Gonzales High School

Achieve, Believe, Commit

Course Catalog

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“Education is the passport to the future, for tomorrow belongs to those who prepare for it today”

-Andy McIntyre

Mission:
As APACHES we must: *Achieve, Believe, and Commit*.

Vision:
Gonzales High School is dedicated to providing a safe environment with a positive focus on student growth to cultivate the next generation of learners.

Commitment Statements:
1. We will practice **understanding** with colleagues, students, and leadership.
2. We will establish an environment that promotes a lifetime **dedication** to learning.
3. We will emulate and embody **virtuous** morals with integrity, while leading by example.
4. We will cultivate an **attitude** of service, accountability, and personal growth.

School Wide Norms:
In order to be successful, I need to be able to:
- Learn through quality collaboration and discussion.
- Arrive on time prepared to ask probing questions leading to a focused discussion.
- Show mutual respect for others' thoughts and opinions without conflict.
- Cut distractions and stay on task.
- Actively engage in reaching productive outcomes.
- Have shared goals and expectations.
- Be willing to give and receive constructive feedback, ideas, and input.
- Allow time to think and process information before discussing and sharing.

While every effort has been made to make the information provided in this Guide as detailed and accurate as possible, there is no guarantee that it is 100% error-free, nor does it supersede established policies and rules as set forth by Gonzales ISD. Contact the counseling department for questions or clarifications. The information provided here is current as of February 2020.

It is the policy of Gonzales ISD to not discriminate on the basis of race, color, national origin, sex, age or disability in providing educational services, activities, and programs, including vocational programs, in accordance with Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; Section 504 of the Rehabilitation Act of 1973, as amended; the Age Discrimination Act of 1975, as amended; and Title I of the Americans with Disabilities Act. Gonzales ISD will take steps to ensure that the lack of English Language skills will not be a barrier to admission and participation in all educational and vocational programs.

DISTRICT ADMINISTRATION

Board of Trustees	
Glenn Menking	President
Gloria Torres	Vice President
Josie Smith-Wright	Secretary
Sandra Gorden	Member
Sue Gottwald	Member
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Gonzales ISD Administration	
John Schumacher	Superintendent
Dr. Lydia Barlett	Assistant Superintendent
Hailey Ratliff	Chief Human Resources Officer
Amanda Smith	Chief Financial Officer
Robin Trojcak	Director of Public Relations
Gene Kridler	Director of Operations
Erin LaBuhn	Director of Special Programs
Jennifer Needham	Director of Technology
Edward Wayner	Director of Food Services

GENERAL INFORMATION

The material in this course guide is intended to provide students with essential information concerning Texas graduation requirements, as well as Gonzales High School curriculum and course descriptions; including academic policies and procedures for the next school year. Students who plan to attend college after graduation should also research and consider the requirements outlined by that institution when selecting courses.

In addition to the comprehensive information in this booklet, the counselors at Gonzales High School will make every effort to provide students and parents with additional information concerning graduation requirements and post-secondary planning. Research information, computer technology and assistance are also available through the Gonzales High School College and Career Center. However, it is ultimately the responsibility of the student with the assistance of his/her parents to become familiar with the graduation programs, select the program that best meets his/her postsecondary goals, and meet those related requirements.

We are pleased to assist with questions or concerns. You may contact the Counseling Center and the College & Career Center at 830-672-7535.

Gonzales High School Administration and Staff

Principal	Michael Garza
Secretary to the Principal	Tyree LaFleur
Assistant Principals	Wendy Cox Allison Marrow
Academic Dean	James Hamilton
Athletic Director	Michael Waldie
CTE Lead & Campus Testing Coordinator	Michael Moers
Special Education Coordinator	Angela Tullos
Registrar	Susan Barfield
Attendance	Rebecca McKay
School Nurse	Julie Esparza
Receptionist	Michelle Vega

Gonzales High School Counselors

Counselor Student Last Names (A-L)	Audra Holifield
Counselor Student Last Names (M-Z)	Miriam Lopez
SEL Counselor and 504 Coordinator	Lauren Selzer
Community in Schools	Jennifer Sampleton
College and Career Center/ ACE Center	Luz Moreno / Marco Alva

Table of Contents

GRADUATION PROGRAMS

Passed by the 83rd Texas Legislature, House Bill 5 (HB5) revises the graduation program for a STUDENT ENTERING GRADE 9 IN THE 2014-2015 SCHOOL YEAR AND ALL SUBSEQUENT YEARS. The new law establishes the following high school graduation plans: Foundation Program, Foundation Program with an Endorsement, and the Distinguished Level of Achievement. ***HB5 states that the Foundation Plan with an Endorsement is the default high school graduation plan for all students. This plan requires that a student entering grade 9 specify in writing which endorsement he/she will earn.***

	Graduation Program Overview		
	DISCIPLINE	**CREDITS REQUIRED**	
	ENGLISH	4 credits	Eng I, Eng II, Eng III,An additional English Course
	MATHEMATICS	3 Credits	Algebra I, Geometry, An additional Math Course
	SCIENCE	3 Credits	Biology ,Chem, Physics, an Advanced Science course
	SOCIAL STUDIES	3 Credits	World History or World Geography , Us History, US Government/Economics
	PHYSICAL EDUCATION	1 Credit	Physical education or state approved alternative (athletics, marching band, ROTC etc.)
	FINE ARTS	1 Credit	One credit of the same fine art course
	FOREIGN LANGUAGE	2 Credits	The credits must consist of any two levels in the same language
	ELECTIVES and CTE	5 Credits	The credits must be selected from the list of courses in this handbook
	SPEECH	Demonstrate Proficiency	
1	**FOUNDATION HSP WITHOUT AN ENDORSEMENT** *(Committee Approval is Required)*	• Must complete all above credits.	
	TOTAL CREDITS WITHOUT ENDORSEMENT = 22		
2	**FOUNDATION HSP WITH AN ENDORSEMENT** *(The 5 Endorsements are listed in detail below)*	(+) 4 credits- A STUDENT MAY EARN AN ENDORSEMENT BY SUCCESSFULLY COMPLETING: • Four credits in Mathematics • Four credits in Science • Four credits in Social Studies • Two additional elective credits	
	STEM	**Includes courses directly related to:** ***Science *Engineering *Technology *Advance Math**	
	Business & Industry	**Includes courses directly related to:** ***Agriculture Food & Natural Resource * Arts, Visual Video Technology and Communications** ***Hospitality & Tourism *Business & Finance *Transportation/Logistics *Manufacturing**	
	Public Service	**Includes courses directly related to:** ***Health Science *Education *Human Services *Law Public Safety and Corrections**	
	Arts & Humanities	**Includes courses directly related to:** ***Political Science * World Languages *Fine Arts *History *Cultural Studies**	
	Multidisciplinary Studies	**Allows a student to select courses from the curriculum of each endorsement area and earn credits in a variety of advanced courses from multiple content areas sufficient to complete the distinguished level of achievement.**	
	TOTAL CREDITS WITH ENDORSEMENT = 26		
3	**DISTINGUISHED ACHIEVEMENT** *(Eligible for College Automatic Admissions)*	• Four Credits in Mathematics including Algebra II • Four Credits in Science • Completion of curriculum requirements for at least one endorsement	
	PERFORMANCE ACKNOWLEDGEMENT	A Student may earn a performance acknowledgement on the students transcript: 1.- For Outstanding Performance • In Dual Credit Courses • In Bilingualism and Bi-literacy • On AP test • On the PSAT, The SCT plan, SAT or ACT 2.- For earning a nationally or internationally recognized or industry certification or license	

ACADEMIC COURSE GUIDE

GHS Students are expected to graduate with 26 credits.

Foundation Requirements + Endorsement Pathway

Distinguished Level of Achievement must include Algebra II.

English (4 Credits)	Social Studies (4 Credits)
• English I • English II • English III • English IV	• World Geography • World History • US History • Government/Economics
Math (4 Credits)	**Fine Art (1 Credit)**

• Algebra 1
• Geometry
• Algebra II, Math Models, Algebraic Reasoning
• Advanced Math
  ○ Algebra II
  ○ Pre Calculus
  ○ Pre Calculus Honors
  ○ Statistics
  ○ College Prep Math
  ○ AP Calculus
	• Art
	• Band (Spring Only, max 2 years)
	• Choir
	• Floral Design (CTE)
	• Theatre

Science (4 Credits)	**PE (1 Credit)**

• Biology or Biology Honors
• Chemistry or Chemistry Honors
  ○ Or IPC (based on need)
• 3rd and 4th credit options:
  ○ Physics or Pre AP Physics
  ○ Aquatic Science
  ○ Astronomy
  ○ Environmental Science
  ○ Animal Science (CTE)
  ○ Forensic Science (CTE)
  ○ Anatomy and Physiology (CTE)
  ○ AP Chemistry
  ○ AP Biology
	• PE
	  ○ Foundations of Personal Fitness (PE 9th)
	  ○ Aerobics Movement (PE 10th)
	  ○ Individual Team sports (PE 11th)
	  ○ Adventure Outdoor (PE 12th)
	• Athletics (4 Max.)
	• ROTC (4 Max.)
	• Marching Band (Fall Only, Max. 2 years)

LOTE (2 credits of same Language)	**Electives (5 credits to include courses for the Endorsement Pathway)**
• Year 1 Spanish • Year 2 Spanish	**CTE (1 credit)**

Course Weighted GPA Scale

Regular Classes 4.0 GPA Scale Honors Classes 5.0 GPA Scale DC/AP Classes 6.0 GPA Scale

Credits Earned	Classification
0 - 5.5 credits	Freshman
6 - 11.5 credits and 2nd year in HS	Sophomore
12 - 17.5 credits and 3rd year in HS	Junior
18 - 25.5 credits and 4th year in HS	Senior

ENDORSEMENT PATHWAYS AT GISD HIGH SCHOOL

Multidisciplinary
Completion of Foundation Plan and one of the following Option 1: 4 credits in each core foundation subject(English, Science, Math and Social Studies) Option 2: 4 credits in advanced placement or dual credit courses

Arts and Humanities	
LOTE	4 credits of the same language or Two credits of any two languages (total of 4 credits)
Fine Arts	Four credits from any one discipline Art, Band, Theatre, Choir

Business and Industry					
PATHWAY	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Certification(s)**
Agriculture, Food, & Natural Resources: **Animal Science**	**PRINAFNR** Prin. of Ag, Food, & Natural Resources	**LIVEPROD** Live Stock Production OR **SMANIMGT** Small Animal Mgmt. / **EQUINSC** Equine Science	**VETMEDAP** Veterinary Medical Applications	**ADVANSCI** Adv. Animal Science	-Licensed Breeder -Licensed Veterinary Technician (LVT)
Agriculture, Food, & Natural Resources: **Applied Agricultural Engineering**	**PRINAFNR** Prin. of Ag, Food, & Natural Resources	**AGMECHMT** Ag. Mechanics & Metal Technologies	**AGSDF** Ag. Structures Design & Fabrication (Woodshop)	**AGEQDF** Ag. Equipment, Design, & Fabrication (Metal)	-OSHA 30-hour General Industry
Agriculture, Food, & Natural Resources: **Plant Science**	**PRINAFNR** Prin. of Ag, Food, & Natural Resources	**FLORAL** Floral Design	**ADVFLDES** Advance Floral Design	**ADVPSSCI** Adv. Plant & Soil Science	-Floral Designer
Manufacturing: **Welding**	**PRINAFNR** Prin. of Ag, Food, & Natural Resources OR **WFECGT** Wildlife, Fisheries, and Ecology Management	**AGMECHMT** Ag. Mechanics & Metal Technologies	**WELD1** Welding 1 (2 periods)	**WELD2** Welding 2 (2 periods)	-AWS D1.1 Structural Welding Steel -AWS D9.1 Sheet Metal
Arts, AV, Tech, & Communication: **Digital Communications**	**AVPROD1** AV Production 1	**AVPROD2** AV Production 2	**PRACAVT** Practicum of AV Production	**PRACAVT2** Practicum of AV Production 2	- Adobe Associate - Adobe Expert
Arts,AV,Tech & Communication: **Design and Multimedia**	**GRAPHDI1** Graphic Design 1	**GRAPHDI2** Graphic Design 2	**PRIMTEC1** Printing & Imaging Technology 1	**PRIMTEC2** Printing & Imaging Technology 2 OR **PRACGRAD1** Practicum in Graphic Design and Illustration	- Adobe Associate - Adobe Expert
Hospitality & Tourism: **Culinary**	**PRINHOSP** Principles of Hospitality and Tourism	**INCULART** Intro. Culinary Arts	**CULARTS** Culinary Arts (2 periods)	**ADCULART** Advanced Culinary Arts (2 periods)	- National Restaurant Association Servsafe Manager - ACF Certified Fundamentals Cook
Transportation Distribution/Logistics: **Automotive**	**PRINTRSY** Prin. of Transportation Systems Or **SMENTEC1** Small Engine Tech 1	**AUTOBASC** Automotive Basics	**AUTOTEC1** Auto Technology 1 (2 periods)	**AUTOTEC2** Auto Technology 2/ Lab (2 periods)	- ASE Entry Level in: - Engine Repair - Electrical - Brakes - Suspension & Steering - Maint. & Light Repair
Business, Marketing, and Finance: **Accounting & Financial Services**	**PRINBMF** Principles of Business, Marketing Management, and Finance	**MONEYM** Money Matters	**BUSIM1** Business Info. Management 1	**FINANAL** Financial Analysis	-Google Cloud Professional -G Suite -Microsoft Office Expert: Excel -Microsoft Office Expert: Word

Public Service					
PATHWAY	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Certification(s)**
Health Science **Nursing Science**	**PRINHLSC** Principles of Health Science	**MEDTERM** Medical Terminology	**ANATPHYS** Anatomy and Physiology	**(Code TBD by State)** Practicum of Nursing	-Nurse Aide Assistant
Law Public Safety and Corrections **Emergency Services**	**PRINHLSC** Principles of Health Science	**FIRE1** Firefighter 1	**FIRE2** Firefighter 2	**PRACLPCS** Practicum in Law Public Safety Corrections and Security	-Fire Protection
Education and Training **Teaching and Training**	**PRINHUSB** Prin. Of Human Services	**CHILDDEV** Child Development **HUGRDEV** Human Growth Dev	**INPREDTR** Instructional Practices (2 periods)	**PRACEDTR** Practicum in Education and Training	-Educational Aide 1
Human Services **Cosmetology**	**PRINHUSB** Prin. Of Human Services	**INTCOSMO** Intro to Cosmetology	**COSMET1** Cosmetology 1 (3 periods)	**COSMET2** Cosmetology 2 (3 periods)	-Cosmetology Operator License
Junior Reserve Officer Training Corps	**NNDCC1** Naval National Defense Cadet Corps 1	**NNDCC2** Naval National Defense Cadet Corps 2	**NNDCC3** Naval National Defense Cadet Corps 3	**NNDCC4** Naval National Defense Cadet Corps 4	A student who successfully completes a JROTC program can enter the service at a higher rank. That means higher pay. Students can also enter a senior ROTC program in college at a higher rank. JROTC students are under no obligation to Join the military.

Science, Technology, Engineering & Math STEM MUST COMPLETE Algebra II, Chemistry & Physics				
PATHWAY	**Year 1**	**Year 2**	**Year 3**	**Year 4**
STEM **Science Pathway** 5 Credits in science including Biology Chemistry and Physics	3011_Biology or 3113_ Biology Honors	3021_Chemistry or 3123_ Chemistry Honors	3031_Physics or 3133_Physics Honors & Advanced Science (See chart below)	Advanced Science 3233_ AP Biology 3223_ AP Chemistry
STEM **Math Pathway** 5 Credits in Math including Algebra II	2011_Algebra 1 Or 2113_Algebra I Honors	2021_Geometry Or 2123_Geometry Honors	2031_Algebra 2 or 2133_Algebra Honors & Advanced Math	Advanced Math (See chart below)
STEM **Programing and Software Development**	**TAFCS** Fundamentals of Computer Science	**TACS1** Computer Science 1 **APCSPRIN** AP Computer Science Principles	**TACS2** Computer Science 2	**APTACSA** AP Computer Science A

Advanced Science		Advanced Math	
3421 Aquatic Science	11-12_1.0	**2301** Statistics	11-12_1.0
3531 Astronomy	11-12_1.0	**2051** Pre-Calculus	11-12_1.0
3651 Anatomy/Physiology	11-12_1.0	**2041** College Prep Math	11-12_1.0
FORENSCI Forensic Science	11-12_1.0	**2263** AP Calculus	11-12_1.0
5205 Adv. Animal Science	11-12_1.0		
5274 Adv.Plant/Soil Science	11-12_1.0		

GHS SCHOOL TESTING

State Of Texas Assessments of Academic Readiness (STAAR)

STAAR end-of-course (EOC) assessments are administered for the following courses:
Algebra I, Biology, English I, English II, and U.S. History.

STAAR is a more rigorous assessment program that provides the foundation for a new accountability system for Texas public education. Satisfactory performance on the applicable assessments is required for graduation, unless otherwise waived or substituted as allowed by state law and rules. There are three testing windows during the year in which a student may take an EOC assessment, which will occur during the fall, spring, and summer months. If a student does not meet satisfactory performance, the student will have additional opportunities to retake the assessment. Students who do not meet satisfactory performance will be placed in an intervention class which may replace an elective in a student schedule.
In limited circumstances, a student who fails to demonstrate proficiency on two or fewer of the required assessments may still be eligible to graduate if an Individual Graduation Committee (IGC).

2020–2021 Assessments			
STAAR EOCs	**Fall (Make ups)** Algebra I Biology U.S. History English I English II	**Spring (1st Admin.)** Algebra I Biology U.S. History English I English II	**Summer (2nd Admin.)** Algebra I Biology U.S. History English I English II
PSAT	The PSAT is mostly a practice version of the SAT®, but it can also lead to more money for college. The highest performers on this exam are eligible to earn scholarships, and even just becoming a Commended Scholar can be a helpful addition to your application.		
TSIA	The Texas Success Initiative Assessment, better known as the TSI test, is a program which determines the appropriate level of college coursework for an incoming student. The TSI test consists of three separate exams: Mathematics, Reading, and Writing. Successful scoring on the TSI proves your readiness for college-level course work and will save you substantial time and money by allowing you to avoid remedial classes.		
ACT	The ACT is a standardized test that measures a student's skills in five core areas: English, math, reading, science, and writing (optional). Students in grades 11 and 12 take the ACT so that they can submit their scores to colleges as part of the college application process.		
SAT	The SAT is a multiple-choice, pencil-and-paper test created and administered by the College Board. The purpose of the SAT is to measure a high school student's readiness for college, and provide colleges with one common data point that can be used to compare all applicants.		
ASVAB	The Armed Services Vocational Aptitude Battery (ASVAB) is a multiple choice test, administered by the United States Military Entrance Processing Command, used to determine qualification for enlistment in the United States Armed Forces.		

******2020-2021 Testing Dates TBD***

SCHEDULE CHANGES

The campus master schedule is based on student course requests and becomes locked in for the academic year. When selecting required core courses and desired electives, choices are binding and should be carefully chosen. Schedules are determined by course selections; therefore, schedule changes will ONLY be made under the following circumstances:

- Senior is not enrolled in a class REQUIRED for graduation
- Student scheduled for a class for which he/she already has credit
- Student is scheduled into a class for which the student does not have the prerequisite
- Counselor's scheduling error
- Balancing of class sizes
- Student needs to add a course to be a full time student/has an incomplete schedule
- Student is cut from any extracurricular program (WITHIN THE CUT DEADLINE)
- IEP/504 Committee decision
- Students may request a schedule change from an Advanced/AP/DC class under the following conditions:
  1) A grade of "75" or below for the 1st six weeks
  2) At the conclusion of the 1st semester
  3) Within the "drop" guidelines of Victoria College for Dual Credit

Note: Grade points are awarded for courses at semester. If a student moves at the end of the 1st six weeks grading period, the grade transfers to the level class and to a level grade. If a student moves at the end of the semester, the semester grade will receive the advanced grade points.

How to Handle a Schedule Concern

Students must complete and turn in the Schedule Concern-Error Notification Form, which is available in the Counseling Center, no later than 5 days after the first day of class.

- Until your concern is addressed, YOU MUST FOLLOW YOUR CURRENT SCHEDULE.
- No student is to leave a class for a schedule concern unless summoned by a counselor.
- Requests that are NOT turned in by the deadline stated on the form will not be honored!

The following Schedule Change requests will NOT be approved:

- Teacher change
- Lunch change
- Elective change
- Drop a course after the drop deadline
- Add a course after the add deadline
- Drop an advanced course after the drop deadline
- Class period change

HONORS COURSES

Honors, Dual Credit (DC), and Advanced Placement (AP) courses are offered to prepare students in post-secondary readiness. Enrollment in Honors, DC, and AP is based on state testing performance on STAAR ("Meets" level or higher) or TSI (proficient standing).

ADVANCED PLACEMENT (AP) COURSES

The Advanced Placement (AP) Program is a program of college-level courses and exams for secondary students provided on the high school campus. The Advanced Placement Program is administered by the College Board and is a national program. For students who are willing and able to apply themselves to college-level studies while in high school, the program enriches both the secondary and post-secondary educational experience. It also provides the means for colleges to grant credit, placement, or both to students who have attained mastery on an AP Exam. **All students enrolled in AP courses will be required to take the AP exam. Students will be required to pay a cancellation fee if they are identified as a no show.** Colleges may award credit based on the score of the AP Exam. Approximately 2,200 colleges receive these grades and use them as the basis for granting credit and/or placement to entering students whose scores meet their requirements. AP testing is available for all students whether they are enrolled in the course or not.

GHS Offers Advance Placement for the following courses:

- AP Calculus
- AP Chemistry
- AP Biology
- AP Spanish Language And Culture
- AP Computer Science A

Students may exit an advanced/AP course with parent approval within the first 10 days of the beginning of school or with teacher grade verification at the end of the 1st six weeks of the first semester if they have an average below 75 or they may exit at the end of the first semester. If there is no level course for students to exit to, then the student must remain in the class. When a student transfers from an advanced/AP course, the grades for that student will transfer to the course in which the student enters. If a student moves at the end of the 1st six weeks grading period, the grade transfers to the level class and to a level grade. If a student moves at the end of the semester, the semester grade will receive the advanced grade points.

DUAL CREDIT (DC) COURSES

Dual Credit allows a student to earn high school credit while completing a college course. Dual credit is part of Victoria College program, designed specifically for high school juniors and seniors ready for college-level instruction. Students who demonstrate college readiness on a placement exam can earn college and high school credits simultaneously by attending classes at their high school. Many of the classes are transferable to public colleges or universities in Texas, and some are accepted by out of state and private colleges.

GHS Offers Dual Credit for the following courses:

- English 4 DC
- U. S History DC
- Government DC
- Economics DC

Dual Credit Eligibility Requirements:

- The student has a current admissions application on file with VC.
- The student has an exceptional admission form with approval from their high school administrator, college designee and parent/guardian.
- The student has taken an approved assessment:
    - TSI (reading, writing, and/or math relevant to the courses being taken) or
    - Exempt scores based on ACT or SAT.
    - For dual credit students who do not have exemption scores in all sections of the SAT and/or ACT, additional assessment will be required.
- Students shall notify the dual credit coordinator if there is a change in their status at the college/university.
- Credit shall not be awarded without the official presentation of the college transcript or grade report to the dual credit coordinator within five school days of the grades being posted.
- Transportation is the responsibility of the parent and student. The district is not liable for injury occurring once the student leaves campus.
- If a student earns a D or below, the student will be dropped from the program and may no longer take dual credit courses.
- There is no guarantee of credits being transferred to other colleges or universities.
- A Dual Credit course may be offered by more than one professor. GHS has no control over which students get placed into which class when this situation occurs.
- Students will follow the College Calendar for the DC courses.
- Students enrolling in DC with Victoria College will need to provide a deposit fee to enroll. This deposit is refundable at the end of the school year if the student completed the course satisfactory.

IMPORTANT INFORMATION FOR SENIORS

COLLEGE ENROLLMENT/FINANCIAL AID/SCHOLARSHIPS

Higher education and technical skills are important for most careers in our highly complex world. Information to aid in planning for post-secondary education, universities, technical schools or military service is available through the GHS College and Career Center. Free information on college preparation for middle and high school students, easy-to-understand descriptions of the different types of student financial aid available, insights to popular careers, plus links to every college website in Texas are available at:
www.CollegeforAllTexans.com. Students and parents may also contact their high school counselor for further information.

Some important information to consider when planning secondary (high school) coursework and post-secondary (college and technical school) entrance is listed below:

1. Students ranked in the top 7%-10% of their graduating class are eligible for automatic admission to most public universities in Texas. Specific requirements are addressed in the next section under Texas Public University automatic admission section.
2. Some colleges and universities in Texas now require students to graduate under the RHSP or FHSP W/ Endorsement as an admission requirement. It is always a good idea to research a desired institution prior to planning secondary coursework.
3. SAT or ACT college entrance examinations are required for admission to four-year colleges and universities. Consult college catalogs and/or websites to determine which test to take and deadlines. Registration forms and prep materials are available on the SAT/ACT websites. It is the student's responsibility to determine testing dates and registration deadlines, register for the test and pay any registration or related fees for the test. High school seniors should take these exam(s) before January if they intend to apply for financial assistance. For information on SAT registration and deadlines, visit the College Board website at www.collegeboard.org. For information on accommodations, visit the College Board website at: www.collegeboard.org/students-with-disabilities.
   For information on ACT registration and deadlines, visit the ACT website at www.act.org.

Students are encouraged to select their college early in their senior year. Once accepted by a college, students are generally notified of summer orientation programs. Students are encouraged to attend these orientations.

Students attending Texas public colleges and universities can use the Apply Texas Application, which is available on-line at www.applytexas.org. Current information on specific college/university entrance applications and entrance requirements should be requested from the college or university. Students who intend to live on campus should obtain an application for housing early in the fall of their senior year.

Free Application for Federal Student Aid (FAFSA)

Students will be asked to fill out the FAFSA (Free Application for Federal Student Aid) during their senior year. This form is available on-line at https:/fafsa.ed.gov. Once the student completes the FAFSA a print out to confirm submission must be provided to the counseling center

Upon applying, the FAFSA must be on file in the financial aid office of the college or university you plan to attend to determine if you are eligible for state, federal or institution financial aid in the form of grants, scholarships and/or loans.

Scholarship information could be found through the GHS College and Career Center. Parents are encouraged to contact their employers regarding scholarships they may offer to children of their employees.

Texas Public University/ College Automatic Admission

Students graduating in the top 10% of our school's graduating class are granted automatic admission into a Texas public four-year university or college for two years following graduation, except for the University of Texas (UT). UT sets the top graduating percentage and it is posted on their website. To qualify for this automatic admission, students must complete one of the following two criteria:

1. Complete one of the following Texas Graduation Plans: RHSP, DAP or FHSP w/ Endorsement.
2. Satisfy the ACT College Readiness Benchmarks* or earn at least a 480 on the Evidence-Based Reading and Writing on the SAT and at least a 530 on the Math SAT.

ACT's College Readiness Benchmarks		
College Course of Course Area	**ACT Score**	**TSI Score**
English Composition	English 18	Writing 363-390 with 4 on essay (or any score with 5+ on essay)
Social Sciences	Reading 22	Reading: 351-390
Algebra	Mathematics 22	Mathematics 350-390
Biology	Science 23	

Comparing Advanced Placement and Dual Credit

Knowing the differences between Advanced Placement and Dual Credit courses will assist you in planning for both high school and college courses.

AP vs DC		
	Advanced Placement (AP)	**Dual Credit**
Description	The AP Program allows students to take college-level courses and exams, and to earn college credit or placement while still in high school.	Dual Credit allows high school students to earn both high school and college credit by completing courses at their high school and/or college campus.
Credit	Students seeking credit through their AP Exam scores should note that individual colleges and universities, not the College Board, the AP Program or the high school, grant course credit and placement.	Credit is awarded when the student passes the course. Students must pass a DC course with a C or higher to remain in the dual credit program.
Teachers/Instructors	Taught by specially trained high school teachers.	Taught by college instructors and/or high school teachers who serve as adjunct professors.
College/University Acceptance	Accepted throughout the nation. See individual college/university for policy concerning score requirement.	Accepted at public colleges and universities in Texas. Check with individual college for your intended major's academic requirements.
Location	AP courses are taught on the high school campus.	Dual Credit courses can be taught on the high school or college campus.
Eligibility	Open to any student who meets the AP criteria in the course catalog.	Must be currently attending high school and classified as a Sophomore, Junior, or Senior. • Must have a college placement score on the SAT, ACT, or TSI scores • Parent/guardian and counselor approval.
Cost	Students are responsible to pay a NO SHOW fee if they miss the testing date.	Students will need to provide a refundable (depending on grades) deposit for the course. GHS covers tuition and book cost.
Textbooks	Provided by the school.	Provided by the school.
Impact on High School GPA	AP courses are weighted in GHS GPA	DC courses are weighted in GHS GPA

COURSE DESCRIPTIONS

ENGLISH LANGUAGE ARTS

English I (1011)
Grade: 9 **Credits: 1** **GPA Scale: 4.0**
Prerequisites: *None*
English I is a study of composition, literature and grammar. Students will complete essays as they analyze and respond to the literature studied. Students will complete independent reading of classical and multicultural works to strengthen their comprehension. Grammar, writing mechanics, and research techniques will be addressed through direct instruction.

English I Honors (1113)
Grade: 9 **Credits: 1** **GPA Scale: 5.0**
Prerequisites: *Meets or masters 8th grade ELA STAAR Test.*
English I Honors focuses on the same basic components as English I, but at a more rigorous pace. In addition to this, students will be required to complete a summer reading.

English II (1021)
Grade: 10 **Credits: 1** **GPA Scale: 4.0**
Prerequisites: *English I*
English II involves an intensive study of multi-paragraph papers in descriptive, narrative, classificatory, and evaluative modes; traditional and integrated grammar, vocabulary, mechanics; oral communication skills; introduction to research skills; and literature.

English II Honors (1123)
Grade: 10 **Credits: 1** **GPA Scale: 5.0**
Prerequisites: *English I and meets or masters English I STAAR EOC Test.*
English II Honors focuses on the same basic components as English II, but at a more rigorous pace. In addition to this, students will be required to complete a summer reading.

English III (1031)
Grade: 11 **Credits: 1** **GPA Scale: 4.0**
Prerequisites: *English II*
English III includes an intensive unit covering the modes and purposes of writing, the development of the multi--paragraph paper, the building of vocabulary skills, literary analysis, and an emphasis on grammar and usage skills. Emphasis is also placed on the process of writing the research paper. The literature study surveys major authors and periods in American literature.

English III Honors (1133)
Grade: 11 **Credits: 1** **GPA Scale: 5.0**
Prerequisites: *English II and meets or masters English II STAAR EOC Test.*
English III Honors focuses on the same basic components as English III, but at a more rigorous pace. In addition to this, students will be required to complete a summer reading.

English IV (1041)
Grade: 12 **Credits: 1** **GPA Scale: 4.0**
Prerequisites: *English III*
English IV focuses on the development of analytical and synthesizing skills through emphasis on student-generated learning. The curriculum reviews the development of the English language, and surveys British Literature from the Anglo-Saxon Era to modernism. The student reviews and refines language, grammar, and research skills within the context of writing in various modes for diverse purposes. Opportunities are offered for improving speaking skills. This course provides the student with the necessary skills for success in college literature and composition courses.

English IV Dual Credit (1243)
Grade: 12 Credits: 1 GPA Scale: 6.0
***Prerequisite**: English III and student must pass the reading and writing portion of the TSI placement test.*
*****This dual credit class is offered through Victoria College. You must meet their qualifications to participate. English 1301 is offered in the Fall semester and 1302 is offered in the Spring semester. To receive high school credit for each course, the student must make a 70. The student must pay a deposit fee to enroll. The deposit is refundable after the student successfully completes the course. For more information, go to the dual credit section of this packet.**

MATHEMATICS

Algebra I (2011)
Grade: 9 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
The focus of Algebra I is to develop a student's ability to work with linear functions and quadratic functions. The student will use these functions to develop relationships among the different types of functions and to understand the attributes of the function. The student will analyze functions graphically, verbally, numerically and symbolically. Included in the Algebra course is a study of the attributes and properties of polynomials, exponents, irrational numbers, inequalities and square roots and their connection to functions. The use of the graphing calculator is a major component in the teaching of this course and will be provided by the school.

Algebra I Honors (2113)
Grade: 9 Credits: 1 GPA Scale: 5.0
Prerequisites: *Meets or masters 8th grade Math STAAR Test.*
The focus of Algebra I Honors is to develop a student's ability to work with linear functions and quadratic functions. The student will use these functions to develop relationships among the different types of functions and to understand the attributes of the function. The student will analyze functions graphically, verbally, numerically and symbolically. Included in the Algebra course is a study of the attributes and properties of polynomials, exponents, irrational numbers, inequalities and square roots and their connection to functions. The use of the graphing calculator is a major component in the teaching of this course and will be provided by the school.

Geometry (2021)
Grades: 9-10 Credits: 1 GPA Scale: 4.0
Prerequisite*: Algebra I*
Geometry is designed to develop an understanding of the basic structure of plane and spatial geometry. Developing the ability to analyze geometric relationships, make and verify conjectures, apply logical reasoning to justify and prove mathematical statements, and to use a variety of representations to describe geometric relationships and solve problems. This course allows students to apply algebraic skills in a logical and concrete manner.

Geometry Honors (2123)
Grades: 9-10 Credits: 1 GPA Scale: 5.0
Prerequisite*: Algebra I and meets or masters Algebra I STAAR EOC Test.*
Geometry Honors is designed to develop an understanding of the basic structure of plane and spatial geometry. Developing the ability to analyze geometric relationships, make and verify conjectures, apply logical reasoning to justify and prove mathematical statements, and to use a variety of representations to describe geometric relationships and solve problems. This course allows students to apply algebraic skills in a logical and concrete manner.

Algebraic Reasoning (2010)
Grades 10-11 Credits 1 GPA Scale: 4.0
Prerequisites*: Algebra I and Geometry*
Students continue with the development of mathematical reasoning related to algebraic understanding and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

Math Models with Applications (2001)
Grades: 10-11 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Algebra I and Geometry. Must take this course before Algebra II or take it concurrently with Algebra II.*
Mathematical Models with Applications uses algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Mathematical models from algebra, geometry, probability and statistics, and technology are used to solve application problems in both mathematical and non-mathematical situations.

Algebra II (2031)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Algebra I and Geometry*
Algebra II is an advanced algebra course. It is designed for students who have mastered the content for Algebra 1. Topics covered include mathematical structure, quadratic functions, quadratic relations, systems of equations, numerical methods and higher degree polynomials, exponential and logarithmic functions, rational algebraic functions, sequences and series, data handling, and analysis. Algebra 2 relates or extends concepts to previously learned material. The use of current technology as problem-solving and discovery tools is integrated throughout the course whenever possible.

Algebra II Honors (2133)
Grades: 10-12 Credits: 1 GPA Scale: 5.0
***Prerequisites**: Algebra I and Geometry and meets or masters Algebra I STAAR EOC Test.*
Algebra II is an advanced algebra course. It is designed for students who have mastered the content for Algebra 1. Topics covered include mathematical structure, quadratic functions, quadratic relations, systems of equations, numerical methods and higher degree polynomials, exponential and logarithmic functions, rational algebraic functions, sequences and series, data handling, and analysis. Algebra 2 relates or extends concepts to previously learned material. The use of current technology as problem-solving and discovery tools is integrated throughout the course whenever possible.

Statistics (2301)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisite**: Algebra II*
This course is designed to introduce the methods used in the field of applied statistics. Emphasis is given to basic concepts and techniques for collecting and analyzing data, drawing conclusions, and making predictions. The major focus of this course is to provide students with experience in using the computer to solve problems which can be set up as mathematical models.

Pre-Calculus (2051)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisite**: Algebra II*
Pre-Calculus is taught from a functional approach integrating the topics of trigonometry, elementary analysis, analytic geometry, and number theory. Topics studied in the course include: operations with functions, composite and inverse functions, graphing functions using symmetry and translation, and using functions to model real-world situations to find maximums or minimums; trigonometric circular functions, their inverses and graphs, trigonometric identity and equations, and solving triangles using the Law of Sines and the Law of Cosines; operations with and graphing of polynomial, rational, exponential, and logarithmic functions, solving equations with these functions, and using them to model real-world problems; properties and systems of real and complex numbers; polar coordinates and graphing polar equations; vectors; conic sections; Binomial Theorem; arithmetic and geometric sequences and series and their application in modeling real-world situations, limits, and proof by mathematical induction. Whenever possible the use of technology is incorporated with traditional problem-solving methods.

Pre-Calculus Honors (2153)
Grades: 11-12 Credits: 1 GPA Scale: 5.0
***Prerequisite**: Algebra II and meets or masters Algebra I STAAR EOC Test.*
Pre-Calculus is taught from a functional approach integrating the topics of trigonometry, elementary analysis, analytic geometry, and number theory. Topics studied in the course include: operations with functions, composite and inverse functions, graphing functions using symmetry and translation, and using functions to model real-world situations to find maximums or minimums; trigonometric circular functions, their inverses and graphs, trigonometric identity and equations, and solving triangles using the Law of Sines and the Law of Cosines; operations with and graphing of polynomial, rational, exponential, and logarithmic functions, solving equations with these functions, and using them to model real-world problems; properties and systems of real and complex numbers; polar coordinates and graphing polar equations; vectors; conic sections; Binomial Theorem; arithmetic and geometric sequences and series and their application in modeling real-world situations, limits, and proof by mathematical induction. Whenever possible the use of technology is incorporated with traditional problem-solving methods.

College Prep Math (2041)
Grades: 12 Credits: 1 GPA Scale: 4.0
Prerequisite*: *Prerequisite: Algebra II Recommended and Committee approved.
This course is intended to prepare students for the study of entry-level college mathematics to enter postsecondary coursework or careers with no additional remediation in mathematics. Topics in the fall include basic algebraic operations, solving linear equations and inequalities, laws of integer exponents, factoring, rational expressions, the Cartesian coordinate system, graphing lines, finding equations of lines and solving linear systems. Spring topics include special products and factoring, rational expressions and equations, rational exponents, radicals, radical equations, quadratic equations, absolute value equations and inequalities, complex numbers; equations of lines, an introduction to the function concept, and graphing.

AP Calculus (2263)
Grades: 12 Credits: 1 GPA Scale: 6.0
***Prerequisite**: Pre-calculus*
Advanced Placement Calculus AB covers the topics of elementary functions, differential and integral calculus. Students evaluate limits, analyze and apply the notions of continuity and differentiability to algebraic and trigonometric functions; use the concept of the derivative and the various formulas associated with it to investigate the properties of functions; use implicit differentiation to solve related rates, problems; construct detailed graphs of functions using differentiation; use basic integration techniques to solve simple differential equations; apply the Fundamental Theorem of Calculus to evaluate definite integrals and solve real world problems; differentiate and interpret logarithmic and exponential functions in addition to inverse trigonometric functions. The course is primarily concerned with an intuitive understanding of the concepts of Calculus with emphasis on methods and applications and meets the requirements for G/T. Whenever possible the use of technology is incorporated with traditional problem-solving methods. After successful completion of the course, the student is required to take the College Board AB Advanced Placement exam.

SCIENCE

Integrated Physics and Chemistry (IPC) (3001)
Grades: 9 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
Integrated Physics and Chemistry is designed to provide a foundation in the physical sciences for those students seeking additional skill development before continuing with more advanced science courses. Although this course is taught in a conceptual manner, mathematical analysis of scientific concepts is also presented. In the chemistry portion of the course, material classification, atomic structure, interpretation of the periodic table, compound structures, chemical reactions, solutions and mixtures are introduced. In the physics portion of the course, topics such as forces, waves, sound, light, heat, and electricity are discussed. Laboratory activities, an integral part of this course, are used not only to reinforce concepts, but also to give students hands-on experience in making inferences and predictions, collecting data and drawing conclusions.

Biology (3001)
Grades: 9-10 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
Biology includes the study of cells, plant and animal processes, genetics and ecology through classroom and laboratory experience. The study develops scientific attitudes, skills in the use of the scientific method and relates the vast store of scientific knowledge to solving problems in today's world.

Biology Honors (3113)
Grades: 9-10 Credits: 1 GPA Scale: 5.0
Prerequisites*: Meets or masters 8th grade Science STAAR Test.*
Biology includes the study of cells, plant and animal processes, genetics and ecology through classroom and laboratory experience. The study develops scientific attitudes, skills in the use of the scientific method and relates the vast store of scientific knowledge to solving problems in today's world.

Chemistry (3021)
Grade: 10-12 Credits: 1 GPA Scale: 4.0
Prerequisites*: Biology*
Chemistry is designed to achieve the following objectives: to become proficient in the use of the scientific method and laboratory equipment, to solve problems using dimensional analysis and the mole concepts, to understand the properties of matter and energy, to use this information quantitatively and qualitatively to predict chemical behavior, and to develop an appreciation for the work of earlier scientists as well as ongoing scientific research. Chemistry is a concept-oriented course. Good mathematics skills are essential to success in this class. Laboratory safety and technique are emphasized throughout the year. Grades are based on tests, lab reports, and daily assignments, with the emphasis placed on tests.

Chemistry Honors (3123)
Grade: 10-12 Credits: 1 GPA Scale: 5.0
Prerequisites*: Biology and meets or masters Biology STAAR EOC Test.*
Chemistry is designed to achieve the following objectives: to become proficient in the use of the scientific method and laboratory equipment, to solve problems using dimensional analysis and the mole concepts, to understand the properties of matter and energy, to use this information quantitatively and qualitatively to predict chemical behavior, and to develop an appreciation for the work of earlier scientists as well as ongoing scientific research. Chemistry is a concept-oriented course. Good mathematics skills are essential to success in this class. Laboratory safety and technique are emphasized throughout the year. Grades are based on tests, lab reports, and daily assignments, with the emphasis placed on tests.

Physics (3031)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Chemistry*
Physics is designed for students interested in science and planning a career in engineering, technical business, science, or mathematics. Topics covered in the course include kinematics, dynamics, heat, light, sound, and electricity. Class work includes demonstrations, lectures, class discussions, and problem-solving activities. Laboratory activities help to extend the understanding of basic physical concepts.

Physics Honors (3133)
Grades: 10-12 Credits: 1 GPA Scale: 5.0
***Prerequisites**: Chemistry and meets or masters Biology STAAR EOC Test.*
Physics is designed for students interested in science and planning a career in engineering, technical business, science, or mathematics. Topics covered in the course include kinematics, dynamics, heat, light, sound, and electricity. Class work includes demonstrations, lectures, class discussions, and problem-solving activities. Laboratory activities help to extend the understanding of basic physical concepts.

AP Biology (3223)
Grades: 11-12 Credits: 1 GPA Scale: 6.0
***Prerequisites**: Physics and meets or masters Biology STAAR EOC Test.*
AP Biology course work is evaluated and approved by the College Board. A college level laboratory notebook will be used. This course is equivalent to college-level general biology for science majors and is designed to prepare the student to take the College Board Advanced Placement examination. Three general areas (molecules and cells, genetics and evolution, and organisms and populations) are studied. Laboratory work is an integral part of the course. The aim of the course is to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically and effectively with the rapidly changing science of biology. Students are required to take the Advanced Placement Exam.

AP Chemistry (3213)
Grades: 11-12 Credits: 1 GPA Scale: 6.0
***Prerequisites**: Physics and meets or masters Biology STAAR EOC Test.*
AP Chemistry offers students advanced study in the concepts of chemistry. Laboratory techniques are developed to further the student's ability to pursue a career in an engineering or chemical-related field. Advanced laboratory investigations of atomic theory, properties of matter, chemical reactions, kinetics, and equilibrium are presented. Students are required to take the Advanced Placement Exam.

Aquatic Science (3421)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Physics*
Students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and field work in this course may emphasize freshwater or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete this course will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills.

Astronomy (3531)
Grade: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Physics*
Students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, and reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete

this course will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills.

Anatomy & Physiology (3651)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Physics*
Anatomy and Physiology of Human Systems is designed to give students a thorough knowledge of both the structures and functions of the human body. The course is divided into five principal areas of concentration: organization, support and movement, control systems, maintenance, and continuity. The first area covers organization of the body from the molecular level to organ systems. The second area is a study of the skeletal and muscular systems. Included in control systems is a study of the nervous system and the endocrine system. The maintenance area focuses on the roles of the cardiovascular, respiratory, digestive, and excretory systems. In each of the areas, both homeostasis and pathology are considered. Laboratory work is an integral part of the course.

Forensic Science (3761)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Physics*
In this course students are introduced to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students learn terminology and procedures related to criminal investigation, crime scene processing, crime laboratory, and courtroom presentation using evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, projectiles or weapons utilizing appropriate scientific analysis and procedures. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Adv. Animal Science (5205)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Physics*
Develop and investigate the scientific and technological dimensions of scientific animal agriculture, genetics and reproduction, anatomy and physiology of various livestock species, nutritional requirements, and disease and parasites of livestock. This class is recommended for those students with an interest in Veterinary Science. This class will have 40% of class time instruction to conduct field experiments and laboratory investigations.

Adv. Plant/Soil Science (5274)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Physics*
Students will investigate the importance of plant and soil science and its relationship affecting the production of food and fiber industry. Students will assess the plant ecosystem, erosion processes, petroleum energy, crop production, and genetically engineered plants and their importance to solving world hunger. This class will have 40% of class time instruction to conduct field experiments and laboratory investigations.

SOCIAL STUDIES

World Geography (4011)
Grade: 9 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
The student will be introduced to the nature of geography. Analysis of physical characteristics and natural resources of various regions of the earth will be made with respect to the economic, social and cultural impact on the environment and resources. The student will acquire and refine map skills. They will also examine the uses, abuses and preservation of natural resources and physical environment with special attention to urban growth. World Geography

World Geography Honors (4113)
Grade: 9 Credits: 1 GPA Scale: 5.0
Prerequisites: *Meets or masters 8th grade Social Studies STAAR Test.*
The student will be introduced to the nature of geography. Analysis of physical characteristics and natural resources of various regions of the earth will be made with respect to the economic, social and cultural impact on the environment and resources. The student will acquire and refine map skills. They will also examine the uses, abuses and preservation of natural resources and physical environment with special attention to urban growth. World Geography

World History (4021)
Grade: 10 Credits: 1 GPA Scale: 4.0
Prerequisites: *World Geography*
World History provides an overview of the development of civilization in all parts of the globe from prehistoric times to the present. Students explore the foundations of civilization, the classical world, development of nations in the Far East and Middle East, the Middle Ages, and Renaissance and Reformation. They also investigate the growth of the nation-state, revolutions, nationalism, imperialism, and democracy, and culminate with a study of the twentieth century.

World History Honors (4123)
Grade: 10 Credits: 1 GPA Scale: 5.0
Prerequisites: *World Geography and meets or masters 8th grade STAAR Test.*
World History provides an overview of the development of civilization in all parts of the globe from prehistoric times to the present. Students explore the foundations of civilization, the classical world, development of nations in the Far East and Middle East, the Middle Ages, and Renaissance and Reformation. They also investigate the growth of the nation-state, revolutions, nationalism, imperialism, and democracy, and culminate with a study of the twentieth century.

US History (4031)
Grade: 11 Credits: 1 GPA Scale: 4.0
Prerequisites: *World History*
U.S. History since Reconstruction surveys the significant events, issues, and problems in United States History since Reconstruction, considering the causes and results, and attempting to show the students how they may be affected by similar situations. After reviewing early United States history (1607-1865), students will investigate reconstruction, Westward Expansion, industrialization and its effects on the United States, overseas expansion and the building of an empire, the Progressive Era, World War I and the League of Nations, the Roaring 20s and the Great Depression, the New Deal and its successes and challenges, World War II, and foreign and domestic affairs from 1945 to the present.
US History Dual Credit (4233)
Grade: 11 Credits: 1 GPA Scale: 6.0
Prerequisites: *World History and students must pass the reading and writing portion of the TSI placement test.*

*****This dual credit class is offered by Victoria College. You must meet their qualifications to participate. US History 1301 is offered in the fall semester and US History 1302 is offered in the spring semester. Students must make a 70 to earn high school credit. The student must pay a deposit fee to enroll. The deposit is refundable after the student successfully completes the course. For more information, go to the dual credit section of this packet.**

Government (4041)
Grade: 12 Credits: .5 GPA Scale: 4.0
Prerequisites: *US History*
The United States Government includes a study of the political heritage of the United States and Texas, the national and state constitutions, and political participation. Topics examined include political parties and ideologies; voting and elections; interest groups and lobbying; civil rights; and the functions and responsibilities of the legislative, executive, and judicial branches.

Government Dual Credit (4243)
Grade: 12 Credits: .5 GPA Scale: 6.0
Prerequisites: *US History and students must pass the reading and writing portion of the TSI placement test.*
*****This dual credit class is offered by Victoria College. You must meet their qualifications to participate. Government 2305 is offered in the fall semester. Students must make a 70 to earn high school credit. The student must pay a deposit fee to enroll. The deposit is refundable after the student successfully completes the course. For more information, go to the dual credit section of this packet.**

Economics (4051)
Grade: 12 Credits: .5 GPA Scale: 4.0
Prerequisites:
Economics concentrates on the economic concepts, laws, and principles as they apply to comparative economic systems, with emphasis on the free enterprise system of the United States. Students examine the monetary and fiscal policies of the United States, apply economic knowledge to practical economic functions including the Federal Income Tax, review current events, and examine trends in the United States and global economics.

Economics Dual Credit (4253)
Grade: 12 Credits: .5 GPA Scale: 6.0
Prerequisites: *US History and students must pass the reading, writing and* ***math*** *portion of the TSI placement test.*
*****This dual credit class is offered by Victoria College. Students must meet their qualifications to participate. Economics 2301 is offered in the spring semester. Students must make a 70 to earn high school credit. The student must pay a deposit fee to enroll. The deposit is refundable after the student successfully completes the course. For more information, go to the dual credit section of this packet.**

LANGUAGE OTHER THAN ENGLISH (LOTE)

Spanish I (6101)
Grades: 9-11 Credits: 1 GPA Scale: 4.0
Prerequisite: *None*
Spanish l emphasizes development of the four basic language skills: listening, speaking, reading and writing. The class also stresses cultural awareness and appreciation of the Spanish-speaking world as well as an awareness of the Spanish influence on the language and customs of North America. Class work includes oral drills, dictation, vocabulary, composition and simple reading assignments, as well as dialogue, creative writing and multimedia presentations.

Spanish II (6102)
Grades: 9-12 Credits: 1 GPA Scale: 4.0
Prerequisite: *Spanish I*
Spanish II is a continuation of Spanish 1, emphasizing mastery of basic language patterns, using correct pronunciation and intonation. The class will read simple selections for comprehension and write short compositions. Students will complete projects to strengthen their language skills. Students will continue to- study Hispanic culture.

Spanish III Honors (4613)
Grades: 10-12 Credits: 1 GPA Scale: 5.0
Prerequisite: *Spanish II*
The student will have a variety of listening experiences, be able to discuss subjects of everyday interest, and have a broadened knowledge of grammar. By studying selections of increasing literary value, students will advance their reading skills and cultural understanding. Students will write original and guided compositions. Special assignments may include writing a paper, presenting poetry and skits, and writing letters.

Spanish IV AP (4614)
Grades: 11-12 Credits: 1 GPA Scale: 6.0
Prerequisite: *Spanish III*
The AP Spanish IV curriculum is designed to perfect the student's proficiency in all aspects of language communication in preparation for the AP Spanish Language Examination. Class is conducted entirely in Spanish. Grammar will be thoroughly reviewed, new vocabulary and idiomatic expressions will be learned, and students will read and analyze selections from literature and other authentic written texts, including newspaper and magazine articles. Students will make frequent oral presentations, both spontaneous and prepared, in order to practice their speaking and listening skills. They will prepare frequent compositions and increase their listening comprehension through authentic audio and video recordings. Students will further their ability to integrate their language skills through formal writing that requires them to synthesize written and aural materials. Students are required to take the Advanced Placement Exam.

FINE ARTS

Art I (6111), Art II (6112), Art III (6113), Art IV (6114)
Note: These classes must be taken in sequential order.
Grades: 9-12 Credits: 1 GPA Scale: 4.0
Art I is the foundation course for all other Art Classes. This entry-level art course allows students to explore the art elements for line, shape, value, texture, color, form and space while applying the principles of art to develop and create original artworks using a variety of art media. Students will analyze, interpret, and evaluate their own artwork as well as those of well-known artists comparing the different styles and techniques used throughout the various periods of art history. This introductory art course is designed for students to experiment with a wide variety of media and skills while providing an overview of the conceptual relationship of art to other subject areas. All Art students are required to purchase a sketchbook. Art II-IV is a continuation of Art I.

Theatre Arts I (6131), Theatre Arts II (6132), Theatre Arts III (6133), Theatre Arts IV (6134)
Note: These classes must be taken in sequential order.
Grades: 9-12 Credits: 1 GPA Scale: 4.0
These courses must be taken in sequential order.
Theater Arts I is a survey course that establishes the base for all subsequent theatre courses and serves as a general introduction to all of the fundamental aspects of the theatre that range from creative use of technical and production skills to the exploration of acting techniques. This course will focus on both the acting and technical aspects involved in the total theatre experience. The technical opportunities afforded students include: sound, sets, lights, costumes, props, and makeup. Basic craftsmanship skills will be taught with students mastering the use of various stage equipment and electrical tools utilizing in-model and full-size building and design. The acting/performance opportunities afforded students will include: acting, directing, analysis and interpretation of scripts, script reading, interdependence of all theatrical elements, appreciation of theatre, theatre etiquette, evaluation of theatrical experiences, and theatre history. Theatre Arts II-IV is a continuation of Theatre Arts I. **All these classes require attendance of a live theatrical production outside of class each semester.**

Band I (6121), Band II (6122), Band III (6123), Band IV (6124)
Note: These classes must be taken in sequential order.
Grades: 9-12 Credits: 1 GPA Scale: 4.0
Prerequisite: Instructor Approval
The high school Band program provides four levels of Band classes during the school day. The instructional priorities include instructional technique, musicianship, critical listening, cultural growth, basic music theory, creative self-expression, rehearsal and concert etiquette, self-discipline, responsible citizenship, effective communication, problem solving, and production of quality products. Band students receive instruction on both marching band concert fundamentals. During marching band instruction, students learn marching fundamentals, spatial awareness, kinesthetic awareness and basic dance fundamentals. A variety of musical styles are performed. Importance is placed on physical conditioning, so students should be in good physical condition in order to participate. This includes summer preparation in band camp during the months of July and August. Concert season is ongoing and provides students an opportunity to continue musical growth and experience music literature. Individual musicianship as well as small and large ensemble concepts and skills are emphasized. Performances during the concert season include numerous concerts, festivals, and community events. Students may also participate in a series of auditions related to the all-state process as well as solo and ensemble competitions. Students enrolled in the band class must attend after school rehearsals and performances. Students must complete one credit in Physical Education or an equivalent in order to receive a high school diploma. Marching Band substitutes for P.E. during the season it is offered with the remaining semesters of Band contributing toward the Fine Arts graduation requirement. Students may receive State elective credits for all semesters of Band that are not counted toward Physical Education or Fine Arts credits.

Choir I (6126)
Note: (Choir II will be added next year, and the following levels in subsequent years.)
Grades: 9-12 Credits: 1 GPA Scale: 4.0
Students will learn and develop fundamental music skills such as sight-singing, music notation, aural (listening) skills, healthy vocal technique, and concert and rehearsal etiquette. All of these skills will prepare the young musician to have successful musical experiences. The ultimate goal of the choral program is to nurture a love of music as it produces musically literate students. Over the course of the school year, students will perform music representing many cultures and genres, such as classical, jazz, world music, and pop.

ATHLETICS PROGRAM

Athletics
Grades: 9-12 **Credits: 1** **GPA Scale: 4.0**
***Prerequisite*:** Instructor Approval
The GHS Athletic program offers baseball, basketball, cross country, football, golf, soccer, softball, tennis, track, and volleyball. These programs are competitive sports regulated by the University Interscholastic League. Team selection may be based on team tryouts and coaching staff approval. Academic record and demeanor will be considered. Participants MUST commit to playing two (2) sports. The class meeting consists of conditioning activities and skill development. In addition, participation in after-school practices and games are required. These programs may substitute for the 1.0 state credit required for physical education. A maximum of four (4) P.E. credits may be counted toward state graduation requirements. (Each semester of successful participation counts as .5 credit.)
Students planning to pursue athletics and/or athletic scholarships at the college level must be aware of core curriculum requirements. These students need to contact their coach for printed information regarding the core curriculum as defined by the National Collegiate Athletic Association (NCAA).

Girls Athletics

9th Grade	10th Grade	11th Grade	12 Grade
Sem. 1 (7051)	Sem. 1 (7053)	Sem. 1 (7055)	Sem. 1 (7057)
Sem. 2 (7052)	Sem. 2 (7054)	Sem. 2 (7056)	Sem. 2 (7058)

Boys Athletics

9th Grade	10th Grade	11th Grade	12 Grade
Sem. 1 (7061)	Sem. 1 (7063)	Sem. 1 (7065)	Sem. 1 (7067)
Sem. 2 (7062)	Sem. 2 (7064)	Sem. 2 (7066)	Sem. 2 (7068)

PHYSICAL EDUCATION

In addition to the courses listed in this section, Marching Band, Dance Team and JROTC I may substitute for state PE credits. Such substitutions shall be based upon the physical activity involved in marching band during the fall semester, athletics, dance team, and JROTC.
PE Classes: In Physical Education, students acquire the knowledge and skills for movement that prove the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle.
Note: Each course may only be taken once for credit.

Foundations of Personal Fitness (8011)
Grade: 9 **Credit**: 1 **GPA Scale**: 4.0
Aerobic Activities (8021)
Grade: 10 **Credit**: 1 **GPA Scale**: 4.0
Individual Sports (8031)
Grade: 11 **Credit**: 1 **GPA Scale**: 4.0
Team Sports (8041)
Grade: 12 **Credit**: 1 **GPA Scale**: 4.0

CAREER AND TECHNOLOGY EDUCATION (CTE)
Course Descriptions

Agriculture, Food and Natural Resources

Principles of Agriculture, Food & Natural Resources (5200)
Grades: 9 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
Enhances the agricultural comprehension of young adults. Includes agricultural career development, leadership, communications and personal finances. This course also includes the overview of soil and plants, animals, and agricultural construction.

Wildlife, Fisheries and Ecology Management (5201)
Grades: 9-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
Examines the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Students will also examine the management of game and nongame wildlife species, fish, and aqua crops and their ecological needs. Students are able to obtain their Hunter Safety Certification during this course if they pass their exam.

Livestock Production (5204)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *Principles of Agriculture, Food & Natural Resources*
Introduces the common veterinary skills and procedures used on livestock, anatomy of livestock, genetics and reproduction, and diseases that can affect all livestock animals. This course is recommended for those that have an interest in the Veterinary Science field

Small Animal Management (Sem 1) (5214)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
Prerequisites*: Principles of Agriculture, Food & Natural Resources*
Students will develop knowledge and skills pertaining to small animals and the small animal management industry. This course may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds.

Equine Science (Sem 2) (5203)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
Prerequisites*: Principles of Agriculture, Food & Natural Resources*
Develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses. This course is recommended for those that have an interest in the Veterinary Science field.

Veterinary Medical Apps. (5215)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
Prerequisites*: Principles of Agriculture Food & Natural Resources AND Livestock Production OR Small Animal Management/Equine Science*
This course is designed to prepare students for careers in the field of animal science. This course introduces the knowledge and skills related to animal systems, workplace industry expectations, career opportunities, and veterinary practices for both large and small animal species. This class will introduce students to basic medical terminology, exam procedures, safety protocols, customer relations and more. This will not be a class for the faint-hearted. Students taking this course should be considering a career as a veterinarian, a registered vet technician, a research scientist, or other animal health careers such as kennel owner or groomer. Course Fees are for the mandatory FFA membership and other course materials and supplies.

Adv. Animal Science (5205)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Veterinary Medical Applications (if for endorsement) AND Physics*
Develop and investigate the scientific and technological dimensions of scientific animal agriculture, genetics and reproduction, anatomy and physiology of various livestock species, nutritional requirements, and disease and parasites of livestock. This class is recommended for those students with an interest in Veterinary Science. This class will have 40% of class time instruction to conduct field experiments and laboratory investigations.

Floral Design (5221)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: None*
Exposes students to the basic techniques of floral design. This class is project-based with many large and small projects used to evaluate the progress of the student. There are lots of hands on activities to involve the students in techniques required in the floral industry. *Course may meet Fine Art credit requirements.*

Advanced Floral Design (5222)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Floral Designs*
This course is a continuation of Floral Design. There is a per semester cost for supplies in this course. Offers opportunity for Floral Certification.

Adv. Plant/Soil Science (5274)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Advanced Floral Design (if for endorsement) AND Physics*
Students will investigate the importance of plant and soil science and its relationship affecting the production of food and fiber industry. Students will assess the plant ecosystem, erosion processes, petroleum energy, crop production, and genetically engineered plants and their importance to solving world hunger. This class will have 40% of class time instruction to conduct field experiments and laboratory investigations.

Manufacturing

Agricultural Mechanics & Metal Technologies (5280)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Principles of Agriculture Food & Natural Resources OR Wildlife, Fisheries, and Ecology Management*
Develops proficiency in many welding skills. Students will be expected to use the cutting torch and MIG Welders. Welding in several positions, which include flat, horizontal, and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry, and metal-working techniques. Offers opportunity to earn NCCER Core Certification.

Agricultural Equipment Design & Fabrication (Metal) (5211)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Agricultural Mechanics & Metal Technologies*
Students will develop plans for and use welding and hand tools to construct and maintain fences, corrals, and other agricultural enclosures.

Agricultural Structures Design & Fabrication (Woodshop) (5212)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Agricultural Mechanics & Metal Technologies*
Introduce and develop principles of electricity, Geographic Information Systems (GIS), working with concrete, water management systems, masonry, drywall, and roofing materials.

Welding 1 (5282)
Grades: 11-12 Credits: 2 GPA Scale: 4.0
***Prerequisites**: Agricultural Mechanics & Metal Technologies*
Welding I provide the knowledge, skills, and technologies required for employment in metal technology systems. Students will develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Welding 2 (5283)
Grades: 12 Credits: 2 GPA Scale: 4.0
***Prerequisites**: Welding I*
Welding II builds on the knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as related to personal and career development. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings.

Arts, A/V Technology & Communications

Graphic Design and Illustration 1 (5241)
Grades: 9-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: None*
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.

Graphic Design and Illustration 2 (5242)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Graphic Design and Illustration 1*
Advanced Graphic Design and Illustration provides students an opportunity to expand upon the knowledge and skills mastered in Graphic Design and Illustration. Students will create a variety of advanced pictorial renderings and will be given the opportunity to complete Adobe certifications.

AV Production 1 (5244)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: Graphic Design and Illustration 1*
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. Student will be responsible for costs of additional supplies

AV Production 2 (5245)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
***Prerequisites**: AV Production 1*
Students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production audio and video activities. This course will be implemented in an advanced audio and video format, including both audio and video. Students are responsible for the cost of additional supplies.

Practicum of AV Production 1 (5237)
Grade: 12 Credits: 2 GPA Scale: 4.0
***Prerequisites*:** *AV Production 1 & 2 and Committee Approval*
Students in this class will develop advanced knowledge and skills in the field of audio and video production. Students will develop their portfolio of work that will assist them in gaining entry level employment, earning admittance into college film/video, television/radio broadcasting, and audio production programs, as well as securing post-secondary scholarships. Additional time beyond regular school hours is required.

Practicum of AV Production 2 (5238)
Grade: 12 Credits: 2 GPA Scale: 4.0
***Prerequisites*:** *AV Production 1 & 2, Practicum of AV Production 1, and Committee Approval*
This class is a continuum of Practicum of AV Production 1. See description of Practicum of AV Production 1. Additional time beyond regular school hours is required.

Printing and Imaging Technology 1 (5246)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
Prerequisites*: Graphic Design and Illustration 2*
Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. 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 printing industry with a focus on digital prepress and digital publishing.

Printing and Imaging Technology 2 (5247)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
Prerequisites*: Printing and Imaging Technology 1*
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 printing industry with a focus on digital prepress and desktop digital publishing.

Practicum in Graphic Design and Illustration (5239)
Grades: 11-12 Credits: 2 GPA Scale: 4.0
Prerequisites*: Printing and Imaging Technology 2*
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. Instructions may be delivered through lab-based classroom experiences or career preparation opportunities. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leaders

Hospitality and Tourism

Principles of Hospitality (5270)
Grades: 9-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
This course provides an introduction to the hospitality and tourism industry. Topics include lodging, travel and tourism, recreation, amusements, attractions, resorts, and restaurants and food beverage service.

Introduction to Culinary Arts (5271)
Grades: 9-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *Principles of Hospitality*
This course is for students interested in pursuing a career in the food service industry. This classroom and laboratory based course will provide insight into health and safety, nutrition and wellness, industry management, and food production skills. This course emphasizes professional standards and employability skills.

Culinary Arts (5272)
Grades: 11-12 Credits: 2 GPA Scale: 4.0
Prerequisites: *Introduction to Culinary Arts*
This laboratory-based course begins with the fundamentals and principles of the art of food preparation and includes management and production skills and techniques. Students can pursue a national sanitation certification and other appropriate industry certifications. The knowledge and skills required for careers in the restaurant, food, and beverage industry are practiced as food is prepared.

Advanced Culinary Arts (5273)
Grades: 11-12 Credits: 2 GPA Scale: 4.0
Prerequisites: *Culinary Arts*
This laboratory-based course is designed to be a continuation of the Culinary Arts program. Students continue to refine their knowledge and skills required for careers in the restaurant, food, and beverage industry. Students can pursue a national sanitation certification and other appropriate industry certifications. Laboratory activities involve food production in a professional setting.

Transportation, Distribution, & Logistics

Principles of Transportation Systems (5290)
Grades: 9-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation 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.

Small Engine Tech 1 (5294)
Grades: 9-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
Small Engine Technology I includes knowledge of the function and maintenance of the systems and components of all types of small engines such as outdoor power equipment, motorcycles, generators, and irrigation engines. This course is designed to provide training for employment in the small engine technology industry. Instruction includes the repair and service of cooling, air, fuel, lubricating, electrical, ignition, and mechanical systems. In addition, the student will receive instruction in safety, academic, and leadership skills as well as career opportunities.

Automotive Basics (5291)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *Principles of Transportation or Small Engine Tech 1*
Automotive Basics includes the knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows

students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Automotive Technology 1 (5292)
Grades: 11-12 Credits: 2 GPA Scale: 4.0
Prerequisites: *Automotive Basics*
This course includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This student allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Automotive Technology 2/Lab (5293)
Grades: 12 Credits: 2 GPA Scale: 4.0
Prerequisites: *Automotive Technology 1*
This course includes knowledge of the major automotive systems and principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Finance and Business Management & Administration

Principles of Business, Marketing Management and Finance (5100)
Grades: 9-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
Students are introduced to knowledge and skills of economics and private enterprise systems, impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles.

Money Matters (5260)
Grades: 9- 12 Credits: 1 GPA Scale: 4.0
***Prerequisite*:** *None*
Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and business. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long-term financial goals based on those options. Students will determine methods of achieving long-term financial goals through investments, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Business Information Management 1 (5261)
Grades: 9-11 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
Students will create word-processing documents, spreadsheets, graphs, charts, databases and presentations using appropriate software. Students prepare for the business world and postsecondary education by strengthening computer, communications, analytical, and technical skills. Students leave this class with the computer skills needed to compete in a technology driven environment as well as a working knowledge about information and business management. Offers opportunity to earn Microsoft Office Systems Certification by exam. This course is a part of the CTE pathways.

Financial Analysis (5263)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *Business Information Management 1 and Money Matters*
Financial Analysis focuses on key indicators in a business that will drive its future performance and describes how to extract meaningful information from financial statements. It delves into a number of analyses linked to specific business decisions, such as price optimization, constraint management, and credit granting. Another area addressed is financing, where the course covers financial leverage, capital structure, and foreign exchange risk. Other topics include financial forecasting, discounted cash flow analysis, and the valuation of acquisitions.

Human Services and Education & Training

Principles of Human Services (5330)
Grades: 9 -12 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
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. Areas of study include establishing measurable goals, leadership skills, job interviewing, grooming and appearance in a professional setting, clothing selection, maintenance and construction, nutrition, wellness, and the preparation of nutritious meals. Students will be responsible for the cost of additional supplies.

Child Development (5330)
Grades: 9 -12 Credits: 1 GPA Scale: 4.0 Semester 2 only
Prerequisites: *Principles of Human Services*
This course addresses knowledge and skills related to child growth and development from prenatal through school-age children. Students will become equipped with child development knowledge that can be used to promote the well-being and healthy development of children and to investigate careers related to the care and education of children.

Human Growth and Development (5334)
Grades: 10 -12 Credits: 1 GPA Scale: 4.0 Semester 1 only
Prerequisites: *Child Development*
Students will examine human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development. Students will be responsible for the cost of additional supplies.

Instructional Practices in Educational Training (5335)
Grades: 11-12 Credits: 2 GPA Scale: 4.0
Prerequisites: Princ. of Human Services, Child Development, Human Growth & Development
A field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching practices. Students will work under the joint direction and supervision of a teacher who has expertise in the areas of child development and educational methodology. Students will learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers.

Practicum in Education and Training (5338)
Grades: 12 Credits: 3.0 GPA Scale: 4.0

Prerequisites: Instructional Practices in Education Training (5335) Extended Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Education and Training Career Cluster. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. This course must be taken concurrently with Practicum in Education and Training and may not be taken as a stand-alone course. Students shall be awarded one credit for successful completion of this course. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills.

Intro to Cosmetology (5341)
Grade: 10 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements.

Cosmetology 1 (5342)
Grade: 11-12 Credits: 3 GPA Scale: 4.0
Prerequisites: *Introduction to Cosmetology*
Provides students with the basic specific classroom training needed to achieve their Texas Cosmetology License. Students will also be able to work on outside clientele for hands-on training. Upon completion of their senior year and the required 1500 hours total, students will have received classroom training needed to prepare them for their Cosmetologist Exam from the Texas Department of Licensing and Regulations.

Cosmetology 2 (5343)
Grade: 12 Credits: 3 GPA Scale: 4.0
Prerequisite: *Cosmetology 1*
See course description for Cosmetology I

Health Science

Principles of Health Sciences (5321)
Grade: 9 Credit 1 GPA Scale 4.0
Prerequisite: *None*
The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services and biotechnology research and development systems of the healthcare industry. Lessons in the course include Disease Prevention, Human Development, and much more.

Medical Terminology (5322)
Grades: 10 -11 Credits: 1 GPA Scale: 4.0
Prerequisites: *Principles of Human Services*
This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, root words, singular and plural forms, and medical abbreviations. Students will study the systems of the body learning medical terminology related to each system. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Anatomy & Physiology (3651)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
Prerequisites*: Medical Terminology and Physics (recommended)*
Anatomy and Physiology of Human Systems is designed to give students a thorough knowledge of both the structures and functions of the human body. The course is divided into five principal areas of concentration: organization, support and movement, control systems, maintenance, and continuity. The first area covers organization of the body from the molecular level to organ systems. The second area is a study of the skeletal and muscular systems. Included in control systems is a study of the nervous system and the endocrine system. The maintenance area focuses on the roles of the cardiovascular, respiratory, digestive, and excretory systems. In each of the areas, both homeostasis and pathology are considered. Laboratory work is an integral part of the course.

Practicum in Nursing (5325)
Grades: 11-12 Credits: 2 GPA Scale: 4.0
Prerequisites: *Anatomy & Physiology and Medical Terminology*
This practicum course will build on the concepts and knowledge gained from previous nursing courses allowing for the application of theories and concepts associated with nursing leadership, nursing research, and management of care. A clinical practicum will enhance these skills.

Law, Public Safety, Corrections & Security

Disaster Response (5701)
Grade: 9 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*

Firefighter 1 (5702)
Grade: 10 Credits: 2 GPA Scale: 4.0
Prerequisites: *Disaster Response*
Firefighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety.
Note: (Firefighter 2 will be added next year, and the following levels in subsequent years.)

Naval National Defense Cadet Corps

NNDCC I (7441)
Grade: 9 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
This course introduces students to the responsibilities of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. The course is designed to develop an appreciation for American heritage and traditions, with recognition of the historically significant role that sea power plays in determining America's future. Topics are presented at a fundamental level. Fall Semester can be used as PE credit. Spring semester can be used and Art credit.

NNDCC II (7442)
Grade: 10 Credits: 1 GPA Scale: 4.0
Prerequisites: *One-year in JROTC*
This course addresses the same topics that were introduced in JROTC I, with greater emphasis on practical application of leadership and management theory. Technical subjects are covered in greater detail and working models of concepts introduced in NSI are applied to practical situations. This course also addresses the Navy's role in American History and the effect it had around the world. Fall Semester can be used as PE credit. Spring semester can be used and Art credit.

NNDCC III (7443)
Grade: 11 Credits: 1 GPA Scale: 4.0
Prerequisites: *Two-years in JROTC*
This course is a continuation of applied leadership concepts and more in-depth investigation of technical subjects. Leadership skills will be exercised on a daily basis. Cadets will begin to assume responsibility for the organization and operations of the Corps of Cadets.

NNDCC IV (7444)
Grade: 12 Credits: 1 GPA Scale: 4.0
Prerequisites: *Three-years in JROTC*
This course provides practical experience in planning, organizing, and executing theories of group dynamics as leaders of the GHS Corps of Cadets. Classroom training and research projects are designed to complement and reinforce the application of leadership theories and techniques learned in previous JROTC courses.

Science, Technology, Engineering & Mathematics

Engineering Design and Presentation 1 (5400)
Grades: 10-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *Principles of Applied Engineering*
Students enrolled in this course will demonstrate knowledge and skill of the process of design as it applies to engineering fields using software applications and tools necessary to produce and present working drawings and prototypes. Students will use computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

Engineering Design and Presentation 2 (5401)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *Engineering Design and Presentation 1*
This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering thought and application of the design process. Students apply concepts of engineering and use a variety of technologies to develop prototypes to solve specific problems.

Computer Science

Fundamentals of Computer Science
Grades: 9 Credits: 1 GPA Scale: 4.0
Prerequisites: *None*
Fundamentals of Computer Science is intended as a first course for those students just beginning the study of computer science. Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations and concepts.

AP Computer Science Principles (5407)
Grades: 9-10 Credits: 1 GPA Scale: 6.0
Prerequisites: *Algebra I (recommended)*
This course is equivalent to a first semester introductory college computing course. Students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology that interests them. Students will also develop effective communication and collaboration skills through discussions and writing. Prerequisites: Students should have successfully completed Algebra I. * This course is complementary to AP Computer Science A. These courses can be taken in any order or at the same time, as schedules permit. This course can substitute for 1 year of LOTE (Languages Other Than English). While this course can satisfy a LOTE graduation requirement, it may not meet the foreign language requirement for college admissions.

Computer Science I (5402)
Grades: 10-11 Credits: 1 GPA Scale: 4.0
Prerequisites: *Algebra I (recommended)*
This course is designed to provide an in depth study of the major components of computer science. Course content will include programming methodologies, simple data structures, algorithms, and an introduction to Object Oriented Programming design and implementation. The program language used is Java and the development environment is JCreator. Both are free software to encourage student use at home. This course can substitute for 1 year of LOTE (Languages Other Than English). While this course can satisfy a LOTE graduation requirement, it may not meet the foreign language requirement for college admissions.

Computer Science 2 (5403)
Grades: 11-12 Credits: 1 GPA Scale: 4.0
Prerequisites: *Computer Science I Honors*
Computer Science II is a continuation of the object oriented programming techniques studied in Computer Science I. Course is taught using the Java programming language. Topics include advanced programming algorithms and data structures including Java Collections, big-O analysis, sorting techniques, recursion, linked lists, stacks, queues, and trees. This course can substitute for 1 year of LOTE (Languages Other Than English). While this course can satisfy a LOTE graduation requirement, it may not meet the foreign language requirement for college admissions.

AP Computer Science A (5408)
Grades: 12 Credits: 1 GPA Scale: 6.0
Prerequisites: *Computer Science I Honors*
This course follows the College Board Computer Science Advanced Placement Guidelines. The course will be taught using the programming language Java. The Barron's study guide will be used in preparation for the AP Computer Science A test. This course may be counted as a math credit. The additional credit will satisfy a LOTE (Languages Other Than English) credit. This credit does not impact GPA. While it satisfies a LOTE graduation requirement, computer science may not meet college admission's requirements in foreign language. Students are required to take the AP Computer Science exam.

Other

Career Preparation 1 Class (5010)
Grades: 11-12 Credits: 2-3 GPA Scale: 4.0
Prerequisite: *Required Paperwork Must Be Completed and Returned By Due Date/Admissions Committee Approval*
This work-based learning program will prepare students with a variety of skills for a fast-changing workplace. Students will learn employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Students MUST be sixteen (16) years of age. Students are normally of junior or senior standing and MUST have reliable transportation. Students MUST have/find paid employment within the first ten (10) days of school. Students MUST work an average of 15 hours per week.

Career Preparation 2 Class (5011)
Grade: 12 Credits: 2-3 GPA Scale: 4.0
Prerequisite: *Required Paperwork Must Be Completed and Returned By Due Date/Admissions Committee Approval*
See course description for Career Preparation I.

GHS Graduation Plan

Student Name: _____

Endorsement: (Select One)

__ Arts & Humanities __ Business & Industry __ Public Service __STEM __ Multidisciplinary Studies

Program of Study: _____

	9th GRADE	10th GRADE
ENGLISH	___ 1011 English 1 ___ 1113 English 1 Honors	___ 1021 English 2 ___ 1123 English 2 Honors
MATH	___ 2011 Algebra 1 ___ 2113 Algebra 1 Honors ___ _____	___ 2021 Geometry ___ 2123 Geometry Honors ___ 2001 Math Models ___ _____
SCIENCE	___ 3011 Biology 1 ___ 3113 Biology 1 Honors ___ 3001 IPC	___3021 Chemistry ___3123 Chemistry Honors ___3113 Biology 1 ___ _____
SOCIAL STUDIES	___ 4011 W. Geography ___ 4113 W. Geography Honors	___ 4031 W History ___ 4233 W History Honors
GRAD REQUIREMENTS	PE: _____ Fine Art:_____ LOTE 1:_____	LOTE 2: _____ Elective :_____ Elective:_____
ENDORSEMENT CLASS	_____	_____

	11th GRADE	12th GRADE
ENGLISH	___ 1031 English 3 ___ 1133 English 3 Honors	___ 1041 English 4 ___ 1243 English 4 DC
MATH	___ 2031 Algebra 2 ___ 2133 Algebra Honors ___ 2001 Math Models ___ _____	___ 2301 Statistics ___ 2051 Pre-Calculus ___ 2153 Pre-Calculus Honors ___ 2041 College Prep Math ___ 2263 AP Calculus ___ _____
SCIENCE	___ 3031 Physics * ___ 3133 Physics Honors * ___ 3213 AP Chemistry ___ _____ *Algebra 1 EOC needed	___ 3213 AP Chemistry ___ 3223 AP Biology IPC ___3421 Aquatic Science ___3531 Astronomy ___3651 Anatomy/Physiology ___3761 Forensic Science ___5205 Adv. Animal Science ___5274 Adv. Plant/Soil Science ___ _____
SOCIAL STUDIES	___ 4021 US. History ___ 4123 US. History DC	___ 4041 Government ___ 4243 Government DC **AND** ___ 4051 Economics ___ 4253 Economics DC *Must take both Government and Economics in the same School Year
GRAD REQUIREMENTS	Elective: _____ Elective: _____ Elective: _____	Elective: _____ Elective: _____ Elective: _____
ENDORSEMENT CLASS	_____	_____

Student Name: _____ Student Signature: _____
Parent Signature: _____
Counselor Signature: _____ Date: _____

NOTES