in speech skills	One-half credit from either of the following: <ul style="list-style-type: none"> Communication Applications Professional Communications (CTE) 	One-half credit from either of the following: <ul style="list-style-type: none"> Communication Applications Professional Communications (CTE) 	One-half credit from either of the following: <ul style="list-style-type: none"> Communication Applications Professional Communications (CTE)
Electives	Five credits	Seven and one half credits (one must be an academic elective)	Five and one-half credits	Four and one-half credits
Total Credits	22	22	26	26

* Only available for students who entered grade 9 before the 2014-2015 school year

Side-by-Side Comparison: Graduation Program Options to be Implemented Beginning in 2014-2015

Endorsements	A student may earn an endorsement by successfully completing
	<ul style="list-style-type: none"> curriculum requirements for the endorsement a total of four credits in mathematics a total of four credits in science two additional elective credits
STEM	<p>A coherent sequence or series of courses selected from one of the following:</p> <ul style="list-style-type: none"> CTE courses with a final course from the STEM career cluster Computer science Mathematics Science A combination of no more than two of the categories listed above
Business and Industry	<p>A coherent sequence or series of courses selected from one of the following:</p> <ul style="list-style-type: none"> CTE courses with a final course from the Agriculture, Food, & Natural Resources; Architecture & Construction; Arts, Audio/Video, Technology & Communications; Business Management & Administration; Finance; Hospitality & Tourism; Information Technology; Manufacturing; Marketing; Transportation, or Distribution & Logistics CTE career cluster The following English electives: public speaking, debate, advanced broadcast journalism including newspaper and yearbook Technology applications A combination of credits from the categories listed above
Public Services	<p>A coherent sequence or series of courses selected from one of the following:</p> <ul style="list-style-type: none"> CTE courses with a final course from the Education & Training; Government & Public Administration; Health Science, Human Services; or Law, Public Safety, Corrections, and Security career cluster JROTC
Arts and Humanities	<p>A coherent sequence or series of courses selected from one of the following:</p> <ul style="list-style-type: none"> Social studies The same language in Languages Other Than English Two levels in each of two language in Languages Other Than English American Sign Language (ASL) Courses from one or two categories (art, dance, music, and theater) in fine arts English electives that are not part of Business and Industry
Multidisciplinary Studies	<p>A coherent sequence or series of courses selected from one of the following:</p> <ul style="list-style-type: none"> Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence Four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics Four credits in AP, IB, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts
Total Credits w/endorsement - 26	
Distinguished Level of Achievement	<ul style="list-style-type: none"> A total of four credits in math, including credit in Algebra II A total of four credits in science Completion of curriculum requirements for at least one endorsement
Performance Acknowledgments	<ul style="list-style-type: none"> For outstanding performance <ul style="list-style-type: none"> in a dual credit course in bilingualism and biliteracy on an AP test or IB exam on the PSAT, the ACT-Plan, the SAT, or the ACT For earning a nationally or internationally recognized business or industry certification or license

Alvarado High School 4 year Personal Graduation Plan

Your 4 year Personal Graduation Plan (PGP) is intended to give you and your parent(s) a guide to use as you progress through high school. You will need to review your PGP every year to ensure you are fulfilling graduation requirements. Academic choices and endorsements should be selected based on post high school and future career plans.		Credit Requirements <table border="1"> <thead> <tr> <th>Subject</th> <th>Foundation</th> <th>Distinguished Level of Achievement</th> </tr> </thead> <tbody> <tr> <td>English</td> <td>4</td> <td>4</td> </tr> <tr> <td>Math</td> <td>3</td> <td>4</td> </tr> <tr> <td>Science</td> <td>3</td> <td>4</td> </tr> <tr> <td>Social Studies</td> <td>3</td> <td>3</td> </tr> <tr> <td>Foreign Language</td> <td>2</td> <td>2</td> </tr> <tr> <td>Fine Arts</td> <td>1</td> <td>1</td> </tr> <tr> <td>P.E.</td> <td>1</td> <td>1</td> </tr> <tr> <td>Electives</td> <td>9</td> <td>7</td> </tr> <tr> <td>Total</td> <td>26</td> <td>26</td> </tr> </tbody> </table>		Subject	Foundation	Distinguished Level of Achievement	English	4	4	Math	3	4	Science	3	4	Social Studies	3	3	Foreign Language	2	2	Fine Arts	1	1	P.E.	1	1	Electives	9	7	Total	26	26	PERFORMANCE ACKNOWLEDGMENT: <ul style="list-style-type: none"> o 12 hrs of college w/ 3.0 ↑ o 3 credits F.Lang above 80 o 3 or higher on an AP test o Commended scholar or ↑ on the PSAT/NMSQT test o 1250 verbal & math on SAT/28 composite on ACT o Certification for OSHA , & Vet Technician (govt, buss, or industry certification)
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Endorsement: ___STEM ___Business & Industry ___Arts & Humanities ___Public Services ___Multidisciplinary Studies		Post High School Plan: ___4 yr University ___2 yr college ___Technical Training ___Military ___Employment																																
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English <ul style="list-style-type: none"> o English 1 o English 2 o English 3 o Adv. English _____ Math <ul style="list-style-type: none"> o Algebra 1 o Geometry o Algebra II o Adv. Math _____ o Adv. Math _____ Science <ul style="list-style-type: none"> o Biology o IPC o Chemistry o Physics o Adv. Science _____ 		Social Studies <ul style="list-style-type: none"> o US History o World History o World Geography o Government (1/2 credit) o Economics (1/2 credit) Fine Arts <ul style="list-style-type: none"> o _____ Foreign Language <ul style="list-style-type: none"> o _____ o _____ o _____ P.E. <ul style="list-style-type: none"> o _____ Electives <ul style="list-style-type: none"> o _____ o _____ o _____ o _____ o _____ o _____ o _____ o _____ o _____ o _____ 																																
STAAR EOC Checklist <ul style="list-style-type: none"> o ELA 1 Date: _____ o Algebra 1 Date: _____ o Biology Date: _____ o US History Date: _____ o ELA 2 Date: _____ 		9th Grade <ul style="list-style-type: none"> English – English 1 Math - _____ Science - Biology Social Studies – US History Elective 1- _____ Elective 2- _____ Elective 3- _____ Notes: _____ _____ _____ 																																
		11th Grade <ul style="list-style-type: none"> English – English 3 Math - _____ Science - _____ Social Studies - _____ Elective 1- _____ Elective 2- _____ Elective 3- _____ Elective 4- _____ Elective 5- _____ 																																
		10th grade <ul style="list-style-type: none"> English – English 2 Math - _____ Science - _____ Social Studies - _____ Elective 1- _____ Elective 2- _____ Elective 3- _____ Elective 4- _____ Elective 5- _____ 																																
		12th Grade <ul style="list-style-type: none"> English - _____ Math - _____ Science - _____ Social Studies - _____ Elective 1- _____ Elective 2- _____ Elective 3- _____ Elective 4- _____ Elective 5- _____ 																																

<p><u>STEM</u></p> <p>2 additional math credits that Alg2 is a prerequisite</p> <p>○ _____</p> <p>○ _____</p> <p>OR</p> <p>4 additional science credits after Biology including</p> <p>○ Chemistry</p> <p>○ Physics</p> <p>○ _____</p> <p>○ _____</p> <p>OR</p> <p><u>ARCHITECTURE</u></p> <p>○ Prin of Arch & Const</p> <p>○ Concepts of Eng & Design</p> <p>○ Eng Design & Presentation</p> <p>○ Adv Eng Design & Presentation</p>	<p><u>ARTS AND HUMANITIES</u></p> <p>○ Add. Math Credit _____</p> <p>○ Add. Science Credit _____</p> <p>AND</p> <p>○ World Geography</p> <p>OR</p> <p>○ Spanish 1, 2, 3 and 4</p> <p>○ French 1, 2, 3 and 4</p> <p>OR</p> <p>○ Spanish 1, 2</p> <p>○ French 1, 2</p> <p>OR</p> <p>Four Consecutive years of one of the following: Band/Choir/Dance/Art/Theater Art/Technical Art/ Theatre Production</p>	<p><u>BUSINESS & INDUSTRY</u></p> <p>○ Add. Math Credit _____</p> <p>○ Add. Science Credit _____</p> <p>AND</p> <p><u>AGRICULTURE</u></p> <p>▪ Prin of Ag</p> <p>○ Sm An Sci & Livestock</p> <p>○ Vet Med</p> <p>○ Practicum or Elective</p> <p><input type="checkbox"/> Ag Mechanics</p> <p><input type="checkbox"/> Ag Facilities</p> <p><input type="checkbox"/> Ag Power or Welding</p> <p>OR</p> <p><u>BUSINESS</u></p> <p>○ Prin of Business / Buss Law/Human Resource</p> <p>○ BIM 1</p> <p>○ BIM 2 or Practicum</p> <p>OR</p> <p><u>FAMILY CONSUMER SCIENCES</u></p> <p>○ Prin of Hosp/Prin Of Hum Service</p> <p>○ Restaurant Management / Travel and Touris</p> <p>○ Culinary Arts</p> <p>○ Hospitality Serv or Practicum</p> <p>OR</p> <p><u>ART, A V TECHNOLOGY & COMMUNICATIONS</u></p> <p>○ Prin of Art, AV Tech & Comm</p> <p>○ Audio Video Production</p> <p>○ Advanced Audio Video Production</p> <p>○ Practicum or Elective</p> <p><input type="checkbox"/> Prin of Art, AV Tech & Comm</p> <p><input type="checkbox"/> Graphic Design</p> <p><input type="checkbox"/> Adv Graphic Design</p> <p><input type="checkbox"/> Practicum or Elective</p>
<p><u>PUBLIC SERVICE</u></p> <p>○ Add. Math Credit _____</p> <p>○ Add. Science Credit _____</p> <p>AND</p> <p><u>HEALTH SCIENCE</u></p> <p>○ Prin of Health Sci/Medical Terminology</p> <p>○ Health Science</p> <p>○ Practicum or A&P</p> <p>OR</p> <p><u>FAMILY CONSUMER SCIENCES</u></p> <p>○ Prin of Hum Service/ Prin of Hosp</p> <p>○ Child Dev / Lifetime Nutrition</p> <p>○ Child Guidance</p> <p>○ Practicum or Elective</p> <p>OR</p> <p>JROTC 1, 2, 3 and 4</p>	<p><u>MULTIDISCIPLINARY</u></p> <p>○ Add. Math Credit _____</p> <p>AND</p> <p>Science Credit – with Chemistry and Physics</p> <p>○ Add. Science Credit _____</p> <p>OR 4 of the following:</p> <p>○ AP Calculus (as additional math credit)</p> <p>○ AP Gov & AP Eco</p> <p>○ AP English 3 or 4</p> <p>○ AP Env Science (as additional science credit)</p> <p>OR</p> <p>4 Advanced Courses for post secondary/workforce</p> <p>○ _____</p> <p>○ _____</p> <p>○ _____</p> <p>○ _____</p>	

ADMISSION

A student enrolling in the district for the first time should be accompanied by parent(s) and should provide satisfactory evidence of required immunization. To complete admission, the following demographic information is vital: birth certificate, social security number, home address (mailing and physical), proof of residence within the district, home phone, father's name, place of business and work phone, mother's name, place of business and work phone, and a friend or relative's phone number in case of emergency. The student will also need to provide the following academic records: student achievement information, exit level TAKS or most recent TAKS scores, and withdrawal form from previous school including withdrawal grades.

GRADE CLASSIFICATION

Students are classified according to the number of credits they have earned. Reclassifications are made only at the beginning of each school year. Required classification credits are listed below:

SOPHOMORE	6
JUNIOR	13
SENIOR	18

SUBJECT LOAD FOR STUDENTS

8 Period Class Schedule

Students in grades 9, 10, 11 will be required to enroll in seven academic classes per day each semester. **An eighth class for Home-room/PowWow is built into the schedule as a class period.**

Students in grade 12 will be required to enroll in seven classes (including PowWow) per day each semester. Seniors who have accumulated the appropriate courses for graduation may be dismissed after seventh period class. A Period is a 50-minute class period. A semester is half of the school year. A semester class will award the student a 1/2 credit. Two semester classes make up a year term and will replace the one credit given by a full year/one credit course.

SCHEDULE CHANGE POLICY

Alvarado High School strives to provide the highest quality education while working to be responsive to students' needs. The participation and commitment of parents and students during registration and scheduling is a major component in reaching this goal. We ask for your help. Master schedules are developed at the beginning of the summer. Selections during registration indicate how many teachers and sections will be needed for a course. The process allows administrators to hire and to plan for optimum academic strength. When students are permitted to randomly change schedules, classes become overcrowded. As a result, all students are affected. Even the most effective planning is compromised. Very seldom does a one-course change affect only one course. Careful selections benefit everyone. Thank you for being a crucial part of our educational team as we work together for academic excellence. Registration and scheduling procedures are as follows:

- 1) Course guide and course selections sheet are sent home to be discussed.
- 2) Students will be guided through course selections for registration. Four year plans will be used for review.
- 3) Students should sign up to see a counselor to help answer questions.
- 4) Students will turn in course request sheet signed by parent for pre-registration in the spring.
- 5) Students will be sent a list of course requests with an Add/Drop request during the summer. Students will need to return any changes to their schedule requests by the end of June. Please check the transcripts to make sure that credit has not already been given in a class that is requested.
- 6) Yearly schedules will be passed out the week before school. Students may come up to get an early copy of their schedule and make schedule changes. Date and time will be announced.
- 7) Students will be given a copy of their schedule the first day of school. Any discrepancies due to credits and computer errors will need to be addressed the first week of school. Students need to get a schedule change request form from the counseling center and turn it in. The counselors will call students in to address their change as soon as possible. Students need to address the second term classes at this time also.
- 8) If there is a parent or teacher concern about a schedule that is not addressed above, we will need to have a committee meeting involving the teacher, parent, student and an administrator to address the concern. This committee will decide whether a schedule change is in the best interest of the child. Schedule changes for the second term classes will be handled in this manner unless credit is needed for a certain course that has been failed previously.
- 9) A teacher may request that a student change schedules to another teacher if he or she has already had the student in the course.
- 10) All schedule changes will be denied after three weeks due to credit loss.

ASSURANCE OF NONDISCRIMINATION

No student shall be denied the right to participate in any school program because of the student's race, religion, color, sex, or national origin. The district complies with Title VI, Title IX, and Section 504, dealing with rights of the handicapped. All complaints shall be handled through established channels and procedures beginning with the building principal, followed by appeal to the Director of Instruction, the Superintendent, and finally the Board of Trustees.

ACADEMICALLY GIFTED AND TALENTED PROGRAM

Alvarado High School provides curriculum offerings for students with special talents and abilities. The High School Counselor aids these students in assessing their strengths and weaknesses and in determining their goals as they select their courses each year. Qualifying for gifted and talented courses is based on past performance, teacher recommendation, and parental and principal approval. Students who qualify are encouraged to enroll in more advanced math, English, social studies, and science, and to begin foreign language at 9th grade. The AP courses offered at Alvarado High School seek to provide the more academically talented students with opportunities for creative thinking and problem solving. The goal of the AP program is to challenge and stimulate the students to the highest level of their abilities. Consequently, quality of work rather than quantity of work is emphasized.

CAREER TECHNOLOGY PROGRAM

Vocational education provides instruction in the technical, practical, and leadership skills needed for entry level jobs in business and industry. Various types of programs are offered: pre-employment (shop/laboratory) classes, practicum (on-the-job training classes), and courses in home economics, agriculture, and technology systems and business. Participation in vocational programs, accompanied by a careful selection of appropriate electives will prepare students for immediate employment upon graduation and/or entry to most technical schools, colleges, and universities. Students are encouraged to take three courses following the same pathway. See more information on the new CTE programs in this course guide.

SPECIAL EDUCATION PROGRAM

Special education services are available on the high school campus. Students attend classes in the Special Education resource room as designed by the student's Individual Educational Plan. Emphasis in these classes is placed upon recommendation of learning deficits, teaching functional academic skills, and promoting the development of social, pre-vocational, and vocational skills that insure successful integration into the community and the world of work.

A graduation plan is developed through the Admission, Review, and Dismissal committee for each student receiving special education services. Courses in English and Math are available to those students earning credits toward graduation in regular academic and/or vocational education. Students who benefit from a curriculum which emphasizes functional academics, everyday living skills and vocational competencies earn credit toward graduation in the Personal Skills program.

Students who are receiving special education services are encouraged to participate to the fullest extent possible in both the academic and extra-curricular activities offered at the high school level. All handicapped students are provided the opportunity to enroll in any program or course offered with the Alvarado Public Schools.

USING GUIDANCE SERVICES

The Guidance Department is an integral part of the overall school program. Counselors communicate with parents, teachers, administrators and other appropriate school personnel in contributing to the overall development of each individual student. Counselors maintain current course information and referral sources to share with parents and students as needed. Counselors are available on school days to assist students in the following areas:

1. To increase self-esteem and personal satisfaction through individual or group counseling;
2. To focus on self-development and decision making;
3. To reach their full academic potential;
4. To determine course selections based on individual strengths and weakness; and
5. To develop post-secondary plans (i.e. college, work, military, etc.).

Please call and make an appointment with the AHS Counseling Center. Counselors are available most of the time but in order to ensure that you are given the proper amount of time and attention, it is best to call ahead.

ALTERNATIVE METHODS OF EARNING CREDIT

The State Board of Education has proposed different methods by which a student may earn credit. These methods have been endorsed by the local Board of Trustees and are available by contacting the Counseling Office.

CREDIT BY EXAMINATION

One type of Credit by exam is designed as an option to earn credit for those students who have PREVIOUSLY failed a course. Students who have had excessive absences in the class are NOT eligible for Credit by Exam unless with the approval of an Attendance Review Committee. Applications can be obtained and approved in the Counseling Office. Fees are established by the Universities and remain the responsibility of the student. CREDIT WILL NOT SATISFY EXTRACURRICULAR ELIGIBILITY.

The second type of Credit by Exam is an EXAM FOR ACCELERATION. In this case, the student must not have had prior instruction in the course and wants to obtain credit without instruction. Students will have to pay the fees for these exams. Students must score at least 90% on these exams in order to be given credit. Students should consult with a counselor before ordering the exams for acceleration.

SUMMER SCHOOL

AHS may offer summer school. Students should contact the Assistant Principals at the end of the year for more information. Credit from other schools will be accepted up to three credits with verification of the credit on official school documentation. Students will be responsible for taking the correct courses for credit and making sure that the AHS Counseling Center has verification of the summer school grade and credit.

CORRESPONDENCE COURSES

Students are eligible to earn a maximum of three (3) credits toward graduation through correspondence courses. State approved courses are offered by Texas Tech and UT Austin. Students may apply through the Counseling Office. Fees and textbooks are the responsibility of the students. Self-discipline to complete the lessons and take the final exam within a time frame are important when considering this option.

Note: Only three credits will be allowed from a combination of either summer school and/or correspondence courses.

NCAA REQUIREMENTS FOR ATHLETICS ACADEMIC ELIGIBILITY

Students who play their freshman year at an NCAA Division I or Division II college must satisfy the requirements of NCAA by-laws; therefore, students who are interested in pursuing an athletic scholarship at an NCAA school beyond high school need to be aware of specific curriculum requirements (must be on recommended graduation plan). Students should consult their counselors for further information. The student may want to submit a NCAA Clearinghouse form to be eligible for consideration.

COLLEGE ENTRANCE INFORMATION

A student planning to go to college needs to begin as early as possible to become familiar with college entrance requirements and to include as many units of English, Mathematics, Science, Social Studies, and Foreign Language as possible. College entrance requirements and scholarship criteria vary, and some do not accept credits in basic level courses. Most colleges and universities also require one of two major entrance exams: the American College Testing program (ACT) and/or the Scholastic Aptitude Test (SAT).

To help students in their college preparation, the Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PAST/NMSQT) is given early in the junior year. The PSAT portion of this test can be of assistance to students when planning for college. The NMSQT portion is the only way students can compete for National Merit Scholarships or for scholarships given by many companies and associations.

A number of forms for financial aid are available to students entering college:

1. Scholarship or grant-in-aid;
2. Loan;
3. Work-study or co-op programs; and
4. Part-time employment.

The Counseling Office provides booklets and computer programs containing helpful information about colleges and universities. A student needing financial aid to attend college should contact his or her high school counselor and the office of financial aid at the college or university he or she plans to attend. Also, the student will need to contact the college or university for housing, (usually handled separately from admission application). Since, in many cases, a room must be reserved long before application for admission is made, a student should consult college catalogs (in the Counseling Office) or make direct inquiries to the college during his or her junior year.

The difficulty of selecting the right college, taking the right test, making proper application for enrollment, securing financial aid if necessary, obtaining housing and, most important, planning the high school program to the student's best advantages takes close work between counselor, student, parent, and teacher. College entrance requires early and wise planning.

AHS will offer a college day for students and their parents. College officials representing most of the colleges and universities in Texas and many other from across the nation present up-to-date information on their institutions. Further information about these programs may be obtained from the counselors.

Texas Higher Education Program (THEA / formerly TASP)

The Texas Legislature passed a bill requiring students entering any Texas public community college or university in the fall of 1989 or later to take the THEA Test prior to entering college. Further information about this program may be obtained from the counselors or from the colleges.

Exemptions from THEA:

ACT: A composite score of 23 with a minimum of 19 on both the English and Mathematics test.

SAT: A combined score of 1070 with 500 minimum on both the verbal and mathematics test.

TAKS: A minimum score of 2200 on the ELA test with a score of 3 or higher on the essay. Also a 2200 minimum score on the Math test is needed. The TAKS score sheets that are sent home will show a note of “Met THECB Standard for Higher Education Readiness” on the section of the test that the student is exempt.

Students may pick up an information booklet on THEA in the counseling center. Students need to contact a local community college to ask about test dates or the computer version of the THEA test. Students taking dual credit classes with Hill College and AHS need to meet the THEA guidelines before enrolling with Hill College. Please take care of any testing requirements needed during the summer before enrolling with Hill. Most colleges offer the Accuplacer, which is a computer version of the THEA test. For a slightly higher fee, this test provides immediate results. *EOC exemptions will be determined at a later date.*

Texas Assessment of Knowledge and Skills (TAKS) Exit Level Test

(TAKS will be offered for those students who entered ninth grade in 2010 or earlier and need it as their graduation requirement.)

As a result of House Bill 72, legislation was passed during the Seventy-first Session of the Texas Legislature requiring satisfactory performance on the Texas Assessment of Knowledge and Skills (TAKS) exit level test on mathematics, social studies, science, reading, and writing (English Language Arts for 10th and 11th grade) for students to receive a high school diploma. Each spring, the TAKS test will be administered to tenth and eleventh grade students. Students who do not perform satisfactory on all sections of the test their eleventh grade year will have opportunities in their twelfth grade year to pass all sections of the test. The eleventh grade TAKS test is the exit level test to meet the high school graduation requirements for the state of Texas. High school diplomas must be withheld from those students who have not demonstrated satisfactory performance on all sections of the TAKS test by the end of their twelfth grade year. Students who have been denied diplomas may continue to take exit level TAKS test at designated testing times although they may no longer be in school. Registration packets for out-of-school students can be picked up in the Counseling Office. Those who then demonstrate satisfactory performance on all sections of the test will be issued a high school diploma at that time.

State of Texas Assessments of Academic Readiness (STAAR)/End of Course (EOC) Exams

Students first entering ninth grade in the 2011–2012 school year will notice the biggest difference in the new testing program. With the new STAAR program, the exit-level tests will be replaced with 12 end-of-course (EOC) assessments, which students will take as they complete the corresponding course. The 12 EOC assessments are: English I, English II, English III, Algebra I, Geometry, Algebra II, Biology, Chemistry, Physics, World Geography, World History, and U.S. History. If a student is enrolled in grade 8 or below and is taking a course for which there is a STAAR EOC assessment, that student will be required to take the applicable STAAR EOC test. For example, an eighth grade student enrolled in Algebra I will take the STAAR Algebra I EOC, as well as the grade 8 reading, science, and social studies assessments. Local school district policy will determine whether this student will also take the STAAR grade 8 mathematics assessment. The Texas Education Agency is still working on guidelines and requirements for graduation.

Advanced Placement Program

These courses will be taught at a college freshmen level, and students will receive honors credit for successful completion of the course requirements. All courses will be taught according to Advanced Placement guidelines.

The prerequisites for each course will be the same as for honors courses. Students may enroll by receiving teacher approval. Additional guidelines for AP will be handed out at time of scheduling and at the beginning of the course. Students and parents need to check the guidelines for the requirements of entrance and exiting the AP courses. Students selected for enrollment will be advised during spring registration. Final acceptance will be confirmed at schedule pickup. All students enrolled will be encouraged to take the Advanced Placement Test, administered on a specific date and hour during the second or third week of May. Each test is designed and will be scored by the Educational Testing Service and will cost the student approximately \$56.00. Textbooks and other materials will be an additional cost for the student. Students must be committed to the required time needed for the college level studies. It is strongly recommended that students not be employed on a regular basis. AP Classes available include:

English:

English III

English IV

Math:

Calculus

Science:

AP Environmental Science

AP Physics

Social Studies:

Government

Economics

Dual/Honor Classes are offered in English, Math, Social Studies, and other electives.

Pre AP Classes

These courses are required to help the students prepare for future Advanced Placement classes and should be taken as a prerequisite. They are honors classes and will give the students a weighted semester grade. A Pre AP class will require a commitment of time, study, effort, and participation above a standard grade level course. The skills and knowledge will transfer into excellent preparation for advanced and college level courses. All courses will be taught according to the Pre AP guidelines. Students may enroll by meeting a minimum grade requirement as well as current and Pre-Ap teacher approvals. Additional guidelines for Pre AP will be handed out at time of scheduling and at the beginning of the course.

Courses for Class Rank

Regular Courses:

All courses not designated advanced will be considered as regular.

Advanced Courses:

Courses designated as pre-advanced placement, gifted and talented, advanced placement, and dual college credit are considered as honors classes. These classes will be weighted with ten points given to the grade to be used for GPA and ranking.

Courses not counted for GPA:

1. No more than two credits will be used for athletics/P.E.
2. Local credit / audited classes

Rank in Class:

1. Students shall be preliminarily ranked at the end of the fifth six weeks for college admission purposes.
2. Students shall be officially ranked after the last semester of their senior year.

Early Graduation

Those students who will fulfill their credit and testing requirements by the end of their junior year may be considered for early graduation. Students who are considering this will need to make a declaration of their intent by the beginning of their sophomore year (August – September). This will allow for counselors to be able to include the student with the new graduating class for ranking and honors. A student may only receive three credits from either summer school or correspondence, as stated previously, to help them reach their credit requirements. Students must also pass all parts of the TAKS test for the state graduation requirement and will have fewer chances to participate in the test. There may be other special considerations that will have to be approved by the principal for early graduation, but these students will be denied for honors ranking with the new graduating class.

GIFTED AND TALENTED PROGRAM

Core Curriculum Options for Gifted and Talented Students:

9th grade

Pre AP English I
Pre AP Geometry or Algebra I
Pre AP Biology
Pre AP U.S. History

10th grade

Pre AP English II
Pre AP Algebra II or Pre AP Geometry
Pre AP Chemistry
Pre AP World History

11th grade

AP English or Dual English III
Pre AP Physics
Pre AP Algebra II or Pre AP Calculus
Pre AP World Geography
Independent Study / College Preparation (See Description Following)

12th grade

AP English or Dual English IV
Pre AP or AP Calculus
Anatomy and Physiology, AP Environmental Science or AP Physics
AP Government / AP Economics
Mentorship (See Description Following)

Additional Gifted and Talented Options Independent Study

This component of the Gifted and Talented Program allows students to explore their interests. It is taken along with Career / College Preparation. The students are allowed to select their own topics and to choose between a variety of options that will allow them to develop a professional quality project which could be used toward the Distinguished Achievement Program.

Grade Placement: 11-12

Prerequisite: Minimum of (4) Pre AP, AP or Dual Credit classes and teacher approval

Career / College Preparation

This portion of the Gifted and Talented Program is completed along with the Independent Study and provides the opportunity for students to begin making connections with professionals that are potential mentors. It allows students to contact colleges, review and practice completing application for admission as well as scholarships, and work on SAT preparation. Students will complete a course by choosing a method to present his/her findings in a professional manner. Depending on the topic, this project could be used toward the Distinguished Achievement Program.

Grade Placement: 11-12

Prerequisite: Minimum of (4) Pre AP, AP or Dual Credit classes and teacher approval

Mentorship

The mentorship program of Alvarado ISD provides an extended professional relationship between a community member and a student. The purpose of the arrangement is to allow the student to gain first-hand experience of a particular career of interest to him/her. This model offers focused career preparation that assists the student in determining if he or she wishes to pursue the profession in later years. Students will complete their mentorship by choosing a method to present his/her experience in a professional manner. Depending on the topic and method, this project could be used toward the Distinguished Academic Program.

Grade Placement: 12

Prerequisite: Minimum of (6) Pre AP, AP or Dual Credit classes and teacher approval

Distinguished Achievement Program *(For those on the old Distinguished program and not the new HB 5 program.)*

Alvarado ISD encourages all of its Gifted and Talented students to strive for excellence in pursuing the Distinguished Achievement Program option. The Distinguished Achievement Program includes a combination of four of the following in addition to the specific credits listed for graduation: (a) a score of 3 or higher on an advanced placement examination; (b) a grade point average of 3.0 (80 on a 100 point scale) or higher on courses that count for college credit; (c) products of professional quality as judged by a panel of professionals in the field that is the focus of the project; (d) original research/project conducted under the direction of mentor(s) and reported to an appropriated audience; (e) a score on the PSAT that qualifies a student as a commended scholar or higher. EOC requirements will apply for incoming freshmen.

English (Pre AP Eng. 1-2, AP Eng. 3-4)	4 credits
Math (Pre AP Alg. 1, Pre AP Geo., Pre AP Alg. 2, Pre Ap Cal)	4 credits
Science (PreAP Biology, PreAP Chemistry, PreAP Physics, A&P or AP Env. Sci, or AP Physics).....	4 credits
Pre AP United States History	1 credit
Pre AP World History.....	1 credit
Pre AP World Geography	1 credit
AP Government.....	1/2 credit
AP Economics.....	1/2 credit
Foreign Language (Same Language).....	3 credits
Physical Education or Band.....	1 credits
Technology Applications	1 credit
Professional Applications.....	1/2 credit
Fine Arts.....	1 credit
Electives (State Approved)	3 credits
Total (24 credits for 2010 seniors).....	26 credits

ACCELERATED EDUCATION ACADEMY

The AEA school is an alternative educational program designed to meet the academic needs of students who are at risk of dropping out and meet the state and district selection criteria. The courses available in the Accelerated Education Academy include regular core curriculum and specialized vocational courses. These students will be classified as a participant of the minimum academic program. Requires approval to enter program.

ENGLISH

ESL I and II

1 Credit Each

These courses provide listening, speaking, reading and writing activities from simple to complex in order to increase the students' comprehension and ability to express himself. Each course is for students with limited English skills. Maximum of 2 credits can be counted toward English requirements for graduation.

Grade Placement: 9-10

Prerequisite: LPAC decision

English I

1 Credit

This comprehensive course covers world literature examples of short stories, novels, nonfiction, poetry and drama. Emphasis is also placed on vocabulary growth, grammar mechanics and usage on the writing of compositions. Extensive practice is given in independent analysis of fictional novels.

Grade Placement: 9

Prerequisite: None

Pre AP English I

1 Credit

This course is an in-depth study of world literature with an emphasis on abstract and critical thinking. Extensive programs on expository and persuasive writing are utilized.

Grade Placement: 9

Prerequisite: Recommended for G/T students, minimum grade of 90 is required, passed TAKS, current (8th grade) reading and English teacher and high school PAP teacher approval

English II

1 Credit

This comprehensive course covers world literature according to literary types in fiction, nonfiction, poetry, drama in coordinates literature, composition, and grammar, stresses vocabulary mechanics and usage, and focuses on analysis of selected writings through oral and written discourse. Extensive practice is given in writing and research skills.

Grade Placement: 10

Prerequisite: English I

Pre AP English II

1 Credit

This course, an in-depth study of world literature with extensive programs in the study of vocabulary, grammar, composition, and emphasis on expository writing requiring abstract, analytical thinking, and research skills.

Grade Placement: 10

Prerequisite: Recommended for G/T students, minimum grade required, passed TAKS, current and PAP/AP teacher approval

*may require summer reading

English III

1 Credit

This course, a chronological survey of American Literature from the beginning of history in the United States through contemporary times, coordinates literature readings from historical documents, essays, dramas, short stories and novels of significant American writers. Research skills and persuasive writing are stressed.

Grade Placement: 11

Prerequisite: English II

AP English III

1 Credit

Through richer diversity of goals, methods, and subject matter, this course challenges honor students to complete preparatory work by intermixing units according to chronology, genre and theme in American literature, incorporating necessary components of grammar and utilizing those writing skills necessary to respond to literary works. Research skills are stressed.

Grade Placement: 11

Prerequisite: Recommended for G/T students, minimum grade required, passed TAKS, current and PAP/AP teacher approval

English IV

1 Credit

This course, a survey of British literature, integrates writing and language concepts and skills. This course includes intensive writing instruction which focuses on informative and persuasive writing. The course provides the critical thinking, reading, and writing skills necessary for college entrance.

Grade Placement: 12

Prerequisite: English III

AP English IV**1 Credit**

This course encompasses composition and British literature. This course provides in-depth practice in literary, speaking, writing, and grammar skills.

Grade Placement: 12

Prerequisite: Recommended for G/T students, minimum grade required, passed TAKS, current and PAP/AP teacher approval

Dual English III (College English 1301 and 1302)**1 Credit (Three college hours per semester)**

This course is an integrated study of multi-paragraphed writing and American literature studies by periods, including short stories, novels, poetry, dramas, and essays. The writing focus in this course will be literary criticism. Students enrolled in Dual English III have the opportunity to receive dual high school and college credit. Enrollment in Hill College required.

Grade Placement: 11

Prerequisite: PAP English II (with college admission)

Dual English IV (College English 2322 and 2323)**1 Credit (Three college hours per semester)**

An integrated study composition of various lengths and types of English literature by period, including short stories, novels, poetry, dramas, and essays. The writing focus in this course will be literary criticism. Students enrolled in Dual English IV have an opportunity to receive dual high school and college credit. Enrollment in Hill College required.

Grade Placement: 12

Prerequisite: Dual English III required (with college admission)

Independent Studies of Hebrew Scriptures/New Testament**1 Credit**

This is an elective course on the Hebrew Scriptures (Old Testament) and its impact and an elective course on the New Testament and its impact. The purpose of a course under this section is to: (1) teach students knowledge of biblical content, characters, poetry, and narratives that are prerequisites to understanding contemporary society and culture, including literature, art, music, mores, oratory, and public policy; and (2) familiarize students with, as applicable: (A) the contents of the Hebrew Scriptures or New Testament; (B) the history of the Hebrew Scriptures or New Testament; (C) the literary style and structure of the Hebrew Scriptures or New Testament; and (D) the influence of the Hebrew Scriptures or New Testament on law, history, government, literature, art, music, customs, morals, values, and culture. A student may not be required to use a specific translation as the sole text of the Hebrew Scriptures or New Testament and may use as the basic textbook a different translation of the Hebrew Scriptures or New Testament from that chosen by the board of trustees of the student's school district or the student's teacher. This course offered shall follow applicable law and all federal and state guidelines in maintaining religious neutrality and accommodating the diverse religious views, traditions, and perspectives of students in our school district. A course under this section shall not endorse, favor, or promote, or disfavor or show hostility toward, any particular religion or nonreligious faith or religious perspective. This course is not intended to violate any provision of the United States Constitution or federal law, the Texas Constitution or any state law, or any rules or guidelines provided by the United States Department of Education or the Texas Education Agency.

Grade Placement: 9-12

AVID - ADVANCEMENT VIA INDIVIDUAL DETERMINATION

AVID targets students in the academic middle - B, C and even D students - who have the desire to go to college and the willingness to work hard. These are students capable of completing rigorous curriculum but are falling short of their potential. Typically, they will be the first in their families to attend college, and many are from low-income or minority families. AVID pulls these students out of their unchallenging courses and puts them on the college track: acceleration instead of remediation.. Application, interview, and selection by committee required. Once admitted, student can remain in program for four years (or remainder of high school). Student will receive elective credit for taking the year-long course for each year. Mentoring services will be supplied and students are required to take one honors course.

AVID I - For 9th Grade Students**1 Credit****AVID II - For 10th Grade Students****1 Credit****AVID III - For 11th Grade Students****1 Credit****AVID IV - For 12th Grade Students****1 Credit**

SPEECH COMMUNICATIONS

Professional Communications

1/2 Credit

Professional Communications blends written, oral, and graphic communication in a career based environment. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. This course is strongly encouraged for students in CTE sequences. This course fulfills the graduation requirements for Communication Application.

Grade Placement: 9-12 *For any student taking CTE Course*

Communications Applications

1/2 Credit

Understanding and developing skills in oral communication are fundamental to all other learning and to all levels of human interaction. Students must understand concepts and processes involved in sending and receiving oral messages, evaluating, and using non-verbal communication, and listening for a variety of purposes. In speech communication, students develop communication competence and interpersonal, group, and relationships and function effectively in social, academic, and citizenship roles.

Grade Placement: 9-12 *For any student taking A+ Course*

Debate I, II, III

1 Credit

Controversial issues arise in aspects of personal, social, public and professional life in modern society. Debate and argumentation are widely used to make decisions and reduce conflict. Students who debate become interested in current issues, develop critical thinking skills and sharpen communication skills. Tournament work may be required.

Grade Placement: 9-12

Prerequisite: Must have instructor approval and have completed Communications Applications class.

Yearbook I

1 Credit

Yearbook Production I, includes the study of the role of advertising in publication cost, the preparation of ads, and practice in advertising sales. It also is a study of graphics, design and layout with emphasis on preparation of press-ready materials. Basic photography skills are addressed.

Grade Placement: 9-12

Prerequisite: 85 GPA or higher, and teacher approval

Yearbook II

1 Credit

This course is a continuation of Yearbook I with a more in depth study of the role of advertising in publication cost, the preparation of ads, practice in advertising sales, a study of graphics, design and layout with emphasis on preparation of press-ready materials. Emphasis on UIL competition and advanced photography.

Grade Placement: 11-12

Prerequisite: Yearbook I and teacher approval

Yearbook III

1 Credit

This course is a continuation of Yearbook II with a more in depth study of the role of advertising in publication cost, the preparation of ads, practice in advertising sales, a study of graphics, design and layout with emphasis on preparation of press-ready materials. Emphasis on UIL competition, leadership in a production environment and photo developing.

Grade Placement: Grade 12

Prerequisite: Yearbook II and teacher approval

FOREIGN LANGUAGE

French I

1 Credit

This introductory course sets the foundation for French II-IV. It is designed to develop the fundamental language skills of listening, speaking, reading, and writing. This course enables students to learn French pronunciation, acquire a vocabulary sufficient to carry on simple (novice level) conversations, ask questions and practice basic grammar patterns. Oral communication is emphasized throughout the course. The culture of France and French speaking countries is integrated into all aspects of the course. Requires students to perform at the novice level of language in both written and spoken language.

Grade Placement: 9-12

Prerequisite: Good English skills

French II

1 Credit

This course is a continuation of all material learned in French I. Students develop more complex grammar and writing skills with new vocabulary while building on the material learned in French I. French II continues to develop the fundamental skills of listening, reading, writing and speaking, and places more emphasis on speaking and communication. Students are expected to demonstrate a deeper understanding of the language and communicate at a higher level of proficiency than in first year. The study of French culture and civilization is also continued in French II.

Grade Placement 9-12

Prerequisite: French I

Pre AP French II

1 Credit

French II is a continuation and expansion of material learned in French I. Students develop a higher level of proficiency in the four fundamental skills of reading, writing, listening and especially in speaking. Students in French II Pre AP class are expected to have a more extensive knowledge of grammar structures and vocabulary, to use creative self-expression and a higher degree of oral participation. Various relevant cultural topics are discussed to be integrated into the course as well as the use of technology when applicable.

Outside projects, assignments and homework are required.

Grade Placement: 10-12

Prerequisite: 85 or higher in French I plus teacher approval

French III

1 Credit

This course continues to build on all material covered in French I and II as students develop their ability to perform at the intermediate level of a language learner. This course also stresses the importance of good communication skills and advanced grammar and writing skills. Students continue to study French culture with more emphasis on both written and oral projects and the use of technology when possible.

Grade Placement: 10-12

Prerequisite: French I and II

Pre AP French III

1 Credit (3 college hours per semester)

The emphasis of Pre AP French III is on the strengthening of the four fundamental language emphasis of skills learned in French I and French II with more emphasis on oral communication. The Pre AP French III student will read and discuss various cultural and literary selections. Students will use a more extensive vocabulary and extend that vocabulary use through writing and conversation. Outside projects, assignments and homework are required.

Grade Placement: 11-12

Prerequisite: Pre AP French II, 85 or higher in French II and teacher approval (college admission)

Pre AP French IV

1 Credit (3 college hours per semester)

This advanced course in the French language uses material from all three prior levels to help students perform at the intermediate high to advanced level of proficiency in writing, listening, reading and most importantly speaking as well as advanced grammar structures and vocabulary usage. Students are also introduced to some literary selections and a more advanced study of French culture, especially as it applies to literature. Outside projects, assignments and homework are required.

Grade Placement: 11-12

Prerequisite: French I-III (college admission)

Spanish I

1 Credit

This introductory course enables the student to learn Spanish pronunciation, to acquire a vocabulary sufficient for simple conversations, to practice structure patterns, specifically conjugations of regular verbs and some irregular verbs in the present tense, and to become aware of the Spanish culture. Requires performance at the novice level of language in written and spoken Spanish.

Grade Placement: 9-11

Prerequisite: Good English Skills

Spanish II**1 Credit**

This course is a continuation of all material covered in Spanish I as it introduces more complex grammar, verbs and vocabulary. It continues the emphasis in oral comprehension, improvement of conversational skills, identification of basic grammar patterns in written and spoken materials with special emphasis on learning / memorizing a large bank of useable verbs and vocabulary. It stresses communication in specific life situations.

Grade Placement: 10-12

Prerequisite: Spanish I

Pre AP Spanish II**1 Credit**

This course is a continuation and expansion of all material learned in the first level of Spanish. Much more emphasis is placed on speaking as well as oral comprehension. More complex tenses and grammar patterns are covered. Emphasis is given to longer written assignments. Vocabulary is also expanded from the first level. A higher level of oral and written mastery is required. Students continue to study about various Spanish speaking countries and cultural aspects of the language. Students are expected to demonstrate a higher level of comprehension and proficiency than first and second year. Outside projects and assignments as well as homework are required.

Grade Placement: 10-11

Prerequisite: Good foundation of Spanish grammar and vocabulary is required, 85 or higher in Pre AP Spanish I, teacher approval

Spanish III**1 Credit**

This course continues emphasis in oral comprehension, improvement of conversational skills, identification of basic grammar patterns in written and spoken materials, and stresses communication in specific and more varied life situations at a higher level of proficiency.

Grade Placement: 11-12

Prerequisite: Spanish I & II

Pre AP Spanish III**1 Credit**

Emphasis in this class will be an expansion of elements learned in first and second year Spanish, with increased emphasis on oral communication and the four fundamental language skills. Also, the students will read and discuss various cultural and literary selections. Students will use a more extensive vocabulary and will expand that vocabulary through writing and conversation. Speaking in the target language will be a primary goal of the class. Outside projects, assignments and homework are required elements in pre-AP language classes.

Grade Placement: 11-12

Prerequisite: Spanish 2 (pre-AP preferred), grade of 85 or higher, teacher recommendation and approval.

Spanish IV**1 Credit**

Students should perform at a more advanced level in grammar, listening, reading, vocabulary, writing and verbal communication skills. The goal of each student is to reach the Intermediate High and Advanced levels of proficiency.

Grade Placement: 12

Prerequisite: Spanish III

MATHEMATICS

Algebra I

1 Credit

Using as its foundation the study of the subsets of the real numbers the student has encountered in previous mathematics courses, Algebra I continues with a systematic development of the real numbers. Emphasis is on the application of mathematical concepts and techniques in problem solving, the concepts of relations and functions, and skills essential to the study of mathematics.

Grade Placement: 9-12

Pre AP Algebra I

1 Credit

A more rigorous study of the topics normally covered in Algebra I will be developed along with extensive problem solving. An emphasis will be placed on application of concepts and skills introduced in Algebra I. The study of rational and radical equations will also be included in the course of study.

Grade Placement: 9

Prerequisite: 90 or above in eighth grade math and teacher approval

Plane Geometry

1 Credit

This course includes a study of measurements, constructions, and terminology essential to geometry. It is designed to develop deductive thinking, and emphasizes problem solving by means of logical proofs and definitions. Relations, properties, and measurements of surfaces, lines and angles are investigated and used.

Grade Placement: 9-12

Prerequisite: Algebra I

Pre AP Geometry

1 Credit

This is designed for the very strong mathematics student. Basic content is the same as the regular Geometry course, but emphasis is upon the development of critical thinking skills and deriving geometric proofs. Applications of geometric concepts to problem solving is also stressed.

Grade Placement: 9

Prerequisite: Algebra I (recommended for G/T students and students who took Algebra I in junior high)

Mathematical Models with Applications

1 Credit

In Mathematical Models with Applications, 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 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 non-mathematical situations. This course can not be taken concurrently with Algebra 2.

Grade Placement: 11-12

Prerequisite: Algebra I and Geometry (not to be used as a math credit for the distinguished plan)

Algebra II

1 Credit

A continuation of the topics studied in Algebra I, this course will extend the development of the real number system and will include a study of the complex numbers as a mathematical system. Students will study the ideas of relations and functions and expand the concept of functions to include quadratic, exponential and logarithmic functions. Emphasis will also be placed on the analysis of conic concepts and the development of additional problem solving skills and applications.

Grade Placement: 11-12

Prerequisite: Algebra I and Geometry

Pre AP Algebra II

1 Credit

In addition to the material usually covered in Algebra, topics such as probability and statistics, and matrices and determinants will be expanded. Emphasis will be placed on the application of concepts and skills introduced in Algebra II. Algebraic proofs will be stressed along with extensive problem solving.

Grade Placement: 10-11

Prerequisite: Pre Ap Geometry or teacher approval (recommended for G/T students)

Advanced Quantitative Reasoning**1 Credit**

This course follows Algebra I, Geometry and Algebra II. The course emphasizes statistics and financial applications, and it prepares students to use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems. It is designed for students planning to pursue non-mathematics majors in college.

Grade Placement: 11-12

Prerequisite: Algebra II

Pre Calculus**1 Credit**

Pre Calculus stresses analysis of functions and unifies concepts from Trigonometry, Elementary Analysis, and Analytic Geometry.

This course includes the study of functions, vectors, sequences and series.

Grade Placement: 11-12

Prerequisite: Algebra II

Pre AP Calculus**1 Credit**

Pre AP Calculus stresses analysis of functions and unifies concepts from Trigonometry, Elementary Analysis, and Analytic Geometry.

This course includes an in-depth study of functions, vectors, sequences and series. The rigorous development of mathematical concepts.

Grade Placement: 11-12

Prerequisite: Pre AP Algebra II (recommended for G/T students and those students who took Algebra I in junior high)

AP Calculus**1 Credit**

This course is designed for the student who has displayed both exceptional mathematical talent and diligence in the study of all other selected high school courses. Topics of study will be selected from limits and continuity, the derivative, the fundamental theorem of calculus, special functions, techniques of integration. Analytic geometry will be included as needed.

Grade Placement: 12

Prerequisite: Pre AP Calculus

Science

Biology

1 Credit

This course provides a general knowledge of the natural order of living organisms and their relationship with the environment. Students will participate in laboratory experiments including dissections.

Grade Placement: 9

Pre AP Biology

1 Credit

This course is based on the regular Biology curriculum, but is designed for the honors tract/highly-motivated student. More emphasis will be placed on analytical problems, creative discoveries, hands on labs with written reports, and dissections with practical test. The student will complete a project outside of class every six-weeks, have readings from recognized documentaries and homework every week. Although it follows the regular Biology curriculum, this course is meant to prepare students for AP Biology. Areas of study will include the essential elements and objectives of those in regular Biology with greater depth and at a more accelerated rate. Recommended for Gifted and Talented students.

Grade placement: 9

Prerequisite: Grade of 85 or higher with approval from previous 8th grade advanced science teacher; 90 or higher with approval from previous 8th grade general science teacher

Integrated Physics and Chemistry

1 Credit

Provides a laboratory-oriented course which utilizes the metric system in the study of the nature and behavior of matter, forces, motion, work, power, heat, light, sound, electricity, and elements.

Grade Placement: 10

Prerequisite: Biology and Algebra I or concurrent enrollment with department approval

*Students who take IPC must take Chemistry and Physics as their third and fourth science class on the recommended plan. The distinguished plan will not accept the IPC course as one of the four science electives.

Chemistry

1 Credit

Fundamental modern chemistry concepts are presented showing how chemistry relates to daily life. Topics include properties of matter, atomic structure, periodic table, names and formulas of compounds, bonding, balancing equations, acids & bases, solution chemistry and gas laws. Emphasis is placed on lab work. A background in algebra is needed. Students taking the course will not have adequate background for AP Chemistry.

Grade Placement: 10-12

Prerequisite: Algebra I and Biology

Pre AP Chemistry

1 Credit

Fundamental modern chemistry concepts are presented including the same topics from Chem. I. Pre AP chemistry is a more rigorous course with greater math emphasis in such topics as stoichiometry and thermodynamics. Greater emphasis on lab work is required in that students must keep a proper lab notebook and write lab reports. The course is designed to prepare students for AP chemistry which is a college level chemistry class. This course requires considerable outside study time and homework.

Grade Placement: 10

Prerequisite: Geometry or concurrent enrollment. Must have completed Biology with an 85 or higher in last science class. With teacher approval.

Physics

1 Credit

This course studies the material world and its phenomena. Topics include mechanics, heat, electricity, light sound, atomic structure, forces and motion. Students enrolling in Physics should have completed Algebra 2.

Grade Placement: 11

Prerequisite: Algebra 2 (or concurrent enrollment) or have teacher approval.

Pre AP Physics

1 Credit

Pre AP Physics is the branch of science that deals with the material world and its phenomena. Included in the course are the closely related sciences of mechanics, heat, electricity, light, sound, and the study of saturation and atomic structure. Students enrolling in Pre AP Physics should have completed Algebra 2.

Grade Placement: 11-12

Prerequisite: Pre-Calculus or concurrent enrollment. Must have completed Biology and Chemistry with a grade of 85 or higher in last science class.

Advanced Placement Physics**1 Credit**

AP Physics extends the traditional survey course by providing a more in-depth study of physics principles and issues. Topics will include kinematics, statics, non-linear motion, thermodynamics, energy conservation laws, wave properties, sound, light, and optics. Successful completion of AP Physics should prepare students for the Advanced Placement Examination and/or the second level college physics course.

Grade Placement: 12

Prerequisite: Pre-AP Physics completion of concurrent enrollment in PreCalculus

Environmental Systems**1 Credit**

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.

Grade placement: 11 for Minimum Plan, 12 Recommended/Distinguished Plan

Prerequisite: To be used as fourth credit of science only

Advanced Placement Environmental Science**1 Credit**

This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces Geology, Biology, Chemistry, Math, Physics, metrology, marine biology, and many other disciplines. This course will require outside study as any other advanced course does. There are labs to complete, a couple of field studies, several essays, and projects and models in the course of the year. There will be a gradual building towards an expectation of the APES exam. Successful completion of this course is intended to prepare the student for the Advanced Placement Examination

Grade Placement: 12

Prerequisite: Biology, Chemistry and Physics.

Advanced Anatomy and Physiology**1 Credit**

This course is an intensified study of the human body and its functions. Through dissections of various organisms students develop a keener awareness of the structures of the human body. The course is geared to students interested in biological, medical, and health-oriented fields of study. Specific course topics are as follows: an introduction to the human body, chemistry, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, endocrine system, cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system, reproductive system and embryological development.

Grade Placement: 12

Prerequisite: Biology and Chemistry I - teacher approval

Aquatic Science**1 Credit**

Aquatic Science is a lab oriented course with many opportunities for learning both in the laboratory and the classroom. Students will be given opportunities to collect specimens on field trips and learning will be enhanced as they take care of their aquatic life in aquaria. They will be given the opportunity to investigate and make application of aquatic life to their daily lives.

Grade Placement: 12

Prerequisite: To be used as fourth credit of science only

Forensic Science**1 Credit**

This course uses a structured and scientific approach to the investigation of crimes and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science.

Grade Placement: 12

Prerequisite: To be used as fourth credit of science only

Social Studies

United States History

1 Credit

This course is a history of the United States from the Civil War through the present. Emphasis is given to America's development as a nation built on free enterprise, a world power among nations, and a democratic society based on government by constitutional laws.

Grade Placement: 9

Pre AP United States History

1 Credit

This course is designed to provide a student a more in-depth study of history with an emphasis on performance and research. The student will engage in analysis/problem solving activities, investigations, and the creation of products that emphasize the emergence of the United States as a world power. Students taking this course will have advanced reading and writing assignments, out of class in-depth research, and creation of projects.

Grade Placement: 9

Prerequisite: Teacher approval (recommended for G/T students)

World History

1 Credit

This is the story of man, his civilization and culture, his ideas and intuitions, from the primitive beginnings to the present time. It traces the political, economic and social experiences of mankind and applies them to the present. Students gain an awareness of American-Western Civilization and the relationship of Western culture to other contemporary world affairs becomes an essential element of the course as do the achievements of man in this total cultural setting.

Grade Placement: 10

Pre AP World History

1 Credit

In this course, the emphasis is on student exploration of the world's significant events, movements, people, and philosophies through independent study and presentation of findings. The student will be encouraged to dwell on areas of interest for the sake of depth, analysis, and development of student originated products. Students taking this course will have advanced reading and writing assignments, out of class in-depth research, and creation of projects.

Grade Placement: 10

Prerequisite: Teacher approval (recommended for G/T students)

World Geography

1 Credit

Content for this course provides students the opportunity to study the interaction of people and cultures with their physical environments in the major areas of the world. Location, place, human/environment interactions, movement, and regions are integrated into this course.

Grade Placement: 11

Pre AP World Geography

1 Credit

This course is designed for the student who wishes to pursue world culture studies in more depth than is offered in the regular class. The course provides the students with the challenge of the details of geographic study. The student will investigate and develop self-designed products that generate clear and thorough exploration of different cultures.

Grade Placement: 11

Prerequisite: Teacher approval (recommended for G/T students)

Government

1/2 Credit

This course provides an opportunity to explore in more detail the political and governing processes, elements of political theories, and governmental structures and functions. Content includes such topics as the political process at national, state and local level; the political heritage; comparative economic systems; and international relations. Emphasis is placed on concepts of the political participation, leadership, decision making, political institutions, nature of law, and the rights and responsibilities of American citizenship.

Grade Placement: 12

Prerequisite: 3 units of Social Studies

Economics

1/2 Credit

This course is designed to provide opportunities for students to identify characteristics, benefits, and goals of the American free enterprise system. Emphasis is given to the basic principles and theories of production, consumption, and distribution of goods and services. Essential elements of the course include private ownership of property, the role of government, international economic relations, consumer economics, and monetary system of money and banking and consumer literacy.

Grade Placement: 12

Prerequisite: 3 units of Social Studies

AP Macroeconomics Economics**1/2 Credit**

This course is designed to be a rigorous exploration of economic systems, especially the U.S. economic system, including issues such as inflation, unemployment, aggregate demand, aggregate supply, money markets, foreign exchange markets, and other important financial markets. Students taking this course will be assessed based upon the standards set forth by the College Board for the AP Macroeconomics course, which includes, but is not limited to in-depth, rigorous multiple choice exams and analysis of the interrelationships among multiple economic variables. Students who take this course are expected to take the AP Macroeconomics exam.

Grade Placement: 12

Prerequisite: Teacher approval, 80 average in Algebra 2 (recommended for G/T students)

AP U.S. Government and Politics**1/2 Credit**

This course is designed to be a rigorous exploration of institutions and behaviors of important actors within and outside of the United States system of government. Topics will include the Constitution, Bill of Rights, legal precedents, and the evolving political culture of the U.S. populace. Students taking this course will be assessed based upon the standards set forth by the College Board for the AP U.S. Government and Politics course, which includes, but is not limited to rigorous multiple choice exams and analysis of the interrelationships among multiple institutional and behavioral variables. Students taking this course are expected to take the AP U.S. Government and Politics exam.

Grade Placement: 12

Prerequisite: Teacher approval, Algebra 2 (recommended for G/T students)

FINE ARTS

Theatre Arts I

1 Credit

Theatre Arts I is offered to students who have had no drama training and who want to learn theatrical skills and performance skills with an emphasis on pantomime, stage movement, oral interpretation, acting, technical theatre and theatre heritage. Theatre Arts I students will study the cultural contribution of theatre, the dramatic structure of the play, and its performance.

Grade Placement: 9-12

Theatre Arts II

1 Credit

Theatre Arts II is offered to students who want to further their theatrical skills through work in acting, directing, and theatre heritage. Basic principles of production are studied and applied through performances in various theatrical applications. Production work hours required. Students are responsible for rehearsals and performances outside of class.

Grade Placement: 9-12

Prerequisite: Must pass Theatre Arts I, and audition, or successful completion of a Drama Select course at Alvarado Junior High

Theatre Arts III

1 Credit

Theatre Arts III students will continue the study of theatre with greater emphasis on the historical evolution and cultural contributions of theatre, productions styles, and performance. Students study basic components of production and apply them through performance. Production work is required. Students are responsible for rehearsals and performances outside of class.

Grade Placement: 10-12

Prerequisite: Must pass Theatre Arts II and audition

Theatre Arts IV

1 Credit

Advanced courses in theatre are designed for students to learn and gain experience in the directorial process. Production work is required. Students are responsible for rehearsals and performances outside of class.

Grade Placement: 11-12

Prerequisite: Must pass Theatre Arts III and audition

Technical Theatre I, II, III, and IV

1 Credit

Technical Theatre is a course designed to provide students with a basic understanding of the aesthetics and practical application of all phases of theatrical production. This would include the study of all visual aesthetics, the physical theatre, scenic design, scenery construction and painting, property construction and design, costuming, lighting, sound engineering and design, theatrical marketing, and back stage organization. Production work required.

Grade Placement: 9-12

Prerequisite: None for Technical Theatre I. Must pass previous level of the course and have teacher approval for Technical Theatre II, III, and IV

Theatre Production I, II, III and IV

1 Credit

Theatre Production provides practical hands-on experiences in acting and stagecraft through the preparation and public performances of plays. This curricular laboratory for the exploration, development, and synthesis of all elements of theatre supplements the other theatre courses that concentrate on theories, information, and techniques by providing for the integration and implementation of these ideas and skills. Production work required.

Grade Placement: 9-12

Prerequisite: Must pass Theatre Arts I and audition

Musical Theatre I, II, III and IV

1 Credit

Musical Theatre will expose students to a wide range of on-stage performance disciplines, including acting performance, vocal performance, and dance performance. The course will enable students to study and perform the varied styles of musical theatre with special attention to the principals of stage movement, stage vocal technique, stage choreography, acting, characterization, and all other aspects of a musical production.

Grade Placement: 9-12

Prerequisite: None for Musical Theatre I. Must pass previous level of the course and have teacher approval for Musical Theatre II, III, and IV

Theatre and Media Communications I and II

1 Credit

Theatre and Media Communications provides students with a rigorous and relevant experiential study of theatre along with video and audio design. Creation and analysis of student performances will be balanced with explorations into contemporary practices in digital media. Students will learn valued workplace skills such as how to work in teams, how to think critically, how to maintain motivation,

how to plan and document project progress, and how to present their ideas to their audience.

Grade Placement: 9-12

Prerequisite: None for Theatre and Media Communications I. Must pass previous level of the course and have teacher approval for Level II.

Music Theory

1 Credit

Music Theory is intended for students with an interest in and an aptitude for musical studies. The course will prove especially helpful for those students considering a music major in college and/or a musical career following college. The class explores in-depth musical concepts such as meter, pitch, melody, harmony, intervals, scales, key signatures, chord progressions, musical form and analysis, orchestration, part writing, and melodic and harmonic dictation.

Grade Placement: 10-12

Prerequisite: Teacher approval

Choral Music I-IV

1 Credit each

Choral music emphasizes correct vocal techniques including sight singing and vocal performance. All choral music classes perform, therefore, each student's grade is heavily dependent upon their attendance at several concerts which are held outside the school day. All academically-eligible students compete with their choir at the UIL Concert and Sight reading Contest in the spring. Students are also encouraged, though not required, to participate in the All-State Choir auditions as well as the UIL Solo and Ensemble Contest. Classes placement is decided upon by choir instructor.

Grade Placement: 9-12

Prerequisite: Consent of Instructor

Honor Chorale: The AHS varsity mixed choir. Membership is largely comprised of juniors and seniors. Students learn advanced choral singing techniques and principles, are familiarized with the finer points of the do's and don'ts of public performance, and undertake the most difficult sight-reading challenges in the state. Honor Chorale performs frequently, representing the school, the district, and the community in various settings. Members participate in All-District, All-Region, and All-State Choir auditions every fall, Solo & Ensemble Contest every February, Concert & Sight-Reading Contest every April and Baccalaureate and Commencement ceremonies every May. Every year Honor Chorale presents a fall concert, a large-scale production Christmas concert with two to three performances, and a spring concert. Previous AISD choir experience and the consent of the director are requirements for admittance.

Concert Choir: The AHS junior varsity mixed choir is a training ground for membership in Honor Chorale. Membership is largely comprised of freshmen and sophomores. Students are introduced to the techniques and principles of mixed choir singing, the basic do's and don'ts of public performance, and the concepts involved in sight-reading mixed choir music. Concert Choir members participate in All-District, All-Region and All-State Choir auditions every fall, Solo & Ensemble Contest every February, and Concert and Sight-Reading Contest every April. The choir presents a fall concert, a Christmas concert, and a spring concert each year. Previous AISD choir experience and the consent of the director are requirements for admittance.

Band I-IV

1 Credit each

These courses consist of marching, concert playing, sight reading, solo work, small ensemble playing and individual instrumental technique. Public performance is stressed and many appearances are made throughout the year. Included are concerts, pep rallies, football games, marching and concert contests. (Should students drop Band, they will resume P.E. to complete graduation requirements.) Students in Band may be required to attend limited rehearsals outside school hours. Classes are divided into Symphony and Concert by the instructor.

Grade Placement: 9-12

Prerequisite: Consent of Instructor

Dance I - Fundamentals

1 Credit

Dance Fundamentals is a yearlong course offered for fine arts credit. Students participate actively in the learning of fundamental dance skills. Ballet is the primary focus during the first semester. During the second semester various disciplines of dance are explored including but not limited to jazz, street style/hip hop, ballet, lyrical and modern dance. Students engage in the training of basic dance skills, choreography projects, video studies and basic dance history. Students are required to participate in at least one performance/recital per semester. This class is for the student with no prior dance training. All dance students are required to wear appropriate and approved dance attire and dance shoes. Purchase of dance attire and shoes are the responsibility of the student. *Incoming freshmen with at least two years of previous formal training in ballet or jazz may audition with the instructor for possible placement in Dance II.

Grade Placement: 9-12

Prerequisite: None

Dance II - Technique**1 Credit**

Students in Dance Technique will earn fine arts credit for this yearlong course. Various disciplines of dance are explored including but not limited to jazz, street-style/hip-hop, ballet, lyrical and modern dance with the focus on the technical mastery of basic to intermediate skills. Students engage in choreography projects, video studies and dance history. Students are required to participate in at least two performances/recitals. All dance students are required to wear appropriate and approved dance attire and dance shoes. Purchase of dance attire and shoes are the responsibility of the student.

Grade Placement: 10-12

Prerequisite: Dance I and instructor approval

Dance III and Dance IV**1 Credit**

Students in Dance III and Dance IV will continue with the skills learned in Dance I and II, but at a higher level and with additional levels of responsibility as a student, performer, technician, and choreographer. Various disciplines of dance are developed including ballet, jazz, tap, hip-hop, modern, historical, and theatrical. All students in Dance III and Dance IV are required to participate in any and all performances. Students must provide their own dancewear and dance shoes.

Grade Placement: 10-12

Prerequisite: Dance II and instructor approval

Art I**1 Credit**

This class is a fun way to get your fine arts credit. You will be introduced to a variety of artworks and the artists who made them. You will explore different types of art medium and create a variety of artworks. In this class you will learn how to turn a simple 2-D drawing into a 3-D image using a variety of perspective skills. We will explore color-mixing and how artists use color, create a couple 3-D ceramic pieces from clay. You don't have to have talent, but you DO have to have a willingness to try. You must purchase \$10 worth of art supplies: a sketchbook, ruler, glue, scissors, pencils and eraser.

Grade Placement: 9-12

Art II**1 Credit**

This level is advanced art for those students whom like to draw/ paint and work in clay. If you struggled in Art I or didn't like Art I and the mess we made, this class is NOT for you. We will be doing advanced drawing subjects and learning to increase our drawing/shading skills. We will be working in a variety of medium on all different kinds of surfaces. We will also still explore more types of artworks and the artists who made them. Since this is an advanced class, you will be graded upon advanced art skills such as your knowledge and use of color, shading to create volume or dimension, perspective skills and higher level thinking with your compositions. You will be responsible purchasing some art supplies; all the supplies from your Art I class, a new sketchbook, more grades of drawing pencils.

Grade Placement: 10-12

Prerequisite: Art I

Art III**1 Credit**

This is a further advanced art class designed for those serious students who really enjoy creating art and are skillful in doing so. We will continue to explore a variety of mediums and utilize different surfaces to create our art upon. Students will be given a topic or art problem and it will be up to the student to creatively find an artistic solution. These students must be self-motivating. Some outside of class work will be necessary. All art mediums will be explored and, 2-D and 3-D artwork will be created. Students must purchase a sketchbook, a variety of leaded pencils, eraser, ruler, glue, scissors and prisma-color brand colored pencils.

Grade Placement: 11-12

Prerequisite: Art II and teacher approval

Art IV**1 Credit**

This level art is only for those that are truly interested in art and in increasing their skill level. This level art is for the student whom is self-motivating, creative and gifted in art. Projects will be more involved, complicated, detailed and on a higher level of creativity. Students will continue to utilize a variety of mediums and surfaces, but should now know what tools they like to use best and begin more in exploring that particular medium more intently and purposely. Students will be required to create a certain number of works per six-weeks along with keeping a sketchbook of outside created drawings/ ideas/ practices, etc. Students should have access to their own digital camera, along with all the supplies they acquired in previous art classes.

Grade Placement 12

Prerequisites: Art III and teacher approval

PHYSICAL EDUCATION

Foundations of Personal Fitness: Boys / Girls

1 Credit

Foundations of Personal Fitness represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the corner stone of this course and is exemplified by one of the course objectives-students designing their own personal fitness program.

Adventure/Outdoor Education: Boys / Girls

1 Credit

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

Aerobic Activities 1, 2 or 3: Boys / Girls

1 Credit

Students in aerobic activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation.

Individual Sports 1, 2, or 3: Boys / Girls

1 Credit

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.

Team Sports 1, 2, or 3: Boys / Girls

1 Credit

Students enrolled in Team Sports are expected to develop health-related fitness and an appreciation for team work and fair play. Like the other high school physical education courses, Team Sports is less concerned with the acquisition of physical fitness during the course than reinforcing the concept of incorporating physical activity into a lifestyle beyond high school.

Boys Football: Must attend practice during and after school. Attendance at summer practice is strongly recommended.

Boys Basketball: Course includes required after-school practice during the season. During off-season practices will be conducted during the athletic period. Incoming freshmen are allowed in off-season, but upper classmen will have to have made a team the previous season to be in off-season, or have transferred from another school. Students will be removed from off-season if they fail to make a team or fail to meet academic eligibility requirements. This is an extracurricular activity, not a P.E. class.

Boys and Girls Tennis: Alvarado offers competitive tennis in both the fall (August - mid-November) and spring (mid-January - first week of May) semesters. Alvarado competes on the Freshman, JV and Varsity levels. Fall tennis is the "team" season and Spring tennis is the "individual" season. Anyone (all grade levels) interested in tennis that has not played for Alvarado High School before must go through the Junior Varsity program, unless the coach gives approval. All players must have their own rackets and tennis shoes. All JV and varsity tennis players are required to practice after school.

Boys/Girls Cross Country and Track: Alvarado High School offers competitive programs in Cross Country and Track. Cross Country is an extracurricular fall sport that requires before and/or after school practice. Track is an extra-curricular spring sport with practices held during the athletic period and extending to after school. During the off-season, practice will take place during the athletic period to prepare for Track and Field in the spring. Athletes will be required to participate in physical activity everyday, except for coach/trainer excused absences. Actual class time is provided for the athletes to learn about such things as conditioning, nutrition, hydration, goal-setting, injury prevention, pre-race preparation and race strategy. Grades will be based on student/athlete's participation in class activities: scheduled practices, weight training, conditioning and their participation scheduled Cross Country and Track meets. Summer practice is strongly encouraged for those that will compete in the upcoming Cross Country season.

Boys and Girls Soccer: Athletes will be required to participate in physical activity every day except for coach/trainer approved absences. The athlete's grades in class will be based on participation, skills improvement, and team attitude. Grades will also be determined on the return or purchasing of misplaced and/or stolen equipment. Each student will be required to provide their own cleats and shin guards. Athletes will also be required to purchase the appropriate practice attire, which will not exceed \$20.00. All athletes that do not make the team at the end of the fall semester will be transferred out of the soccer class. Students making the team must have a reliable and appropriate means of transportation.

Baseball: This is a spring sport. Signups are held before the end of the first semester (December). Tryouts for the teams are held at the beginning of the second semester (January). There is an athletic period for baseball for the spring semester only. It is strongly suggested that those interested should also participate in another sport or off-season for conditioning. Practices are held after school and will be mandatory.

Girls Volleyball: This course requires off-season practice during the class period for the entire school year. This is a fall sport and requires after-school practice. Practice begins on the first Monday in August. This is an extra-curricular activity.

Girls Softball: This class includes an off-season program that works out during the class period the entire school year. Beginning at the end of January, softball begins required after-school practices that continue throughout the softball season. The off-season program involves conditioning, weightlifting, and skills-related activities.

ATHLETIC TRAINING PROGRAM

This program is designed for students who have a passion for both sports and medicine. It is an opportunity to be on the sideline at games and help out the Athletic Trainer with duties. The following courses are for students who may be interested in this program. If you are interested you need to contact the Athletic Trainer.

Sports Medicine I & II

1 Elective Credit per class

These courses provide an opportunity for the study and application of the components of sports medicine including but not limited to: sports medicine related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills, taping a wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise. Both Sports Medicine courses will include a First Aid/CPR/AED certification. Students who are interested need to meet with the Athletic Trainer to see if they would just like to take the course or if they would like to enroll in the Athletic Training program at AHS.

Grade Placement: Sports Medicine I: 9-12

Sports Medicine II: 11-12

Prerequisite: Sports Medicine I: Interview with and Athletic Trainer approval

Sports Medicine II: Sports Medicine I and Athletic Training I or Athletic Trainer approval

Athletic Training I & II

1 Credit per course (will be substituted for one PE credit)

These classes are for students who are interested in helping or being around sports and/or interested in the application of the Sports Medicine classes in real world situations. Students who wish to be Athletic Training Students must be willing to stay after school to help out with the daily running of the athletic training room and the coverage of athletic events. Students will be required to attend some sporting events throughout the year. Interested Students will need to see the Athletic Trainer for admission requirements into the Athletic Training Program.

Grade Placement: 9-12

Prerequisite: Athletic Training I: Sports Medicine I or Athletic Trainer approval

Athletic Training II: Athletic Training I and Sports Medicine II or Athletic Trainer approval

ARMY JUNIOR ROTC

Junior ROTC (JROTC) courses are part of the high school elective program. However, the completion of any JROTC course will meet the Physical Education requirement for graduation from AISD. Additional JROTC courses may be taken through a student's senior year for elective credit. The United States Army's Junior Reserve Officers' Training Corps, or JROTC, is designed to teach high school students the values of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment, while instilling in them self-esteem, teamwork, and self-discipline. Its focus is reflected in its mission statement, "To motivate young people to be better citizens." It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities and privileges as American citizens. The program is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that will benefit the student, community, and nation. JROTC's Program of Instruction focuses on the development of better citizens through the instruction of skills in leadership, citizenship, life success, geography, and wellness in a structured interactive environment. Selected cadets attend a one-week Junior Cadet Leadership Challenge Camp.

Note: LET stands for Leadership Education and Training. LET is how students are classified in Junior ROTC. Each student's LET level represents how many years of Junior ROTC he or she has successfully completed.

Army Junior ROTC I (LET I)**1 Credit**

This is a first-year leadership course. Studies include Citizen in Action, Foundations of Army JROTC and Getting Involved, Being a Leader and Leadership Skills, Foundations for Success, Know Yourself, Learning to Learn, Study Skills, Communication Skills, Conflict Resolution and High School Financial Planning, Map Reading Skills, and Rifle Safety and Marksmanship. JROTC I cadets will develop knowledge of citizenship as it relates to the rights and responsibilities of all Americans. They have the opportunity and are encouraged to participate in JROTC integrated curriculum activities, such as the JROTC Color Guard (presenting the national and state flags at school and community events), athletic teams, drill teams and rifle marksmanship teams. These teams compete against other high school JROTC teams throughout the school year. Selected JROTC I cadets have the opportunity to attend a leadership camp, usually scheduled in June of each year.

Grade Placement: 9-12

Army Junior ROTC II (LET II)**1 Credit**

This course provides instruction in leadership theory and application and more emphasis on leadership positions in the organizational structure. JROTC II cadets become more heavily involved in assuming junior leadership roles in the courses, classes and in integrated curricular activity teams. Studies include Achieving a Healthy Lifestyle, First Aid for Emergency and Non-Emergency situations, Drug Awareness, Map-Reading Skills, Citizenship in American History and Government, and Rifle Safety and Marksmanship. Selected JROTC II cadets have the opportunity to attend a leadership camp, usually scheduled in June of each year.

Grade Placement: 10-12

Prerequisite: Successful completion of JROTC I (LET I) or JROTC Senior Army Instructor's approval

Army Junior ROTC III (LET III)**1 Credit**

At this level of JROTC instruction, JROTC III cadets begin to hold key leadership positions at the company level, such as Platoon Sergeant, Company First Sergeant, Company Commander or Battalion staff positions. Studies at this level demonstrate organizational and planning skills as well as improved proficiency in managing individuals and small groups in a structured environment. Studies include Citizenship in Action, Foundations of Army JROTC and Getting Involved, Leadership Theory in Application, Leadership Strategies, Foundations for Success, Presenting Skills, Managing Conflict, Career Planning, Planning Skills and Social Responsibility, High School Financial Planning, Citizenship in American History Government, Critical Thinking in Citizenship, and Map-Reading Skills or World Geography. Also, cadets are introduced to college scholarship application and resume preparation. JROTC III cadets continue to participate in and lead programs in integrated curricular team activities. They participate and lead in learning projects and voluntary events throughout the school year. Selected JROTC III cadets have the opportunity to attend a leadership camp, normally in June of each year.

Grade Placement: 11-12

Prerequisite: Successful completion of JROTC I and JROTC II (LET I & II) or JROTC Senior Army Instructor's approval

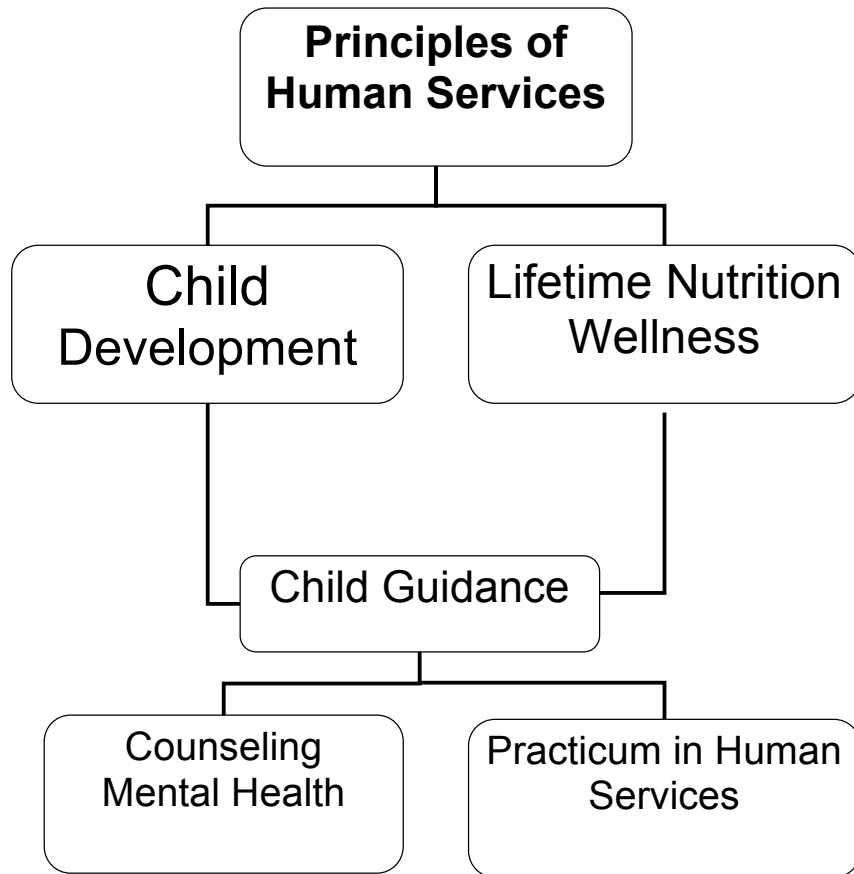
Army Junior ROTC IV (LET IV)**1 Credit**

During this year, JROTC IV cadets actively hold key leadership positions in the battalion, such as Battalion and Company Commander and key battalion staff positions. In these positions, cadets are responsible for the day-to-day operations of the cadet battalion and they serve as key role models to the other JROTC cadets and high school students. Cadet responsibilities include administration, planning cadet activities, arranging logistical assets to support battalion activities and increase awareness of the JROTC program within the school and community. JROTC IV cadets also serve as assistant instructors in selected curriculum. They also develop and plan integrated curriculum activities and other special unit events such as a formal military ball or awards ceremony. Studies include Citizenship in Action, Service to the Nation, Leadership Theory and Application, Leadership Principles, Foundations for Success, High School Financial Planning, Teaching Skills, Written Communication Skills, Command & Staff Procedures, and Administrative and Supply Procedures.

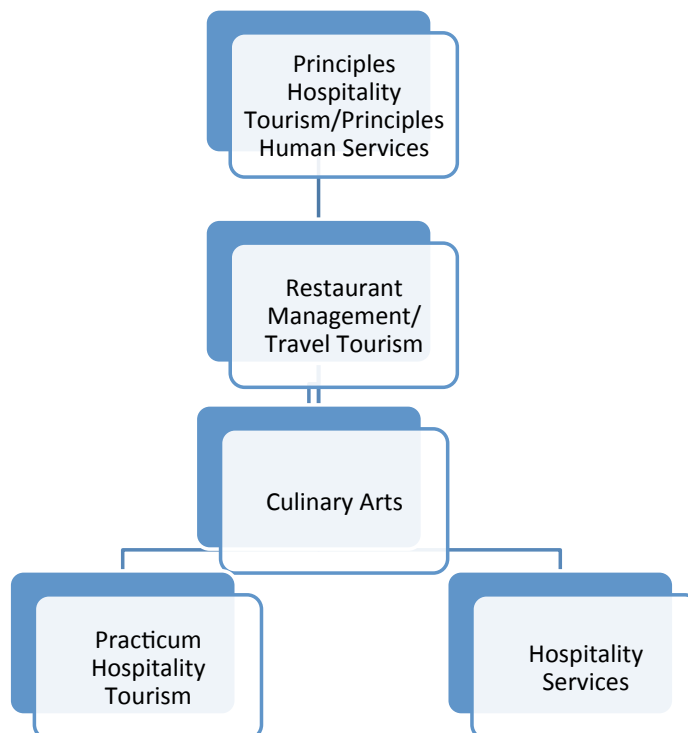
Grade Placement: 12

Prerequisite: Successful completion of JROTC I, JROTC II, JROTC III (LET I, II & III) or JROTC Senior Army Instructor's

HUMAN SERVICES CLUSTER



Hospitality and Tourism Cluster



Family Consumer Science: Human Services Pathway (Child Development)		credits
1st Year	Principles Human Services/ Principles of Hospitality Tourism	1
2nd Year	Child Development/Lifetime nutrition Wellness	1
3rd year	Child Guidance	1
4th year	Counseling Mental Health	1
4th year	Practicum Human Services	2-3
Family Consumer Science: Hospitality and Tourism Pathway (Culinary Arts)		
1st Year	Principles Human Services/ Principles of Hospitality Tourism	1
2nd year	Restaurant management/ Travel and Tourism Management	1
3rd year	Culinary Arts	1
4th year	Hospitality services	1
4th year	Practicum Hospitality Services	2-3

FAMILY AND CONSUMER SCIENCE

Principles of Human Services

1/2-1 Credit

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. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations such as FCCLA.

Grade Placement: 9-12

This class is the prerequisite for all others

Lifetime Nutrition and Wellness

1/2 Credit

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. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations such as FCCLA.

Grade Placement: 10-12

Prerequisite: Principles of Human Services or Principles of Hospitality and Tourism

Child Development

1/2 Credit

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.

Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations such as FCCLA.

Grade Placement: 10-12

Prerequisite: Principles of Human Services

Child Guidance

1 Credit

This technical laboratory course addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations such as FCCLA.

Grade Placement: 10-12

Prerequisite: Principles of Human Services and Child Development

Counseling and Mental Health**1 Credit**

Students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement: 11-12

Prerequisite: Principles of Human Services

Practicum in Human Services**1 Credit**

This practicum is a paid or non-paid internship where the student will work in the Human Services industry .i.e. Child daycare worker, teachers aide. Students are encouraged to participate in extended learning experiences such as career and technical student organizations or other leadership or extracurricular organizations such as FCCLA

Grade Placement: 12

Prerequisite: Principles of Human Services and two other coherent sequence courses in the Human Services cluster.

Principles of Hospitality and Tourism**1/2 Credit**

The hospitality and tourism industry encompasses lodging, travel and tourism, recreation, amusements, attractions, resorts, 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. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement: 9-11

Restaurant Management**1/2 Credit**

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. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement: 10-12

Prerequisite: Principles of Hospitality and Tourism

Travel and Tourism Management**1/2 Credit**

This course incorporates management principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusements, attractions, and resorts. Employment qualifications and opportunities are also included in this course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement: 10-12

Prerequisite: Principles of Hospitality and Tourism

Culinary Arts**1 Credit**

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification, or any other appropriate industry certification. This course may be offered as a laboratory-based or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement: 11-12

Prerequisite: Restaurant Management, Lifetime Nutrition and Wellness, or Principles of Hospitality and Tourism

Hospitality Services**1 Credit**

Hospitality Services provides students with the academic and technical preparation to pursue high-demand and high-skill careers in hospitality related industries. The knowledge and skills are acquired within a sequential, standards-based program that integrates hands-on and project-based instruction. Standards included in the Hospitality Services course are designed to prepare students for nationally recognized industry certifications, postsecondary education, and entry-level careers. In addition, Hospitality Services is designed so that performance standards meet employer expectations, enhancing the employability of students. Instruction may be delivered through laboratory training or through internships, mentoring, or job shadowing. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement: 11-12

Prerequisite: Hotel Management, Travel and Tourism Management, or Restaurant Management

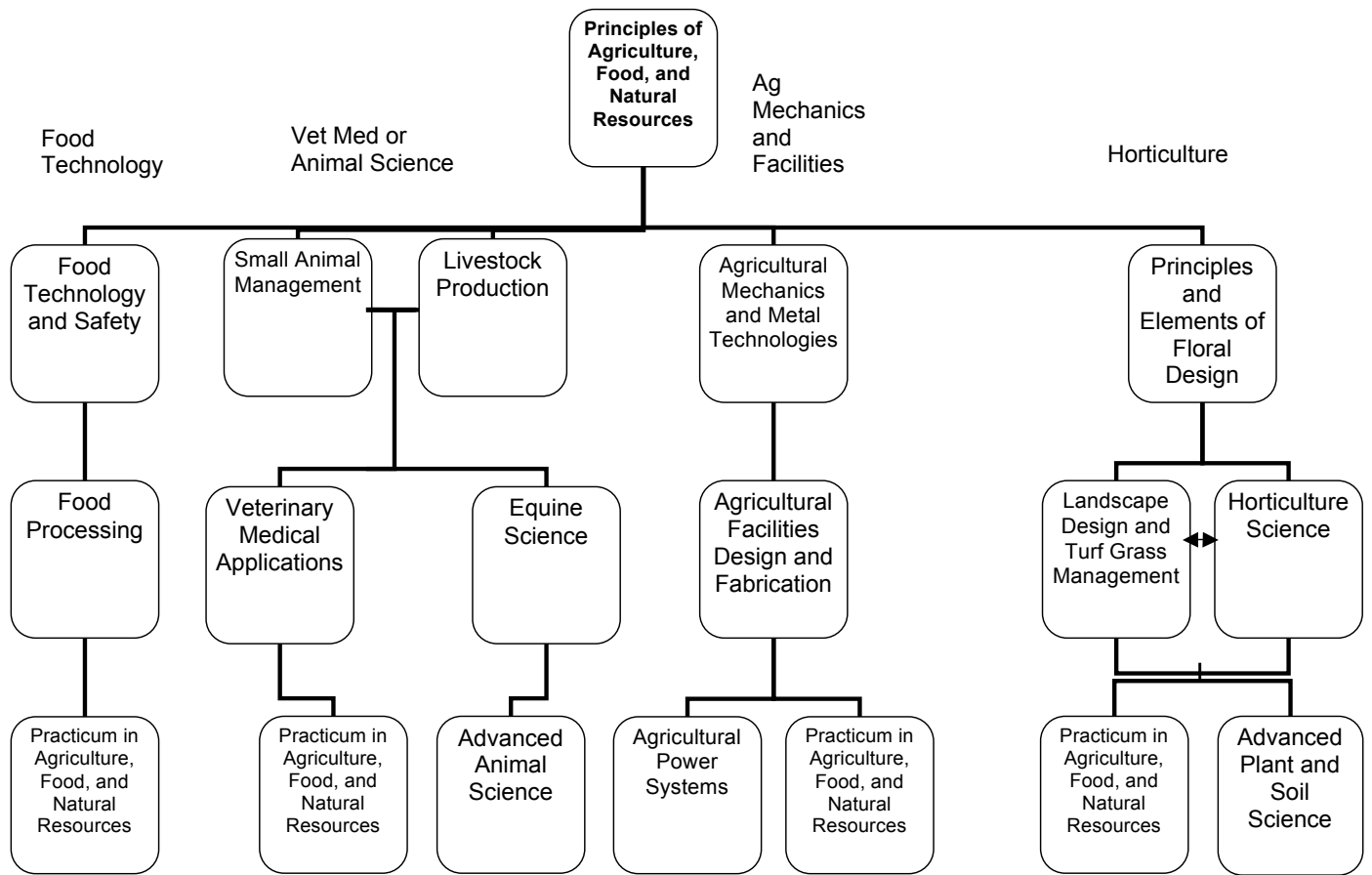
Practicum in Hospitality Services**2-3 Credits**

A unique practicum experience provides opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Hospitality Services integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. Students are taught employability skills, including job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Practicum in Hospitality Services is relevant and rigorous, supports student attainment of academic and technical standards, and effectively prepares students for college and career success. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement: 12

Prerequisite: Hospitality Services (*Students must have access to computers and the Internet and have access to transportation.*)

Agriculture, Food, and Natural Resources Cluster



TAC Chapter 130. Career and Technical Education		
Subchapter A. Agriculture, Food, and Natural Resources Cluster		
Agriculture Science: Animal Science Pathway (with Vet Tech Assistant Certification)		credits
1st Year	Principles of Agriculture, Food, and Natural Resources (1/2-1) (PRINAFNR)	1
2nd Year	Livestock Production (1/2-1) (LIVEPROD)	1/2
2nd Year	Small Animal Management (1/2-1) (SMANIMGT)	1/2
2nd Year	Equine Science (1/2-1) (EQUINSCI)	1/2
3rd Year	Veterinary Medical Applications (1) (VETMEDAP)	1
4th Year	Practicum in Agriculture, Food, and Natural Resources (2-3) (PRACAFNR)	2-3
Agriculture Science: Animal Science Pathway (without Vet Tech Assistant Certification)		credits
4th Year	Advanced Animal Science (1) (ADVANSCI)	1
Agriculture Science: Metal Shop Pathway		credits
1st Year	Principles of Agriculture, Food, and Natural Resources (1/2-1) (PRINAFNR)	1
2nd Year	Agricultural Mechanics and Metal Technologies (1/2-1) (AGMECHMT)	1
3rd Year	Agricultural Facilities Design and Fabrication (1-2) (AGDFAB)	1
4th Year	Agricultural Power Systems (1-2) (AGPOWSYS)	1
4th Year	Practicum in Agriculture, Food, and Natural Resources (2-3) (PRACAFNR)	2-3
Agriculture Science: Food & Processing Pathway		credits
1st Year	Principles of Agriculture, Food, and Natural Resources (1/2-1) (PRINAFNR)	1
2nd Year	Food Technology and Safety (1/2-1) (FOODTS)	1
3rd Year	Food Processing (1-2) (FOODPRO)	1
4th Year	Practicum in Agriculture, Food, and Natural Resources (2-3) (PRACAFNR)	2-3
Agriculture Science: Horticulture Pathway		credits
1st Year	Principles of Agriculture, Food, and Natural Resources (1/2-1) (PRINAFNR)	1
2nd Year	Principles and Elements of Floral Design (1) (PEFLDSN)	1
3rd Year	Landscape Design and Turf Grass Management (1/2-1) (LNDTGMGT)	1/2
3rd Year	Horticulture Science (1/2-1) (HORTISCI)	1/2
4th Year	Advanced Plant and Soil Science (1) (ADVPSSCI)	1
4th Year	Practicum in Agriculture, Food, and Natural Resources (2-3) (PRACAFNR)	2-3
Agriculture Science: Other Agriculture Science courses		credits
(prerequisite: must have at least 3 credits from the same pathway.)		
	Professional Standards in Agribusiness (1/2-1) (PROSAFNR)	1/2 - 1
	Agribusiness Management and Marketing (1/2-1) (AGRBUSMM)	1/2 - 1
	Wildlife, Fisheries and Ecology Management (1/2-1) (WFECGT)	1/2 - 1
	Range Ecology and Management (1/2-1) (RECOMGT)	1/2 - 1
	Welding I (1) (WELD)	2

Agricultural Science

Principles of Agriculture, Food, and Natural Resources

1 credit

Mandatory first year class for all students in agricultural classes, as it is the foundation for all of the Ag classes. Students will learn a vast array of knowledge in premier leadership, personal growth, and career success. Students are encouraged to become FFA members and will have the option to compete on Leadership Development Event Teams, Career Development Event Teams, and Supervised Agricultural Experiences.

Grade Placement: First Year

This class is the prerequisite for all others.

Livestock Production

1/2 credit

An introduction into the world of livestock, including global impact, purpose, meat identification, breed identification and so much more! Students will be active in areas related to leadership in the FFA.

Grade Placement: Second year

Prerequisite: Principles of Agriculture

Small Animal Management

1/2 credit

An introduction into the world of Small Animals, as the learner will know how to identify small animals, their purpose, and care techniques, such as grooming, feeding, and management.

Grade Placement: Second year

Prerequisite: Principles of Agriculture

Agriculture Mechanics and Metal Techniques*

1 credit

This class is designed to familiarize the student with the basic theory and specialized shop skills. Skills will be developed in the areas of tool identification and safe use, carpentry, electricity, plumbing, masonry, fence building, painting, metalworking, welding, and leadership in the FFA.

Grade Placement: Second year

Prerequisite: Principles of Agriculture

Food Technology and Safety

1 credit

This introductory course emphasizes world food production, processing, preparation, packaging, and regulation. Special attention will be given to meat grading and inspection. Students will be active in areas related to leadership in the FFA.

Grade Placement: Second year

Prerequisite: Principles of Agriculture

Principles and Elements of Floral Design

1 credit

This technical course educates students in the elements of design and arrangement of flowers, foliage, and related plant materials for special occasions. Students will use hands on instruction to create and construct various types of flower arrangements. In addition, students will be active in areas related to careers and leadership in the FFA.

Grade Placement: Second year

Prerequisite: Principles of Agriculture

Vet Medical Applications

1 credit

Are you interested in being a Vet Assistant right out of high school? Or maybe a head start in learning about veterinary science before college? Vet Med is a complex class where students will be educated in the anatomy and physiology of animals, restraint techniques, injections and other in-depth criteria that the student will learn before working with a Veterinarian or Registered Vet Technician. Students will be active in areas related to leadership in the FFA.

Grade Placement: Third year

Prerequisite: Livestock Production and Small Animal Management

Equine Science

1 credit

The student will learn proper care, feed management, breed selection, breeding, digestion, judging techniques and marketing of the horse. Current events and issues will be covered such as slaughter, the economy, and the future of the horse industry. Students will be active in areas related to leadership in the FFA.

Grade Placement: Third year

Prerequisite: Livestock Production and Small Animal Management

Practicum in Agriculture, Food, and Natural Resources (Vet Med Assistance) 1 credit

This practicum is a non-paid internship where the student will work in the vet office to gain knowledge and skill of Vet Assistance. At the completion of the Practicum, the student will complete a state-given checklist and apply for the State Vet Med Assistance Examination.

Grade Placement: Fourth year

Prerequisite: Vet Med Applications

Agriculture Facilities Design and Fabrication* ½ credit

This course offers hands on approach to learning metalworking trades and techniques. The student will develop a proficient ability to operate and maintain metal working equipment. Students will be active in areas related to leadership in the FFA.

Grade Placement: Third year

Prerequisite: Agricultural Mechanics and Metal Technologies

Food Processing 1 credit

This class is a laboratory oriented course designed to develop technical skills in processing, preparing, and packaging meat, fish, and poultry. The course emphasizes equipment care and sanitation; HACCP, government regulations, meat quality, identification, grading, fabrication, preparation, as well as merchandising and consumer trends. Students will be active in areas related to leadership in the FFA.

Grade Placement: Third year

Prerequisite: Food Technology and Safety

Landscape Design and Turf Grass Management ½ credit

This course is designed to provide the student with opportunities to analyze landscape sites, recognize plants, identify structures, evaluate service contracts, and recognize maintenance and storage of tools and equipment used in landscape design and turf grass. Students will be doing hands on activities. Students will be active in areas related to leadership in the FFA.

Grade Placement: Third year

Prerequisite: Principles and Elements of Floral Design

Horticulture Science ½ credit

This class is designed to continue education in horticulture science with emphasis on technical skills, occupational opportunities, and leadership in FFA. A portion of this class will be spent in the greenhouse with hands on experience in growing plants. Students will be active in areas related to leadership in the FFA.

Grade Placement: Third year

Prerequisite: Principles and Elements of Floral Design

Practicum in Agriculture, Food, and Natural Resources 1 credit

This practicum is a paid or non-paid internship where the student will work in the agricultural industry.

Grade Placement: Fourth year

Prerequisite: Principles of Agriculture

Advanced Animal Science 1 credit

Advanced Animal Science is a complex course covering a variety of anatomy and physiology of animals, their digestion, feeds and feeding, facilities, breeding, breed selection and marketing. Students will be active in areas related to leadership in the FFA.

Grade Placement: Fourth year

Prerequisite: Equine Science

Ag Power Systems* 1 credit

This agricultural industry course is designed to prepare students to maintain, repair, and recondition agricultural vehicles, and machinery. This course emphasizes basic principles of operation, while introducing students to modern high-tech components, system monitors, on board computers, etc. Students will be active in areas related to leadership in the FFA.

Grade Placement: Fourth year

Prerequisite: Agricultural Facilities Design and Fabrication

Advanced Plant and Soil Science 1 credit

This is a complex class based on the science of organic matter, plants, and soil. The learner will know how to calculate the rate of water leaching through the soil, soil make up, plant reproduction, and plant identity. Students will also be active in areas related to leadership in the FFA.

Grade Placement: Fourth year

Prerequisite: Horticulture Science and Landscape Design

Professional Standards in Agribusiness**1 credit**

Students will develop skills that will benefit the student in areas of leadership, social skills, communication, and employee-employer relations through activities in the FFA.

Grade Placement: Second through Fourth year

Prerequisite: Principles of Agriculture (must have at least 3 credits from the same pathway, or teacher and/or administrator approval)

Agribusiness Management and Marketing**1 credit**

A complex course offered to enhance the students business and marketing skills. Emphasis will be placed on record keeping, budgeting, entrepreneurship, and career opportunities. Students will be active in areas related to leadership in the FFA.

Grade Placement: Second through Fourth year

Prerequisite: Principles of Agriculture (must have at least 3 credits from the same pathway, or teacher and/or administrator approval)

Wildlife, Fisheries, and Ecology Management**1 credit**

This course is designed to familiarize the student with history, laws, policies, and the importance of wildlife and recreation management. Students will also learn about occupations and leadership skills in these areas. The required state hunter safety education will be taught, and students may be certified. Students will be active in areas related to leadership in the FFA.

Grade Placement: Second through Fourth year

Prerequisite: Principles of Agriculture (must have at least 3 credits from the same pathway, or teacher and/or administrator approval)

Range Ecology and Management**½ credit**

Students will be educated in range science and management. Students will learn conservation of soil and land, as well as range slopes and soil types. Students will be active in areas related to leadership in the FFA.

Grade Placement: Second through Fourth year

Prerequisite: Principles of Agriculture (must have at least 3 credits from the same pathway, or teacher and/or administrator approval)

Welding**2 credit**

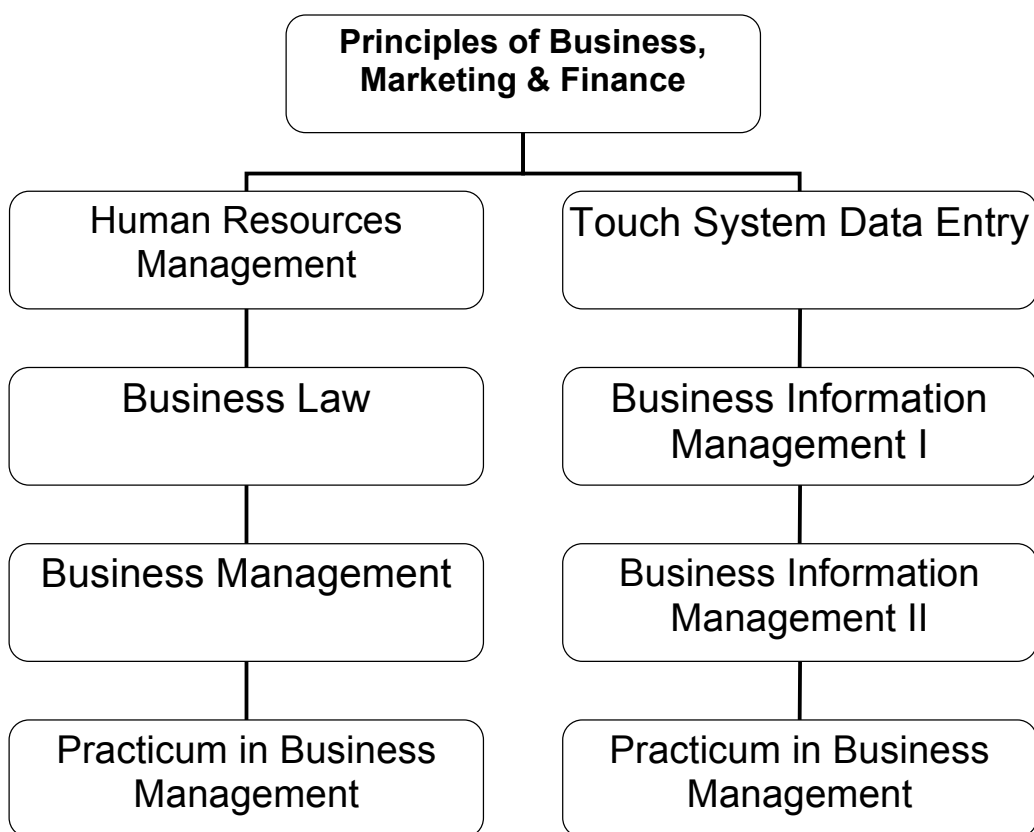
This course is designed for those students interested in a mechanical career. These students will receive the most advanced training in welding methodology, cutting procedures, and project construction. This hands-on course will allow students to enter the workforce with a working knowledge of industry standards related to these skills.

Grade Placement: 11-12

Prerequisites: Principles of Agriculture and Agriculture Mechanics and Metal Technologies

*** Course offers Career Safe Certification**

Business Management and Administration Cluster



Career and Technical Education		
Business Management & Administration		
Business Management: <u>Business Management & Administration</u>		credits
1st Year	Principles of Business, Marketing, and Finance	.5
1st Year	Touch System Data Entry	.5
2nd Year	Business Information Management I	1
3rd Year	Business Information Management II	1
4th Year	Practicum in Business Management	2-3
Business Management: <u>Other Business Management & Administration Courses</u>		credits
	Touch System Data Entry	.5
	Human Resources Management	.5
	Business Law	.5
	Business Management	1

BUSINESS EDUCATION / TECHNOLOGY

Principles of Business, Marketing and Finance

½ Credit

Course Description: In Principles of Business, Marketing and Finance, 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.

Course Requirements: This course is recommended for students in Grades 9-11.

Touch Systems Data Entry

½ Credit

Course Description: Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents.

Course Requirements: This course is recommended for students in Grades 9-10.

Business Information Management**1 Credit**

Course Description: 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.

Course Requirements: This course is recommended for students in Grades 9-12.

Business Information Management II**1 Credit**

Course Description: 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 charts and graphs, and make an electronic presentation using appropriate multimedia software.

Course Requirements: This course is recommended for students in Grades 11-12.

Practicum in Business Management**3 Credits**

Course Description: The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to applications of emerging technologies. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Course Requirements: This course is recommended for students in Grade 12.

Business Law**½ Credit**

Course Description: The students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property. Students apply technical skills to address business applications of contemporary legal issues. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Course Requirements: This course is recommended for students in Grades 11-12.

Human Resource Management**½ Credit**

Course Description: Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of human resources management, which include recruitment, selection, training, development, and compensation. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economical, financial, technology, international, social, and ethical aspects of human resources in order to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, financial, ethical, and international dimensions of business to make appropriate human resources decisions.

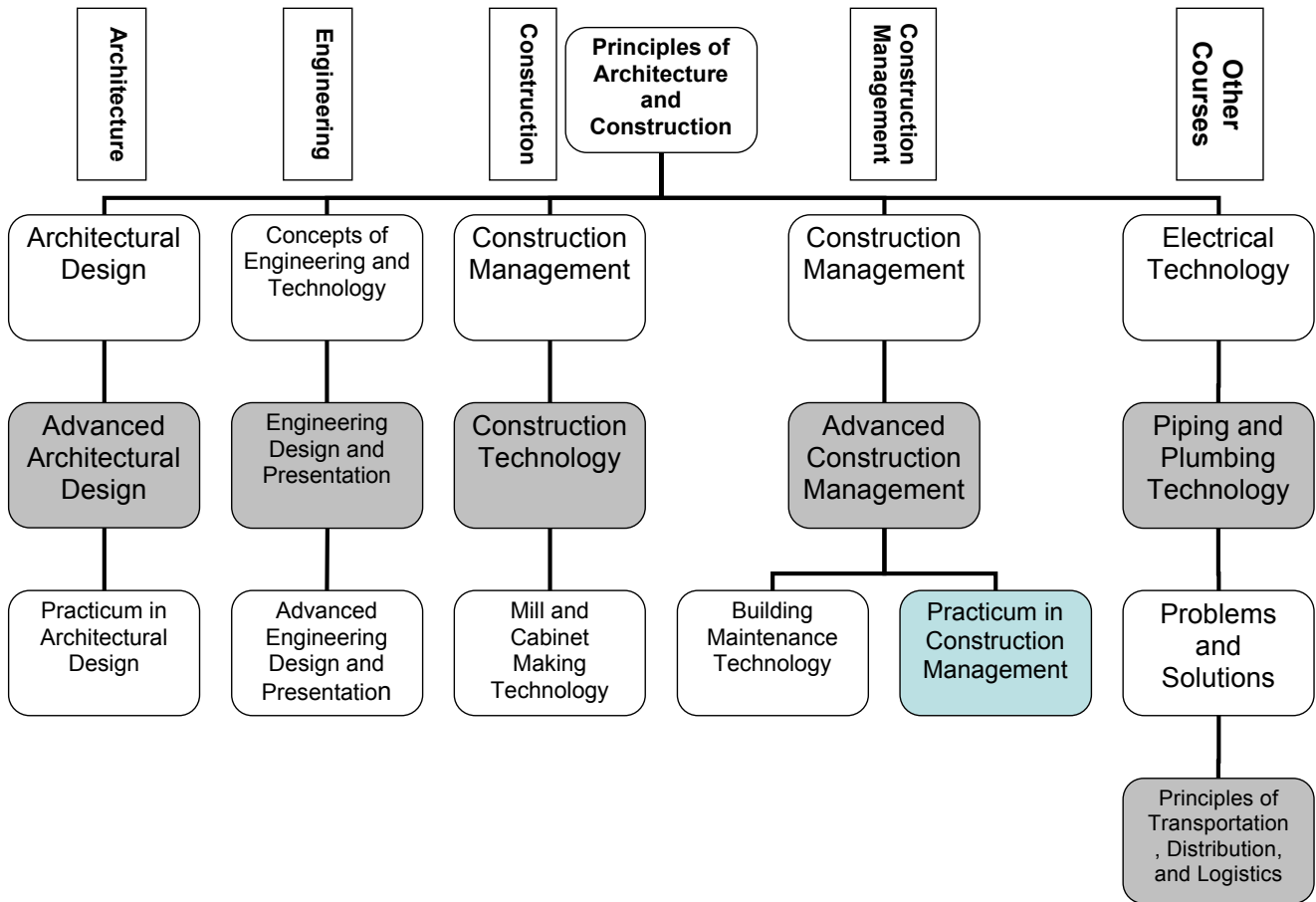
Course Requirements: This course is recommended for students in Grades 11-12.

Business Management**1 Credit**

Course Description: Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent manager, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Course Requirements: This course is recommended for students in Grades 10-12.

Career and Technology Education Clusters Architecture and Construction



Technology Education		
Architecture and Construction Cluster		
Technology Education: <u>Architecture Pathway</u>		credits
1st Year	Principles of Architecture and Construction (1) (PRINARCH)	1
2nd Year	Architectural Design (1) (ARCHDSN)	1
3rd Year	Advanced Architectural Design (2) (ADVARCH)	2
4th Year	Practicum in Architectural Design (2-3) (PRACADSN)	2-3
Technology Education: <u>Engineering Pathway</u>		credits
1st Year	Principles of Architecture and Construction (1) (PRINARCH)	1
2nd Year	Concepts of Engineering and Technology (1) (CONCENG)	1
3rd Year	Engineering Design and Presentation (1) (ENGDSRP)	1
4th Year	Advanced Engineering Design and Presentation (2) (ADVENGDP)	2
Technology Education: <u>Woodworking/Construction Pathway</u>		credits
1st Year	Principles of Architecture and Construction (1) (PRINARCH)	1
2nd Year	Construction Management (1) (CONSTMGT)	1
3rd Year	Construction Technology (1) (CONSTECH)	1
4th Year	Mill and Cabinetmaking Technology (2) (MACTECH)	2
Technology Education: <u>Woodworking/Construction Pathway (toward Construction Management)</u>		credits
1st Year	Principles of Architecture and Construction (1) (PRINARCH)	1
2nd Year	Construction Management (1) (CONSTMGT)	1
3rd Year	Building Maintenance Technology (1) (BUILDMAN)	1
4th Year	Advanced Construction Management (2) (ADVCONST)	2
4th Year	Practicum in Construction Management (2-3) (PRACCONS)	2-3
Technology Education: <u>Other Technology Education courses</u>		credits
prerequisite: must have at least 3 credits from the same pathway.(or Teacher and/or Administrator Approval)		
	Electrical Technology (1) (ELECTECH)	1
	Piping and Plumbing Technology (1) (PIPLTECH)	1
	Problems and Solutions (1/2-1) (PROBS1)	(1/2-1)
	Principles of Transportation, Distribution, and Logistics (1/2-1) (PRINTDL)	(1/2-1)

TECHNOLOGY EDUCATION **(Architecture and Construction)**

Principles of Architecture and Construction (PRINARCH)

1 credit

Principles of Architecture and Construction provides an overview to the various fields of architecture, construction science, and construction technology. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; and reading technical drawings

Grade Placement: 9-12 (First Year Course for all Technology Education Courses)

Architectural Design (ARCHDSN)*

1 credit

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, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes.

Grade Placement: 2nd Year in the Architecture Courses

Prerequisite: Principles of Architecture and Construction

Concepts of Engineering and Technology (CONCENGT)*

1 credit

Concepts of Engineering and Technology provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields and will be able to make informed decisions regarding a coherent sequence of subsequent courses. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

Grade Placement: 2nd Year in the Engineering Courses

Prerequisite: Principles of Architecture and Construction

Construction Management (CONSTMGT)*

1 credit

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.

Grade Placement: 2nd Year in the Construction / Construction Management Courses

Prerequisite: Principles of Architecture and Construction

Advanced Architectural Design (ADVARCH)*

2 credit

In Advanced 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. Advanced Architectural design includes the knowledge of the design, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes.

Grade Placement: 3rd Year in the Architecture Courses

Prerequisite: Architectural Design

Engineering Design and Presentation (ENGDSPP)*

1 credit

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.

Grade Placement: 3rd Year in the Engineering Courses

Prerequisite: Concepts of Engineering and Technology

Construction Management (CONSTMGT)***1 credit**

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.

Grade Placement: 2nd Year in the Construction / Construction Management Courses

Prerequisite: Principles of Architecture and Construction

Building Maintenance Technology (BUILDMAN)***1 credit**

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 and electrical systems. Additionally, students learn methods for repair and installation of drywall, roof, and insulation systems.

Grade Placement: 4th Year in the Construction Management Courses

Prerequisite: Advanced Construction Management

Practicum in Architectural Design (PRACADSN)***2-3 credit**

Practicum in Architectural Design is an occupationally-specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study.

Grade Placement: 4th Year in the Architecture Courses

Prerequisite: Advanced Architectural Design

Advanced Engineering Design and Presentation (ADVENGDP)***2 credit**

This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering thought and application of the design process.

Grade Placement: 4th Year in the Engineering Courses

Prerequisite: Engineering Design and Presentation

Mill and Cabinetmaking Technology (MACTECH)***2 credit**

In Mill and Cabinetmaking Technology, students gain knowledge and skills specific to those needed to enter the work force in the area of mill work and cabinet manufacturing and installation. The student may also apply these skills to professions in carpentry or building maintenance supervision or use the skills as a foundation for a postsecondary degree in construction management, architecture, or engineering.

Grade Placement: 4th Year in the Construction Courses

Prerequisite: Construction Technology

Advanced Construction Management (ADVCONST)***2 credits**

In Advanced Construction Management, students gain knowledge and skills specific to those needed to enter the workforce 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.

Grade Placement: 3rd Year in the Construction Management Courses

Prerequisite: Construction Management

Practicum in Construction Management (PRACCONS)***2-3 credits**

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom.

Grade Placement: 4th Year in the Construction Management Courses

Prerequisite: Advanced Construction Management

Electrical Technology (ELECTECH)***1 credit**

In Electrical Technology, students gain knowledge and skills specific to those needed to enter the work force as an electrician or building maintenance supervisor or prepare for a postsecondary degree in construction. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

Grade Placement: 10-12

Prerequisite: Principles of Architecture and Construction

Piping and Plumbing Technology (PIPLTECH)***1 credit**

In Piping and Plumbing Technology, students gain knowledge and skills needed to enter industry as a plumber, pipe fitter, or building maintenance technician or supervisor or prepare for a postsecondary degree in construction management, architecture, or engineering.

Grade Placement: 10 -12

Prerequisite: Principles of Architecture and Construction

Problems and Solutions (PROBS1)**½ - 1 credit**

Problems and Solutions is a project-based research course for students who have the ability to research a real-world problem. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings. This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished Achievement Program.

Grade Placement: 11 -12

Prerequisite: Principles of Architecture and Construction

Principles of Transportation, Distribution, and Logistics (PRINTDL)**½ - 1 credit**

In Principles of Transportation, Distribution, and Logistics, students gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation, distribution, and logistics industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

Grade Placement: 10 -12

Prerequisite: Principles of Architecture and Construction

***Courses offer Career Safe Certification**

TECHNOLOGY APPLICATIONS

Digital Design and Media Production**1 Credit**

A course designed to introduce students to the Internet and web design through the creation of various web sites.

Grade Placement: 9-12

Prerequisite: None

Digital Art and Animation**1 Credit**

A course designed to develop skills associated with computer art and animation.

Grade Placement: 10-12

Digital Video and Audio design**1 Credit**

A course designed to develop skills associated with digital video and audio used in web design and film.

Grade Placement: 10-12

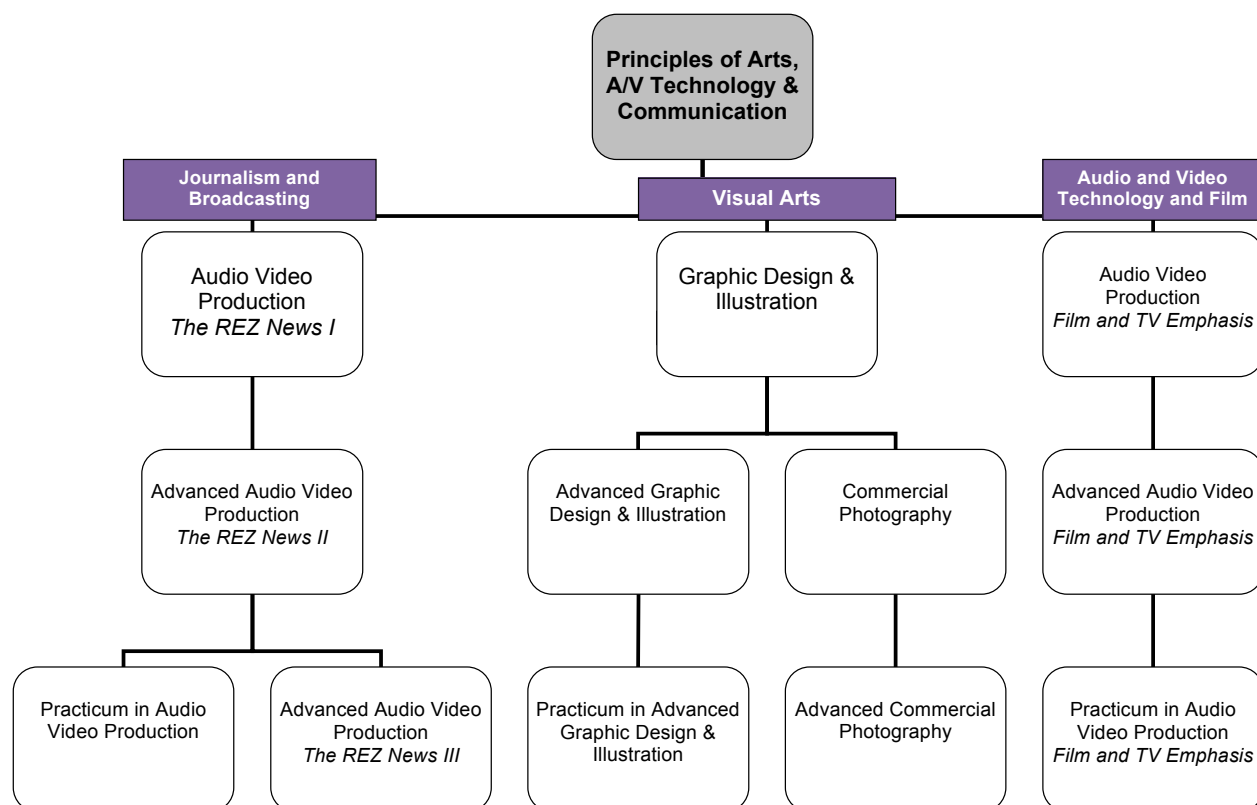
Computer Science I**1 Credit**

A course designed to teach various programming skills.

Grade Placement: 12

Please check with the AHS counseling center or the audio/video instructor to see if these courses are available for the current school year.

Career and Technology Education Clusters Arts A/V Technology & Communication



Technology Education

Arts, Audio/Video Technology & Communications

Journalism and Broadcasting

1st Year	Principles of Arts, Audio Video Technology, and Communications (1/2-1) (PRINAAVTC)
2nd Year	Audio Video Production (1-2) (AVPROD)
3rd Year	Advanced Audio Video Production (2-3) (ADVAVPRO)
4th Year	Practicum in Audio Video Production (2-3) (PRACAVT)

Visual Arts

1st Year	Graphic Design and Illustration (1-2) (GRAPHDI)
	Option "A"
2nd Year	Advanced Graphic Design and Illustration (2-3) (ADVGRADI)
3rd Year	Practicum in Graphic Design and Illustration ((2-3) (PRACCGRADI)
4th Year	See Above
	Option "B"
2nd Year	Commercial Photography (1-2) (COMMPHOT)
3rd Year	Advanced Commercial Photography (2-3) (ADVCOMMP)
4th Year	See Above

Audio and Video Technology and Film

1st Year	Principles of Arts, Audio Video Technology, and Communications (1/2-1) (PRINAAVTC)
2nd Year	Audio Video Production (1-2) (AVPROD)
3rd Year	Advanced Audio Video Production (2-3) (ADVAVPRO)
4th Year	Practicum in Audio Video Production (2-3) (PRACAVT)

ARTS, AUDIO, VISUAL TECHNOLOGY AND COMMUNICATION

Principles of Arts, A/V Technology & Communication

1 Credit

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

Grade Placement: 9-12

Audio Video Production – Film and TV Emphasis

1 Credit

Careers in audio and video technology and film production span all aspects of the audio video communications industry. 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 the industry with a focus on pre-production, production, and post-production audio and video activities.

Grade Placement: 10-12

Required Prerequisite: Principles of Arts, A/V Technology & Communication

Advanced Audio Video Production – Film and TV Emphasis

2 Credits

Careers in audio and video technology and film production span all aspects of the audio video communications industry. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including both audio and video.

Grade Placement: 10-12

Required Prerequisite: Principles of Arts, A/V Technology & Communication, Audio Video Production

Practicum Audio Video Production

3 Credits

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology and Communications career cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video activities in a studio environment. This course may be implemented in an advanced audio, video, or animation format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Grade Placement: 11-12

Recommended Prerequisite: Principles of Arts, A/V Technology & Communication, Audio Video Production, and Advanced Audio Video Production

Audio Video Production – The REZ News

1 Credit

Careers in audio and video technology and film production span all aspects of the audio video communications industry. 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 the industry with a focus on pre-production, production, and post-production audio and video activities.

Grade Placement: 10-12

Required Prerequisite: Principles of Arts, A/V Technology & Communication

Advanced Audio Video Production – The REZ News

2 Credits

Careers in audio and video technology and film production span all aspects of the audio video communications industry. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including both audio and video.

Grade Placement: 10-12

Required Prerequisite: Principles of Arts, A/V Technology & Communication, Audio Video Production

Practicum Audio Video Production – Broadcast News Internship**3 Credits**

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology and Communications career cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video activities in a studio environment. This course may be implemented in an advanced audio, video, or animation format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Grade Placement: 11-12

Recommended Prerequisite: Principles of Arts, A/V Technology & Communication, Audio Video Production, and Advanced Audio Video Production

Graphic Design and Illustration**1 Credit**

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Grade Placement: 10-12

Recommended Prerequisite: Principles of Arts, A/V Technology & Communication

Advanced Graphic Design and Illustration**2 Credits**

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

Grade Placement: 10-12

Recommended Prerequisite: Principles of Arts, A/V Technology & Communication, and Graphic Design and Illustration

Practicum in Graphic Design and Illustration**3 Credits**

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. 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 a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Grade Placement: 11-12

Recommended Prerequisite: Principles of Arts, A/V Technology & Communication, and Graphic Design and Illustration, Advanced Graphic Design and Illustration

Commercial Photography**1 Credit**

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

Grade Placement: 11-12

Recommended Prerequisite: Principles of Arts, A/V Technology & Communication, and Graphic Design and Illustration

Advanced Commercial Photography**2 Credits**

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

Grade Placement: 11-12

Recommended Prerequisite: Principles of Arts, A/V Technology & Communication, and Graphic Design and Illustration, Commercial Photography

HEALTH SCIENCE TECHNOLOGY

Principles of Health Science

1/2 Credit

This class provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

Grade Placement: 11-12

Prerequisite: None

Medical Terminology

1/2 Credit

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Grade Placement: 11-12

Prerequisite: None

Health Science

1 Credit

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

Grade Placement: 11-12

Prerequisite: Principles of Health Science

CAREER TECHNOLOGY PROGRAMS

Laboratory Programs

The following one or two hour daily vocational industrial pre-employment laboratory courses are designed as two year training programs available to both girls and boys. Students accepted in these classes are expected to continue through the second year to complete successfully the developmental job skills. The Hill College classes are taught at the Cleburne campus and will require five class periods for the class and to allow for travel time. Students need to have a Hill College Vocational Agreement signed by their parents before the beginning of Hill College classes. Transportation to the Cleburne campus must be provided by student.

Auto Technology (Snap-On Tools)

2 Credits (Hill College class)

An introduction to the automobile industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, fasteners, professional responsibilities, and automobile maintenance. Also covers the theory of automotive suspension and steering systems including the theory of wheel and tire construction and alignment angles and procedures.

Grade Placement: 11-12

Cosmetology

2 Credits (Hill College class)

Presents a pre-employment laboratory course with job specific training for entry level employment in cosmetology careers. Includes sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning creams and color rinses, application of scalp and hair treatments, shaping and thinning hair, hair-styling, permanent waving, hair coloring, manicuring, facial massage, facial make-up, entrepreneurship, safety, leadership, and career opportunities.

Grade Placement: 11-12

Heating and Air Conditioning

2 Credits (Hill College class)

A study of applied electricity, wiring of residential refrigeration and air conditioning equipment along with systematic analysis of problems occurring in these systems. Laboratory assignments will include circuitry and cycle problems.

Grade Placement: 12

Electronics

2 Credits (Hill College class)

A study of the structure of matter and the analysis of current and voltage behavior in simple and complex circuits. Material covered includes electricity, magnetism, electronic terms and symbols, laws, theorems, concepts, and applications. Concepts of AC Electronics will include alternating current, inductance, capacitance, capacitive circuits, RCL circuits, power, motors, generators, and semiconductors. Emphasis is placed on hands on experience using test equipment and prototype training devices.

Grade Placement: 12

HILL COLLEGE DUAL CREDIT THROUGH LONG DISTANCE LEARNING

(use of telecommunications lab with a proctor - use of Hill College teachers)

MATH 1314 College Algebra

3 Hours College Credit
HS Math Elective

This course offers quadratic equations, graphs, functions, systems of equations, matrices and determinants, theory of equations, inequalities, ratios and proportions, variations, sequences and series, and the binomial theorem.

Prerequisites: Two years of high school algebra

MATH 1316 Plane Trigonometry

3 Hours College Credit
HS Math Elective

Definition of trigonometric functions, angular measure, identities, trigonometric functions, solution of triangles, functions of composite angles.

Prerequisites: None (Note: Two years of high school algebra)

SPCH 1315 Public Speaking

3 Hours College Credit
HS Elective - Will not count as Professional Communications

This is a practical course in public speaking, employing oral assignments, demonstrating the ability to choose a topic, do research, organize a speech, and deliver it with maximum control over stage fright. Students prepare and deliver a minimum of four speeches, followed by critiques.

Grade Placement: Senior Year

This course may be offered as a hybrid course - one day in class with teacher and the other day online

GOVT 2305 American Government

3 Hours College Credit
HS Government

Covers the origin and development of constitutional democracy in contrast with other governmental organizations; the federal system, the individual voter, political parties and pressure groups. It includes an analysis of the executive, legislative, and judicial branches of the government in relation to foreign relations, national defense, finance, business commerce, conversation, labor, and welfare.

Grade Placement: Senior Year

ECON 2301 Principles of Macro Economics

3 Hours College Credit
HS Economics

A study of fundamental economic concepts, macro economic principles, national income analysis, role of the government, money and banking, and economic fluctuations.

Grade Placement: Senior Year

HIST 1301 History of the United States to 1877

3 Hours College Credit
HS Social Studies Elective - fall semester

A survey of the history of the United States from its European background through the Reconstruction Era with emphasis on colonization, the War of Independence, the Jefferson and Jackson Ages, Westward Movement events leading to and the fighting of the War Between the States, and the Reconstruction Era of 1865-1877. All aspects of history are considered; social, political, economic, and military.

Grade Placement: Junior Year

HIST 1302 History of the United States from 1877

3 Hours College Credit
HS Social Studies Elective - spring semester

The survey of the United States from 1877 to the present, starting with the Hays administration, emphasizing industrial growth, social changes and reforms and the role of the United States in 20th Century reforms, political trends, international commitments and leadership.

Grade Placement: Junior Year

PSYC 2301 General Psychology

3 Hours College Credit
HS Elective

The course is a descriptive survey of the field of psychology. Topics include: theory and research development, perception, learning, thinking, emotions, motivation, personality, descriptions of and treatment of mental illness.

Grade Placement: Senior Year

This course may be offered as a hybrid course - one day in class with teacher and the other day online.

2016 seniors took HS US History as Freshmen, they may take US as a dual college class and as a HS elective their junior or senior year or take Psychology and/or Public Speaking their junior year with their other dual classes if they wish.

Graduation Plan for Students who Entered Ninth Grade in 2013 or Earlier

http://www.tea.state.tx.us/index2.aspx?id=5324&menu_id=720

Distinguished Academic Program

The student must successfully complete a minimum of four advanced measures

English	4 credits
Algebra I	1 credit
Geometry.....	1 credit
Algebra II	1 credit
Pre-Calculus (AQR or AP Calculus/Dual Math)	1 credit
Biology.....	1 credit
Chemistry	1 credit
Physics	1 credit
Anatomy/Physiology or AP Environmental Science/Physics	1 credit
World History.....	1 credit
World Geography.....	1 credit
United States History	1 credit
Government.....	1/2 credit
Economics.....	1/2 credit
Foreign Language (Same Language).....	3 credits
Physical Education/Band/Army JROTC.....	1 credits
Technology Applications.....	1 credit
Communication Applications.....	1/2 credit
Fine Arts.....	1 credit
Electives (State Approved)	3 credits
Total	26 credits

Recommended Academic Program

English	4 credits
Algebra I	1 credit
Geometry.....	1 credit
Math Models (or Algebra II).....	1 credit
Algebra II or (AQR or Pre-Calculus/Dual Math)	1 credit
Biology.....	1 credit
Chemistry.....	1 credit
Physics	1 credit
4th Science (IPC, Environmental Systems, A&P, Aquatics, Forensic Science)	1 credit
World History.....	1 credit
World Geography.....	1 credit
United States History	1 credit
Government.....	1/2 credit
Economics.....	1/2 credit
Foreign Language (Same Language).....	2 credits
Physical Education/Band/Army JROTC.....	1 credits
Technology Applications.....	1 credit
Communication Applications.....	1/2 credit
Fine Arts.....	1 credit
Electives (State Approved)	4 credits
Total	26 credits

Minimum Academic Program

English	4 credits
Math (Math Models instead of Algebra 2).....	3 credit
Integrated Physics and Chemistry (IPC).....	1 credit
Biology.....	1 credit
Environmental Systems	1 credit
World History.....	1 credit
World Geography.....	1 credit
United States History	1 credit
Government.....	1/2 credit
Economics.....	1/2 credit
Physical Education/Band/Army JROTC.....	1 credits
Technology Applications.....	1 credit
Communication Applications.....	1/2 credit
Fine Art	1 credit
Electives (State Approved)	8 credits
Total	26 credits

Students can change to HB 5's new graduation plans if applicable and with parent permission - please consult your AHS counselor to see if you qualify and that the move is right for each student.