Gregory-Portland High School

Course Description Guide

2016-2017

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It is the policy of the Gregory-Portland Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap in its programs, and services.

District Title X Coordinator
Assistant Superintendent
608 College Street
Portland, TX 78374

District 504 Coordinator
Director of Special Education
608 College Street
Portland, TX 78374

Es norma de Distrito Escolar Independiente de Gregory-Portland no discriminar por motives de raza, color, origen nacional, sexo o impendimento, en sus programas y servicios.

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Gregory-Portland Independent School District

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Gregory-Portland High School

MOTTO:

Challenging the leaders of tomorrow!

HIGH SCHOOL MISSION:

To provide a challenging environment where all students will experience academic and cultural opportunities that result in creative, disciplined, and productive life-long learners with strong character and a commitment to community.

Intent of this Guide

The provisions and information set forth in this Course Description Guide are intended to be informational and not contractual in nature. The District hereby reserves and retains the right to amend, alter, change, delete, or modify any of the provisions of this guide at any time, from time to time, in any manner that the Administration or the Board of Trustees of the District deems to be in the best interest of the students of this District. The contents of this guide apply to all students and programs in the District and do not amend, abridge, or replace Board policies or administrative regulations established by the District.

Students and Parents,

Planning a four-year high school program is a serious undertaking. Although many of your courses will be determined by the graduation requirements, you will still have many other choices to make during your years of school. The courses you select should be guided largely by your plans for the future. Will you continue your education in college or in a technical college? Do you want to join the military? Do you want to learn a career skill in order to enter the full-time work force immediately after school? Are you thinking of entering a profession that requires many years of specialized education? The answers to these questions are extremely important for making decisions about your course selections for high school. Those answers should also be guided by your interests and abilities.

Gregory-Portland ISD offers you many ways to prepare for a productive adult life. The district's high school provides a wide range of programs that prepare students for post-high school experiences: college, technical school, military service, full-time employment and other areas. Included in this guide are not only the graduation requirements for each program, but also samples of graduation plans to determine which classes you can take for a variety of career plans. The Endorsement Area of Study section of this guide explains future career options in terms of interest areas and suggests courses and activities that will help you arrive at your goal in life. After the Endorsement Area of Study section, all GPISD courses are listed and described, with information about prerequisites and grade level placement. By planning wisely and following through on preparation, you can create a future in which you will be successful.

The information presented in this guide is specific to your graduation year. Be aware that this material is published early in the preceding school year and some changes in procedure, policy or course offerings may occur when required by Education Code.

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AchieveTexas Initiative

The high school curriculum in the Gregory-Portland Independent School District is designed to meet the needs of students preparing for college, careers, and citizenship in the community. Gregory-Portland High School offers a full range of courses, advanced academics, and a comprehensive array of Career and Technical Education programs. All GPISD students are expected to prepare for both college and careers.

AchieveTexas

All Gregory-Portland High School students have the opportunity to focus their high school elective course choices in a field of interest. The AchieveTexas model of career planning is an initiative designed to prepare students for a lifetime of success. It allows students to achieve excellence by preparing them for secondary and postsecondary opportunities, career preparation and advancement, meaningful work, and active citizenship.

AchieveTexas is a program designed to help students (and their parents) make wise educational choices. It is based on the belief that the curricula of the 21st century should combine rigorous academics with relevant career education. When schools integrate academic and technical education, students can see the "usefulness" of what they are learning. The system also facilitates a seamless transition for secondary to postsecondary opportunities.

The initiative utilizes endorsement pathways as the foundation for structuring how schools arrange their instructional programs. A Career Cluster is a grouping of occupations and broad industries based on commonalities. The Clusters provide organization for Career Pathways and Endorsements that represent a recommended sequence of coursework based on a student's interest or career goal.

Goals of AchieveTexas

- Every student prepares a personalized graduation plan for grades 9-16 and beyond. The student chooses a Career Cluster and an Endorsement to guide his or her learning in the context of personal career interests. Plans are evaluated and updated annually.
- Career concentrations in high school help students transition into career preparation in postsecondary education. All participants experience career advancement and employment.
- The education system is seamless between high school and postsecondary institutions. Students have opportunities in a Program of Study to earn dual credit that flows seamlessly into postsecondary education or training.
- Academics are woven throughout the curriculum. There is an integration of academic and technical knowledge and skills within the curriculum. Interdisciplinary teaching takes place and academics are taught in context.
- Career guidance is dramatically enhanced. All students have access to quality assessment and career information resources. Career counseling is provided with a strong emphasis on career and college readiness.

AchieveTexas uses the current high school graduation program as a foundation and focus, and integrates electives in a coherent sequence to build student skills in an area of interest. Students are encouraged to take Pathway courses in a coherent sequence to maximize the effectiveness of the learning. Teachers and counselors will be able to help students review interests and skills to determine which pathway to choose.

House Bill 5 / Gregory-Portland ISD Graduation Requirements

Foundation Plan: 26 Credits Total (GPISD requires 26 credits, State of Texas requires 22 credits)

English Language Arts	4 Credits: English I English II English III Advanced English Course
Mathematics	3 Credits: Algebra I Geometry Algebra II (recommended) or Advanced Math
Science	3 Credits: Biology Integrated Physics and Chemistry (IPC) or Advanced Science Additional Advanced Science
Social Studies*	3 Credits: World Geography US History US Government (½ credit) Economics (½ credit)
Languages Other than English	2 Credits
Physical Education	1 Credit
Electives	4 Credits
Fine Arts	1 Credit
Health	.5 Credit
Professional Communications(Speech)	.5 Credit

Endorsement: 26 Credits

To earn an endorsement a student must successfully complete:

1 additional credit in mathematics

1 additional credit in science

Distinguished Level of Achievement: 26 Credits

To earn a distinguished level of achievement a student must successfully complete the curriculum requirements for at least one endorsement, including four credits in science and four credits in mathematics to include Algebra II.

**Although a 4th credit in Social Studies is not required by the state, most colleges prefer both World Geography & World History credits on transcript.*

Performance Acknowledgement
A student may earn a performance acknowledgement on their diploma or transcript for outstanding performance on any of the following: • Completing at least 12 hours of college academic courses; • In bilingualism or biliteracy; • On a college AP exam or IB exam; • On the PSAT, ACT-Plan, SAT, or SAT; or • For earning a nationally or internationally recognized industry certification.

HB 5 Endorsement Areas of Study

A student may earn an endorsement on the student's diploma and transcript by successfully completing curriculum requirements for that endorsement adopted by the State Board of Education. The State Board of Education shall provide students with multiple options for earning each endorsement, including, to the greatest extent possible, coherent sequences of courses. The State Board of Education must permit a student to enroll in courses under more than one endorsement curriculum before the student's junior year.

Each student entering grade nine in 2014-2015 and thereafter must indicate in writing an endorsement choice. Students must be allowed to choose, at any time, to earn an endorsement other than the one previously selected.

Endorsement	Areas of Study
STEM: Science, Technology, Engineering, and Math	Science (including Environmental Science) Technology (including Computer Science) Engineering Advance Mathematics
Business and Industry	Advanced Broadcast Journalism, Newspaper, or Public Speaking Agriculture, Food, and Natural Resources Arts, A/V Technology and Communications Business Management and Administration Finance / Accounting Information Technology Manufacturing and Welding Process Technology Transportation and Logistics (Automotive Technology)

Endorsement	Areas of Study
Public Services	Health Science Hospitality and Tourism (Culinary Arts) Human Services JROTC Law, Public Safety, Corrections, and Security
Arts and Humanities	Art Languages Other than English Music Theater Social Studies / Political Science
Multidisciplinary Studies	Allows a student to complete: • Four credits in the four core subjects (English, Math, Science, Social Studies); • Four credits in AP or DC in the four core subjects; or • Four advanced courses from the same endorsement area in a coherent sequence, or from different endorsement areas when students change their declared endorsement.

Science, Technology, Engineering, and Math Endorsement

Sample Personal Graduation Plan

Course Projections are based on current House Bill 5.

Students have the opportunity to earn high school credits during middle school that meet graduation requirements.

Grade	1	2	3	4	5	6	7
9th	English I / PreAP English I **EOC**	Algebra I/ PreAP Algebra I **EOC**	World Geography / PreAP W. Geography	Biology / PreAP Biology **EOC**	*Languages Other Than English I	*Fine Arts	*Physical Education
10th	English II / PreAP English II **EOC**	Geometry / PreAP Geometry	World History / PreAP, AP World History, or Endorsement Course / Elective	Chemistry / PreAP Chemistry or Advance Science	*Languages Other Than English II	*Endorsement Course	*Endorsement Course / Elective
11th	English III / PreAP English III	Algebra II / PreAP Algebra II	US History / AP US History / DC **EOC**	Physics / AP Physics or Advanced Science	*Endorsement Course	*Endorsement Course	*Endorsement Course / Elective
12th	English IV/ AP English IV/ DC	Advanced Math	Government & Economics / AP / DC	Advanced Science	*Health / Comm. Apps.	*Endorsement Course/ Elective	*Endorsement Course/ Elective

**Designated courses may be completed at any grade level*

EOC – End-of-Course Exam required for graduation

DC – Dual Credit

AP – Advanced Placement

Sample Courses Directly Related to STEM Area of Study:

Mathematics
Algebra II or Pre-AP Algebra II
Pre-Calculus or Pre-Calculus Pre-AP
AP Calculus AB / BC
AP Statistics
Advanced Quantitative Reasoning
Dual Credit Mathematics Courses
Additional courses as recommended

Science
AP Biology
AP Chemistry
AP Physics
Earth and Space Science
Anatomy and Physiology
Aquatic Science
Environmental Systems
Environmental Science
Additional courses as recommended

Business and Industry Endorsement
Sample Personal Graduation Plan

Course Projections are based on current House Bill 5.

Students have the opportunity to earn high school credits during middle school that meet graduation requirements.

Grade	1	2	3	4	5	6	7
9th	English I / PreAP English I **EOC**	Algebra I/ PreAP Algebra I **EOC**	World Geography / PreAP W. Geography	Biology / PreAP Biology **EOC**	*Languages Other Than English I	*Fine Arts	*Physical Education
10th	English II / PreAP English II **EOC**	Geometry / PreAP Geometry	World History / PreAP, AP World History, or Endorsement Course / Elective	Chemistry / PreAP Chemistry or Advance Science	*Languages Other Than English II	*Endorsement Course	*Endorsement Course / Elective
11th	English III / PreAP English III	Algebra II / PreAP Algebra II / Advanced Math	US History / AP US History / DC **EOC**	Physics / AP Physics or Advanced Science	*Endorsement Course	*Endorsement Course	*Endorsement Course / Elective
12th	English IV/ AP English IV/ DC	Advanced Math	Government & Economics / AP / DC	Advanced Science	*Health / Comm. Apps.	*Endorsement Course/ Elective	*Endorsement Course/ Elective

**Designated courses may be completed at any grade level*

EOC – End-of-Course Exam required for graduation

DC – Dual Credit

AP – Advanced Placement

Business and Industry Endorsement courses located on following page.

Business and Industry Endorsement
Endorsement Courses

Sample Courses Directly Related to Business and Industry Area of Study:

Arts, A/V Technology Communications	Architecture & Construction	Business Management & Administration	Agriculture, Food, & Natural Resources
Professional Communications (Speech)	Agricultural Mechanics and Metal Technologies	Principles of Business, Marketing and Finance	Principles of Agriculture, Food and Natural Resources
Principles of Arts, A/V Technology and Communications	Welding I Dual Credit Del Mar	Dollars and Sense	Equine Science
Digital and Interactive Media	Welding II Dual Credit Del Mar	Business Information Management I & II	Small Animal Management
Business Information Management I	Process Technology I	Accounting I & II	Wildlife, Fisheries, and Ecology Management
Audio/Video Production	Process Technology II	Principles of Info. Technology	Anatomy and Physiology of Human Systems (Science Credit)
Computer Programming (PreAP)	Automotive Technology	Digital & Interactive Media	Advanced Animal Science
Animation	Electrical	Computer Programming (PreAP)	Landscape Design and Turf Grass Management
Digital Video and Audio Design	Interior Design	Practicum in Business Management	Horticulture Science
Independent Study in Video Tech		Journalism Coursework	Advanced Plant and Soil Science
Practicum in Audio Video Production			
Additional courses as recommended			

Public Services Endorsement
Sample Personal Graduation Plan

Course Projections are based on current House Bill 5.
Students have the opportunity to earn high school credits during middle school that meet graduation requirements.

Grade	1	2	3	4	5	6	7
9th	English I / PreAP English I **EOC**	Algebra I/ PreAP Algebra I **EOC**	World Geography / PreAP W. Geography	Biology / PreAP Biology **EOC**	*Languages Other Than English I	*Fine Arts	*Physical Education
10th	English II / PreAP English II **EOC**	Geometry / PreAP Geometry	World History / PreAP, AP World History, or Endorsement Course / Elective	Chemistry / PreAP Chemistry or Advance Science	*Languages Other Than English II	*Endorsement Course	*Endorsement Course / Elective
11th	English III / PreAP English III	Algebra II / PreAP Algebra II / Advanced Math	US History / AP US History / DC **EOC**	Physics / AP Physics or Advanced Science	*Endorsement Course	*Endorsement Course	*Endorsement Course / Elective
12th	English IV/ AP English IV/ DC	Advanced Math	Government & Economics / AP / DC	Advanced Science	*Health / Comm. Apps	*Endorsement Course/ Elective	*Endorsement Course/ Elective

**Designated courses may be completed at any grade level*
EOC – End-of-Course Exam required for graduation
DC – Dual Credit
AP – Advanced Placement

Public Services Endorsement courses located on following page.

Sample Courses Directly Related to Public Services Area of Study:

Health Sciences	Human Services	Law Enforcement	Hospitality & Tourism
Health Science: Medical Terminology/Medical Law and Ethics	Principles of Human Services	Principles of Law, Public Safety, Corrections and Security	Principles of Human Services
Electrocardiography/Health Unit Coordinator	Dollars and Sense	Court Systems and Practices	Dollars and Sense
Practicum of Health Science: Phlebotomy and Clinical	Cosmetology I	Law Enforcement I & II	Lifetime Nutrition and Wellness
Certified Nurse Aide (CNA) for Health Care and Clinical	Cosmetology II	Firefighter I & II	Restaurant Management
Practicum for Emergency Medical Technician	Child Development	JROTC	Culinary Arts
	Lifetime Nutrition and Wellness		Hospitality Services
Additional courses as recommended			

Arts and Humanities Endorsement
Sample Personal Graduation Plan

Course Projections are based on current House Bill 5.
Students have the opportunity to earn high school credits during middle school that meet graduation requirements.

Grade	1	2	3	4	5	6	7
9th	English I / PreAP English I **EOC**	Algebra I/ PreAP Algebra I **EOC**	World Geography / PreAP W. Geography	Biology / PreAP Biology **EOC**	*Languages Other Than English I	*Fine Arts	*Physical Education
10th	English II / PreAP English II **EOC**	Geometry / PreAP Geometry	World History / PreAP, AP World History, or Endorsement Course / Elective	Chemistry / PreAP Chemistry or Advance Science	*Languages Other Than English II	*Endorsement Course	*Endorsement Course / Elective
11th	English III / PreAP English III	Algebra II / PreAP Algebra II	US History / AP US History / DC **EOC**	Physics / AP Physics or Advanced Science	*Endorsement Course	*Endorsement Course	*Endorsement Course / Elective
12th	English IV/ AP English IV/ DC	Advanced Math	Government & Economics / AP / DC	Advanced Science	*Health / Comm. Apps.	*Endorsement Course/ Elective	*Endorsement Course/ Elective

**Designated courses may be completed at any grade level*
EOC – End-of-Course Exam required for graduation
DC – Dual Credit
AP – Advanced Placement

Arts and Humanities Endorsement courses located on following page.

Sample Courses Directly Related to Arts and Humanities Area of Study:

Social Studies	Languages Other Than English	Art	Music	Theater
World Geography / PreAP	Spanish PreAP / AP	Art I	Band I, II, & III	Theater Arts I, II, III
World History / PreAP / AP	German PreAP	Drawing II, III, IV	Instrumental Ensemble	Technical Theater I & II
AP Economics			Choral Music I, II, & III	Theater Production I, II, & III
Psychology / DC			Advanced Choral Music I, II, III, & IV	
Sociology / DC			Choral Ensemble	
Philosophy / DC			Music Theory	
Current Topics and Issues in Social Studies				
Advance Topics in Social Studies				
Additional courses as recommended				

Multidisciplinary Studies Endorsement
Sample Personal Graduation Plan

Course Projections are based on current House Bill 5.
Students have the opportunity to earn high school credits during middle school that meet graduation requirements.

Grade	1	2	3	4	5	6	7
9th	English I / PreAP English I **EOC**	Algebra I/ PreAP Algebra I **EOC**	World Geography / PreAP W. Geography	Biology / PreAP Biology **EOC**	*Languages Other Than English I	*Fine Arts	*Physical Education
10th	English II / PreAP English II **EOC**	Geometry / PreAP Geometry	World History / PreAP, AP World History, or Endorsement Course / Elective	Chemistry / PreAP Chemistry or Advance Science	*Languages Other Than English II	*Endorsement Course	*Endorsement Course / Elective
11th	English III / PreAP English III	Algebra II / PreAP Algebra II	US History / AP US History / DC **EOC**	Physics / AP Physics or Advanced Science	*Endorsement Course	*Endorsement Course	*Endorsement Course / Elective
12th	English IV/ AP English IV/ DC	Advanced Math	Government & Economics / AP / DC	Advanced Science	*Health / Comm. Apps.	*Endorsement Course/ Elective	*Endorsement Course/ Elective

**Designated courses may be completed at any grade level*
EOC – End-of-Course Exam required for graduation
DC – Dual Credit
AP – Advanced Placement

Allows a student to complete:

- Four credits in the four core subjects (English, Math, Science, Social Studies);
- Four credits in AP or DC in the four core subjects; or
- Four advanced courses from the same endorsement area in a coherent sequence, or from different endorsement areas when students change their declared endorsement.

Graduation Options for Students Entering 9th Grade Prior to 2014-2015 School Year

State and National Standards

Gregory-Portland High School curriculum offers courses taught at or above prescribed State and National Standards. Teachers provide instruction as outlined in the Texas Essential Knowledge and Skills (TEKS) and work to prepare students for the State of Texas Assessment of Academic Readiness (STAAR) exams as well as Advanced Placement exams.

GPISD will make every effort to support transfer students from out of state and from other Texas districts in receiving educational opportunities that ensure graduation with their age appropriate peers.

Recommended High School Plan (RHSP)

Gregory-Portland High School offers the recommended plan for graduation. A student must complete the core courses which include: English, Mathematics, Science and Social Studies. Two years of the same language other than English are also required, as well as the requirements listed on the "Graduation Credit Requirements" charts (pp. xx-xxi). Freshman class of 2013-2014 students who graduate from Gregory-Portland High School are eligible to apply for the Texas Grant for college and receive the honor of being a Texas Scholar.

Distinguished Achievement Program (DAP)

To graduate under the Distinguished Achievement Program, a student must complete all Gregory-Portland High School required course credits for the Distinguished Achievement Plan plus any four combinations of the advanced measures noted below.

These measures must focus on demonstrated student performance on the college or professional level.

Example 1: Score of three or better on two Advanced Placement (AP) examinations; successful completion of one college course and one research project. Example 2: Score of three or better on four AP examinations. (See pg.22 for AP information)

Advanced Measures for Distinguished (DAP)

- Original research/project that is:
    - Evaluated by a panel of professionals in the field that is the focus of the project, or
    - Conducted under the direction of mentor(s) and reported to an appropriate audience

  Note: This measure may not be used for more than two of the four advanced measures in meeting the requirement of the Distinguished Achievement Program.

- Test data:
    - Achievement of a score of three or above on a College Board Advanced Placement examination,
    - Achievement of a score on the PSAT that qualifies a student for recognition as a Commended Scholar or higher
        - by the National Merit Scholarship Corporation,
        - or as part of the National Hispanic Scholar Program of The College Board,

        - or as part of the National Achievement Scholarship Program for Outstanding African-American Students of the National Merit Scholarship Corporation.

    Note: The PSAT score may count as only one advanced measure regardless of the number of honors received by the student.

- College academic courses:
    - Achievement of a grade of 80 or higher on college academic courses, including those taken for dual credit, and advanced technical credit, including locally articulated courses.

Graduation Options for Students Entering 9th Grade Prior to 2014-2015 School Year

Discipline	Recommended **26 Credits**	Distinguished Achievement **26 Credits & Advanced Measures**
English/Language Arts	**Four Credits:** *English I *English II *English III The fourth credit of English may be selected from any of the following: -English IV -AP English Literature and Composition -English IV Dual Credit	**Four Credits:** *English I *English II *English III The fourth credit of English may be selected from any of the following: -English IV -AP English Literature and Composition -English IV Dual Credit
Mathematics	**Four Credits:** *Algebra I *Geometry *Algebra II The fourth credit may be selected from the following and must be completed successfully prior to Algebra II: -Mathematical Models with Applications The fourth credit may be selected from the following after completion of Algebra I, Geometry, and Algebra II -Advanced Quantitative Reasoning -Pre-calculus -Independent Study in Mathematics -AP Statistics -AP Calculus AB -AP Calculus BC -AP Computer Science -Dual Credit Fourth Math Option	**Four Credits:** *Algebra I *Geometry *Algebra II The fourth credit may be selected from the following after completion of Algebra I, Geometry, and Algebra II -Advanced Quantitative Reasoning -Pre-calculus -Independent Study in Mathematics -AP Statistics -AP Calculus AB -AP Calculus BC -AP Computer Science -Dual Credit Fourth Math Option
Science	**Four Credits:** *Biology *Chemistry *Physics **The additional credit may be IPC and must be successfully completed prior to chemistry and physics. The fourth credit may be selected from the following: -Environmental Systems -Aquatic Science -Earth and Space Science -Anatomy and Physiology of Human Systems -AP Biology -AP Chemistry -AP Physics -AP Principles of Technology I -AP Environmental Science -Dual Credit Fourth Science Option	**Four Credits:** *Biology *Chemistry *Physics After successful completion of a biology course, a chemistry course, and a physics course, the fourth credit may be selected from any of the following: -Environmental Systems -Aquatic Science -Earth and Space Science -Anatomy and Physiology of Human Systems -AP Biology -AP Chemistry -AP Physics -AP Environmental Science -Dual Credit Fourth Science Option

Social Studies	**Three and one-half credits:** *World Geography *World History *US History Studies Since Reconstruction *US Government (1/2 credit)	**Three and one-half credits:** *World Geography *World History *US History Studies Since Reconstruction *US Government (1/2 credit)
Economics	**One-Half Credit**	**One-Half Credit**
Languages Other Than English	**Two Credits** The credits must consist of any two levels in the same language: -Spanish -German	**Three Credits** The credits must consist of any three levels in the same language: -Spanish -German
Physical Education	**One Credit:** The required credit may be from any combination of the following one-half to one credit courses: -Foundations of Personal Fitness -Team or Individual Sports In accordance with policy, credit for the courses listed above may be earned through participation in the following activities: -Athletics -JROTC In accordance with policy, up to one credit for any of the courses listed above may be earned through participation in any of the following activities: -Marching Band -Cheerleading *All substitution activities must include at least 100 minutes per week of moderate to vigorous physical activity*	**One Credit**: The required credit may be from any combination of the following one-half to one credit courses: -Foundations of Personal Fitness -Team or Individual Sports In accordance with policy, credit for the courses listed above may be earned through participation in the following activities: -Athletics -JROTC In accordance with policy, up to one credit for any of the courses listed above may be earned through participation in any of the following activities: -Marching Band -Cheerleading *All substitution activities must include at least 100 minutes per week of moderate to vigorous physical activity*
Health Education	One-Half Credit: Or Health Science Tech (one credit)	One-Half Credit: Or Health Science Tech (one credit)
Fine Arts	**One Credit** selected from the following: -Theater Arts -Art -Band -Choir -Technical Theater	**One Credit** selected from the following: -Theater Arts -Art -Band -Choir -Technical Theater
Speech	**One-Half Credit** -Communication Applications	**One-Half Credit** -Communication Applications
Electives	**Five Credits** It is required that each student take electives related to their Program of Study.	**Four Credits** It is required that each student take electives related to their Program of Study.
Total Credits	**26**	**26**

Graduation Requirements and Programs for Freshman Class of 2014-2015 and Beyond

Gregory-Portland High School curriculum offers courses taught at or above prescribed State and National Standards. Teachers provide instruction as outlined in the Texas Essential Knowledge and Skills (TEKS) and work to prepare students for the State of Texas Assessment of Academic Readiness (STAAR) exams as well as Advanced Placement exams.

GPISD will make every effort to support transfer students from out of state and from other Texas districts in receiving educational opportunities that ensure graduation with their age appropriate peers.

Graduation Requirements

You are encouraged to plan your personal graduation plan so that you graduate with 26 credits and meet your selected endorsement requirements. Also, if you plan to graduate with Distinguished Level of Achievement and take fine arts and/or athletics/cheerleading for four years, it may mean that you graduate with more than 26 credits. It is very important that you consider the number of courses that you take during all four years of your high school experience. In addition, your senior year is an important year. More than likely, you are preparing to transition into college or some kind of technical training. Often, students minimize their senior year and forget that transitioning into college or technical school requires managing a full-load of courses. If you have completed all of your high school graduation requirements, taking dual-credit or an AP course for college credit will make that transition to college more successful

State Testing Requirements for Graduation

In addition to successfully completing all course requirements, students must meet certain state testing requirements for graduation which are determined by the year in which a student begins high school.

Students entering grade 9 in 2011-2012 and later must meet STAAR requirements for graduation by meeting the Level II (satisfactory) standard on End-Of-Course (EOC) exams in English I, English II, Algebra I, Biology, and U.S. History. Retest opportunities for students who fail to meet the Level II: Satisfactory Performance, are provided three times during the year in spring (April and May), July, and December.

Graduation Ceremony

There will be one formal graduation ceremony held in May. A fall graduate or a three year graduate may participate in May graduation ceremonies. A fall graduate must notify the principal on or before March 1 of the spring semester of his/her intent to participate.

Graduation Through Acceleration (Three-Year Graduates)

It is strongly recommended that students who wish to graduate through acceleration apply as early as possible in their high school career to facilitate appropriate planning. Therefore, students should apply no later than the *end of the first nine weeks of their junior year*.

Graduation through acceleration may be accomplished by following district policy and completing graduation requirements through:

- Normal academic-year coursework,
- Credit by Exam without prior instruction (see School Board Policy EEJB, and Student-Parent Handbook),
- Summer school courses, and/or
- Correspondence courses.

Students will receive credit on transcripts for courses taken through these methods. Grades achieved will not be utilized to calculate the student's GPA or class rank. Weighted or Dual Credit courses taken during the summer do not count in class rank or to calculate GPA. Please see your counselor regarding early graduate scholarship. A student who has applied for early graduation, may reverse that decision with written parent permission and principal approval.

Graduation Requirements for Students Receiving Special Education Services

Graduation Method I for Students Receiving Special Education Services

a. A student receiving special education services may graduate and be awarded a high school diploma if the student has satisfactorily completed the district's least curriculum and credit requirements for graduation applicable to students in general education, including satisfactory performance on the exit-level assessment instrument (STAAR).
b. A student receiving special education services may graduate and be awarded a high school diploma if the student has satisfactorily completed the district's least curriculum and credit requirements for graduation applicable to students in general education and has been exempted from the exit-level assessment instrument (STAAR).

Graduation Method II for Students Receiving Special Education Services

A student receiving special education services may graduate and be awarded a high school diploma if the student has satisfactorily completed the district's least curriculum and credit requirements for graduation to the extent possible with modifications/substitutions only when it is determined necessary by the admission, review, and dismissal (ARD) committee for the student to receive an appropriate education applicable to students in general education who have been exempted from the exit-level assessment instrument (STAAR). The ARD committee must also determine that the student has successfully completed the student's individual education program (IEP) and has met one of the following conditions:

a. Full-time employment, based on the student's abilities and local employment opportunities, in addition to sufficient self-help skills to enable the student to maintain the employment without direct and ongoing educational support of the local school district.
b. Demonstrated mastery of specific employability skills and self-help skills which do not require direct, ongoing educational support of the local school district.
c. Access to services which are not within the legal responsibility of public education, or employment educational options for which the student has been prepared by the academic program.

Graduation Method III for Students Receiving Special Education Services

The student no longer meets age eligibility requirements and has completed the requirements specified in the Individualized Education Plan (IEP).

*Note***:** For students who graduate through Graduation Method II A, B, or C, the ARD committee shall determine whether educational services will be resumed upon request of the student, as appropriate, so long as the student meets the age eligibility requirement.

Graduation with a high school diploma under Graduation Method I A or B terminates a student's eligibility for special education services.

Parent and Student Information Regarding the SAVE Committee Process

For several reasons it is important that students and parents carefully plan the course selections for each semester and year. Most importantly, students should question and explore the content of a course option before making and submitting a choice. Jumping from course to course during a semester interrupts the learning process and does not help students learn thoughtful decision-making, commitment, and perseverance. Secondly, master schedules are developed in the spring prior to the upcoming year. Selections during registration indicate how many teachers and sections will be needed for each course. This process allows administrators to plan and to hire for optimum academic excellence and success.

When students are permitted to randomly change schedules, classes can become overcrowded and imbalanced. Many students can be affected. Even the most effective planning is compromised since it is very seldom that a one-course change affects only one course. Careful selections benefit everyone. Thank you for being a crucial part of the high school educational team as everyone works together for academic excellence.

- Registration
    - Parent and student informational meetings will be held during spring registration.
    - Students will be guided through course selection during registration.
    - Students who do not submit a registration form will have a schedule arranged for them by their counselor according to their academic needs and/or graduation plan.
- Add/Drop Date
    - A Course Selection Verification Form will be mailed to each student at the completion of registration.
    - A student who does not submit a change to the Course Selection Verification Form by the add/drop date will not be eligible for a course selection change.
    - Only course selection changes pertaining to graduation plans and/or computer errors will be addressed during the following year.
- SAVE Committee Process
    - Schedule changes that are requested after the add/drop date and that only affect core classes will be addressed through the SAVE Committee process.
    - Schedule change requests for elective classes will not be considered after the add/drop date.
    - After conferencing with the student's teacher, the student and/or parents may make application with the counselor to request a SAVE Committee meeting.
    - The SAVE Committee is chaired by the counselor and is composed of the student, the parent/guardian, the teacher whose class the student is requesting to exit, the department chair (if necessary), and an administrator.
    - The SAVE Committee process becomes an option on the sixth day of the course.
    - Every effort will be made to "save" the student's schedule.

Prepare for Post-Graduation

Always choose the courses which are most rigorous and challenging for you. High school is not just something you have to get through. It is the foundation for college and your life work.

It is not too early to start thinking of colleges, universities, and/or trade or technical schools which you would like to attend. The high school counselors will help you in your search. See your counselor for further information.

9th Grade: Select an Endorsement based on interest and results from Career Cruising profile. Get to know your counselor by signing in on the form provided in the Guidance Office. Visit the Guidance Office and library to discover available resources. Take advantage of meeting college representatives when they visit GPHS, attend Coastal Bend College Night, take the PSAT, and begin to develop a list of all your activities, awards, and honors (a student résumé).

10th Grade: Continue gathering college and career information. Utilize career and interest software in lab. Validate/Update endorsement. Plan to take TSI test when administered in November. Apply for summer college programs for high school students and participate in summer enrichment activities. Share your interests and concerns about college with your parents and your counselor. Take the PSAT. Add to your student résumé.

11th Grade: Validate/Update endorsement. Take the PSAT in October. Take the ACT or SAT in spring or early summer. If not exempt, take the TSI if planning on taking any dual credit courses. If possible, visit some of the college campuses which you are considering attending. Talk to college students and ask them questions about college. Visit the GO Center. See your counselor about procedures for applying to military academies if interested. Update your résumé. Spend time planning and writing essays for college admissions.

12th Grade: Validate/Update endorsement. Repeat college entrance exams if scores need to be increased and take the TSI test if not exempt. Narrow down your list of colleges; keep in mind costs, admissions requirements, academic offerings, your interests, strengths, and weaknesses. Meet Deadlines! Apply for scholarships for which you qualify listed in Senior Guidance Newsletter, on the Internet and from other available sources found in the library. Meet Deadlines! Complete and submit at least two or three applications to schools for which you meet the entrance requirements. Complete your résumé and give a copy to your counselor. Complete the FASFA (Financial Aid Application) as soon after January 1 as possible.

Grading System

A minimum semester average of seventy percent (70%) is required in order to receive credit in a course; however, both passing and failing grades are used in computing grade point average. In a one credit class, the first and second semester averages are averaged together to give the student the opportunity to receive full credit, even with one failing semester grade.

A student's cumulative Grade Point Average (GPA) is figured by averaging each semester's grades.

Credit for an individual semester shall be earned by a student who earns a passing grade for one semester, but whose combined grade for the two semesters is lower than 70. In this circumstance, the student shall be required to retake only the semester in which the failing grade was earned.

Credit for both semesters of a two-semester course shall be earned by a student when the combined grade for the two semesters is a 70 or higher, even if the grade earned in one semester is lower than a 70.

When AP, Pre-AP or other weighted courses are taken, each of those class semester grades is multiplied by 1.1 and the weighted average is used to figure the GPA for that semester. Weighting of AP, Pre-AP, Dual Credit, or any course designated as a weighted course is awarded only when a student completes the full semester of a one-semester course or both semesters of a two-semester course.

Credit Recovery Learning Lab, Alternative Education Courses (WLC), courses identified as acceleration courses, zero hour, night school, credit by examination (with or without prior instruction), summer school, courses not recognized by TEA, courses taken at the college or university campus for college credit only, courses taken at the junior high campus, and correspondence course grades are not weighted and are not used in computing GPA.

Promotion Standards / Grade Level Classification

Credits earned determine how a student is classified as of September 1 for that entire school year. In addition to credits, students must meet minimum expectations (passing standards) for all state assessments (example: Texas Assessment of Knowledge and Skills (TAKS) or State of Texas Assessment of Academic Readiness (STAAR)) for graduation.

Credits required for grade level classification:

- *Grade 9* – less than 6 credits
- *Grade 10* – minimum of 6 credits and entering at least second year in an accredited high school
- *Grade 11* – minimum of 12 credits and entering at least third year in an accredited high school
- *Grade 12* - minimum of 19 credits and entering at least fourth year in an accredited high school, OR has completed the early graduation application process

The required class load for each student is seven courses. A senior, with nineteen credits and administrative and parental approval, **may** be excused first or seventh period.

Credit Recovery

Credit Recovery Learning Lab

Gregory-Portland High School utilizes a Credit Recovery Learning Lab as a credit recovery program. The goals of the program are to:

- increase the number of students who graduate on time with their age peers,
- increase the number of students earning credits in required curriculum areas,
- increase the number of students graduating from high school and
- keep students on track for a four year graduation

To achieve these goals, the high school has adopted a program model that creates an alternative to repeating a traditional class, utilizes instructional technology, and encourages staff and student interaction. A lab manager coordinates with counselors to identify and enroll students who qualify for the Credit Recovery Learning Lab. Using criteria established by a high school committee, the counselors adjust the student's schedule to allow time to attend the lab.

Non-Traditional Setting

GPISD offers an option for a non-traditional learning center so that all students will have an opportunity to earn a high school diploma and prepare for post-high school life. Please see a high school counselor or

administrator to determine if the alternative learning center is an option for you.

Valedictorian and Salutatorian Qualifications

To be eligible for valedictorian and salutatorian, the following criteria shall be met:

1. The student must have completed four years of high school.
2. The student must have been enrolled at Gregory-Portland High School for the four semesters preceding graduation and must be eligible to graduate at the end of the spring semester.
3. A minimum of ten advanced courses must be taken and credit earned during the four years of high school.
4. Valedictorian and salutatorian must be a candidate for the Distinguished Achievement Program.

The student meeting criteria (1-4) and achieving the highest GPA will be named ***valedictorian***.

The student meeting criteria (1-4) and achieving the second highest GPA will be named ***salutatorian***.

Gifted and Talented

Gregory-Portland Independent School District's Gifted/Talented Education Program provides an array of learning opportunities that are commensurate with the abilities of gifted and talented (GT) students, emphasizing accelerated and enriched content in language arts, math, science, and social studies. Identified GT students are provided a learning environment that allows for independent study, group work with peers of comparative ability, and group work with peers who represent a heterogeneous population.

At Gregory-Portland High School, GT students receive instruction through Pre-AP, AP, and Dual Credit classes in the four core academic areas. Differentiation is outlined by the classroom teacher through classroom instruction, assignments, grouping, material, and/or grading techniques.

Students may be nominated for the GT program by teachers, parents, counselors, librarians, administrators, or community members. Nomination may also be made by peers or students may self-nominate. Nominations for the GT program take place in March of each school year. For more information, please contact your campus guidance counselor.

Earning College Credit While In High School

Pre-Advanced Placement:

Students can prepare for future college work and Advanced Placement courses by taking Pre-Advanced Placement (Pre-AP) courses in high school. Pre-AP courses shall provide activities to accelerate and expand the regular course. These courses offer students the opportunities to master skills and strategies that will help them in Advanced Placement course participation. Students who participate in Pre-AP sections are expected to practice good study skills, work independently, and appreciate the challenge of an accelerated pace of curriculum, in-depth learning, product development, and above grade level responses. Each course has specific requirements which will include such components as projects, summer reading, homework, and research. Students are required to maintain an acceptable level of performance to remain in Pre-AP and AP courses. Failure to meet these requirements will result in academic probation and possible removal from the class. Please see the GPHS Student-Parent Handbook for additional information.

Note: Students taking Pre-AP courses are not exempt from No Pass/No play requirements.

Advanced Placement Program

The Advanced Placement (AP) Program is a cooperative educational endeavor between secondary schools, colleges, and universities. For students who are willing and able to apply themselves to college-

level studies, the AP Program enriches their secondary and post-secondary school experiences. It also provides the means for colleges to grant credit, placement, or both to students who have applied themselves successfully.

Students should elect to participate in AP courses on the basis of their preparation for such a course, their willingness and ability to meet its academic challenges, and the time he/she is willing to devote.

After the completion of the AP courses, students are given the opportunity to take the AP exam in May. All students taking AP courses are expected to take the AP exam for the course. The fee for this exam is approximately $92.00 and is the responsibility of the student. For payment assistance, please see the counselor.

AP teachers have had extensive training in the course design which remains constant throughout the United States. Teachers are not allowed latitude or discrepancy in the high academic standards of the class. Therefore, students must be willing to meet the challenges as presented by these college level courses.

Once enrolled in an AP course, students are required to remain in that course for the entire semester. A parent must attend an informational meeting and sign a course agreement in order for a student to be enrolled in an AP course. The purpose of the informational meeting is to ensure that parents understand the expectations of the AP courses. Meeting times will be communicated at a later date.

Dual Credit Program:

The dual credit program is designed to provide students an opportunity for greater academic challenge and to reward these students by granting college credit and high school graduation credit concurrently. The dual credit program encourages a wise use of time while offering a considerable savings in money when compared to earning the same credit as a traditional college student while at college away from home. Dual credit courses are college-level academic or technical courses taken by high school students for which they receive high school credit and college credit simultaneously.

Students and parents are responsible for meeting admission procedures set by the Institution of Higher Education providing the particular course or courses. These procedures include:

- Provide qualifying placement scores from college entrance exams,
- Complete both required applications for enrollment, the dual credit enrollment application that must be approved by a counselor and the principal, and the Apply Texas application,
- Complete all course billing requirements by set deadlines through the institution of higher learning, and
- Purchase necessary textbooks and supplies.

Dual Credit college courses may be offered via online, onsite, and/or at participating colleges. This may include instruction being provided by a Del Mar professor or GP High School staff member. There will be a *mandatory parent meeting* each spring that will provide information as to course availability, deadline information, and mode of delivery.

The Institute of Higher Education grants credit when:

1. Course requirements are met, and
2. The student's final transcript is received showing the date of his/her high school graduation.

Note: Letter grades issued by the institution of higher learning will be translated into numerical grades in accordance with 19 TAC 75.191. Numerical grades earned in dual credit will become a part of the student's permanent high school record and will be included on the official academic achievement record

(transcript). It is imperative that the institution of higher learning website be checked for drop deadlines. Dropping a dual credit course in high school will not count as one of the six allowed college drops.

When planning to attend college, the student must request the transcript from the institute of higher education registrar be sent to the college they are planning to attend. Students are responsible for inquiring about the transferability of courses, scholarship implications, and admission status implications as they apply for future college enrollment.

Texas Virtual School Network

The Texas Virtual School Network (TxVSN) is a state-led initiative for online learning authorized by Education Code Chapter 30A. A student has the option, with certain limitations, to enroll in a course offered through the TxVSN to earn course credit for graduation. In limited circumstances, a student in grade 8 may also be eligible to enroll in a course through the TxVSN. Depending on the TxVSN course in which a student enrolls, the course may be subject to the "no pass, no play" rules. In addition, for a student who enrolls in a TxVSN course for which an end-of-course (EOC) assessment is required, the student must still take the corresponding EOC assessment and the requirements related to the incorporation of the EOC score into the student's final course grade and the implications of these assessments on graduation apply to the same extent as they apply to traditional classroom instruction.

Job Skill Training:

Gregory-Portland ISD works in partnership with area training centers to provide opportunities in several skilled crafts and industry related job training. These areas include construction, welding, electricity, plumbing, and more.

College Entrance Testing

College Entrance Testing:

Most colleges and universities require an entrance examination as a part of the college application process. There are two entrance examinations in predominant use at present. These are the Scholastic Aptitude Test (SAT) and the American College Test (ACT).

College entrance testing measures the kind of reasoning skills needed for college by assessing how students apply what they have learned in school. Colleges and universities use these scores as one of the many factors in admissions decisions. The most important factor is high school grades earned in challenging courses. The best preparation is for students to take challenging academic courses and to read and write widely.

It is the student's responsibility to determine which test is required by the college of choice. Registration information is available in the counselor's office. Students are *strongly* encouraged to take college entrance tests before the end of their junior year.

Plan ahead! Registration deadlines may be as much as 5 weeks prior to test dates!

DUAL CREDIT ASSESSMENT LEVELS CHART

	LEVEL 1 DEVELOPMENTAL	LEVEL 2 DEVELOPMENTAL	LEVEL 3 COLLEGE

READING

	(R1)	(R2)	(R3)
TSI Assessment	341 and Below	342-350	351+
ACT (Reading)	0-14	15-18	19+
SAT (Reading)	200-419	420-499	500+

WRITING AND ENGLISH

	(E1)	(E2)	(E3)
TSI Assessment	358 and Below Essay 0-3	359-362 Essay 0-3	363+ and Essay 4 or Essay 5 and above
ACT (English)	0-14	15-18	19+
SAT (Reading)	200-419	420-499	500+

MATHEMATICS

	(M0)	(M1)	(M2)	(M3)
TSI Assessment	335 and Below	336-345	346-349	350+
ACT (Mathematics)	0-12	13-15	16-19	20+
SAT (Mathematics)	200-310	311-459	460-499	500+

EXEMPTIONS FROM ALL OR SOME ASSESSMENT REQUIREMENTS

	Exempt from Reading and Writing	Exempt from Mathematics
ACT taken within 5 years from the testing date with composite of 23+	English 19+	Mathematics 19+
PSAT taken within 5 years from the testing date with total reading and math of 107+ (Only Juniors can use PSAT)	Reading 50+	Mathematics 50+
SAT taken within 5 years from the testing date with total reading and math of 1070+	Reading 500+	Mathematics 500+
STAAR (EOC) for Dual Credit	Level 2 ENGL 2 Reading & Writing Combined 4000+	Level 2 Algebra 1 – 4000+ and HS Algebra 2 (Passing Grade) or Level 2 Algebra 2 4000+

SAT

Students register online at collegeboard.org

The content of the SAT currently requires:

- *Writing:* Students will be asked to write an essay that requires them to take a position on an issue and use examples to support their position. Questions will be included to see how well students use standard written English.
- *Math:* The math section includes Algebra II topics, such as exponential growth, absolute value, and functional notation, and emphasizes other topics such as linear functions, manipulations with exponents, and properties of tangent lines.
- *Critical Reading:* The critical reading section includes shorter reading passages along with long reading passages. Sentence-completion questions are also included in this section.

2016-2017 SAT® and SAT Subject Test Dates (Anticipated)
Oct 8, 2016
Nov 5, 2016
Jan 28, 2017
Mar 4, 2017
Jun 3, 2017
Standard Fee: $52.50 / Change Fee: $28 / Late Fee: $28

**Students register online for the SAT @ collegeboard.org.*

ACT

Students register online at act.org

The content of the ACT currently requires:

- *English*: Measures standard written English and rhetorical skills.
- *Mathematics:* Measures mathematical skills students have typically acquired in courses taken up to the beginning of Grade 12.
- *Reading*: Measures reading comprehension.
- *Science:* Measures the interpretation, analysis, evaluation, reasoning, and problem-solving skills required in the natural sciences.

2016-2017 ACT Test Dates	
September 10, 2016	February 11, 2017
October 22, 2016	April 8, 2017
December 10, 2016	June 10, 2017
Standard Fee: $39.50 / Plus Writing: $56.50 / Change Fee: $24 / Late Fee: $25	

**Students register online for the ACT @ act.org.*

PSAT/NMSQT

In order to assist students in making college preparations, the Preliminary Scholastic Aptitude Test / National Merit Scholarship Qualifying Test is taken in October. In the junior year, the PSAT is the qualifying test for the National Merit Scholarship Program. Freshman and sophomore students may register for practice. Testing fee is $20.

2016-2017 PSAT/NMSQT Test Dates (Anticipated)
October 19, 2016
Standard Fee: $20

TSI: Texas Success Initiative

The purpose of the new TSI examination is to assess a student's academic ability in order to correctly identify the appropriate course sequence for students as they enter college. The TSI assessment will determine preparation level for the subjects of reading, math, and writing. Students are required to score at college readiness levels on the TSI in order to enroll in dual credit courses. All sophomore students will be given the opportunity to take the TSI free of charge in the fall semester. The TSI assessment will be administered at G-PHS on the following dates:

2016-2017 TSI Test Dates (see counselor for alternate dates)
Sophomore Class Test Date – to be determined
November 12, 2016
April 08, 2017
April 22, 2017
Standard Fee: $20.00 GPHS / Free for Sophomore Class Test

Making the Right Decisions

High School Academic Plans

Gregory-Portland Independent School District, parents, teachers and our community are heavily invested in the success of all G-PISD students. Whether a student's goal after graduating from high school is to go on to college, technical school, the military or begin a career, G-PISD will support students in creating a plan that helps them achieve that goal.

G-PISD encourages students to take ownership of their success in high school. **Career Cruising** is the online system G-PISD has chosen to assist students with high school course selection. All schedules will be reviewed by the campus guidance counselors. At times the situation will arise where a class is not offered during a semester due to interest or procedural change at the state level. Therefore, students may find an updated or slightly altered class schedule when they register in August for the new school year.

College and Career Readiness

Career and Technology Education courses allow students to use academic knowledge and problem solving skills while acquiring occupationally specific skills as part of their high school curriculum. As technology has enhanced access, variety, and exchange of information, completion of high school may not follow the traditional route to postsecondary institutions. The state of Texas implemented career and technology education as a means to expand and achieve competency-based learning. Various types of programs are offered: laboratory program classes, practicums, internships and a variety of courses centered on industry and technology.

Certificates and Licensures

Students have the opportunity to earn industry-recognized certifications and licensures, leading to either more specialized instruction in a given field, or a leap forward on the path to postsecondary education. Industry certifications are gaining importance in the business world as evidence of skill attainment. Earning a certificate gives students a sense of accomplishment, a highly valued professional credential, and helps make them more employable with higher starting salaries. Industry certifications have been aligned with the Career Pathways. The district strives to continue consultations with local business and industry to determine which certifications or licenses would be most sought after by area employees.

Endorsement Areas of Study

The Endorsement's approach in selection of high school courses of study for students brings associated courses and fields of career interest together. By choosing an endorsement to follow, students have the opportunity to explore areas of interest and gain a foundation in specific fields of study, assisting them in preparation for postsecondary opportunities.

General Course Descriptions

The following course descriptions are not an exhaustive list of courses offered at Gregory-Portland High School. The intent of this course description guide and the information contained within is to support students as they transition into the House Bill 5 graduation plan. If you would like to review all available courses electronically, the full Gregory-Portland High School Course Description Guide is available at http://gphs.sharpschool.net/ .

English Language Arts

In keeping with district-wide curriculum alignment, each grade level focuses on specific language skills. All English courses integrate language, literature, composition, vocabulary, and reading skills. The reading, writing, and speaking experiences in the English classroom help the student develop cultural awareness and personal awareness. Through oral and written communication, research and analysis of information, and problem solving, the student is prepared for the future. At each level, English teachers include preparation to ensure readiness for success on STAAR test as well as college-readiness.

English I

All levels of English I focus on universal themes in short stories, novels, drama and poetry. However, an extensive study of expository texts is also a major focus. Students will also learn fundamental literary devices that will be used in all English classes in high school. In composition they master writing thesis statements, organizing multi-paragraph papers, and writing in response to literature. They emphasize logical arguments with evidence. They are expected to correctly use the conventions and mechanics of written English. The goal for the year is to learn the skills necessary to master the STAAR Exam.

English I-1001 (Grade 9) (1 credit)

Grammar skills include the functions of phrases and clauses in sentences, pronoun and verb usage, and mechanical skills such as spelling and punctuation. Much emphasis is placed on writing single paragraphs followed by multiple-paragraph essays.

English I Pre-Advanced Placement-1020 (Grade 9) Weighted (1 credit)

Prerequisites: Highly recommended to have 8th grade intensive first

Pre-AP students read *above grade level* and have a strong grammar background. They *read extensively outside* the classroom with selections taken from the Pre-Advanced Placement program. They are required to do additional research. They prepare for later Advanced Placement weighted English classes using SAT vocabulary lists. ***Assignments include reading to be completed outside of class and summer reading assignments are required.*** This course is designed to challenge the student who has a strong interest and ability in the study of English and to prepare students for AP English III and AP English IV.

Recommendation: Intensive course enrollment in grade 8 or a 90+ average in 8th grade English/Reading classes.

ESOL I-1540 (1 credit)

Prerequisite: None

The English I for Speakers of Other Languages (ESOL I) Course is for students whose first language is other than English. The native language serves as the foundation for English language acquisition. Cognitive skills transfer from one language to another, and students literate in their first language will apply these skills and other academic proficiencies to the second language. High school students are expected to plan, draft, and complete written compositions on a regular basis. An emphasis is placed on organizing logical arguments with clearly expressed related definitions, theses, and evidence. Students will read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students interpret the possible influences of historical context on a literary work.

English II

All levels of English II present the concepts of point of view and the criteria for the structure of various genres in literature; students will achieve a deeper analysis and connection in their reading. Students learn the purpose of significant literary devices and the influence of historical context on literature. In grammar, they are expected to know and correctly use the conventions and mechanics of written English. In composition they focus on research skills and essay writing. The main goal for the year is to learn the skills necessary to master the STAAR Exam.

English II-1100 (Grade 10) (1 credit)

Prerequisites: English I

Students study world literature and learn the criteria for the structure of various genres. Students will be able to write multiple-paragraph essays in a variety of modes, to propose research questions and draw original conclusions, and to make effective oral presentations. Grammar skills include the functions of verbs and verbals, subject-verb agreement and use of verb modifiers and skills.

English II Pre-Advanced Placement-1120 (Grade 10) Weighted (1 credit)

Prerequisites: Highly recommended to have Pre-AP English I first

In this course students meet all requirements for tenth grade English; in addition, cultural literacy, SAT vocabulary, and analogy solving are emphasized. Students write a variety of multiple-paragraph essays and creative pieces. They must be capable of independent research; they must also be able to present information in a variety of formats including oral presentations and project development. *Assignments include reading to be completed outside of class and summer reading assignments are required.* This course is designed to challenge the student who has a strong interest and ability in the study of English and to prepare students for AP English III and AP English IV.

Recommendation: Pre-AP enrollment in English I or a 90+ average in English I.

ESOL II-1550 (1 credit)

Prerequisite: None

The English II for Speakers of Other Languages (ESOL II) Course is for students whose first language is other than English. The native language serves as the foundation for English language acquisition. Cognitive skills transfer from one language to another, and students literate in their first language will apply these skills and other academic proficiencies to the second language. High school students are expected to plan, draft, and complete written compositions on a regular basis. An emphasis is placed on persuasive forms of writing such as logical arguments, expressions of opinion, and personal forms of writing. Students will read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students interpret the possible influences of historical context on a literary work.

English III

English III-1200 (Grade 11) (1 credit)

Prerequisites: English I, II

Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their own papers for clarity, engaging language, and correct use of the conventions and mechanics of written English and produce final, error-free drafts. English III students read extensively in multiple genres from American literature and other world literature.

All English III classes study American fiction and nonfiction. Students examine the relationships of historical events and politics, and their influence on the literature on the literature of the time. Students evaluate expository/informational texts and analyze genre connections. The focus on powerful persuasion and writing for college and career helps the students to achieve success in the future. Students will research and analyzes sources, finding those that make a strong argument. They focus on writing analytical and research-based papers. Literary devices are used and analyzed effectively in different genres of literature. Students are expected to know and use the conventions of mechanics of written English.

English III Advanced Placement: Language and Composition-1220 (Grade 11) Weighted (1 credit)

Prerequisites: Must have at least one of the following: Pre-Advanced Placement English I and/or Pre-Advanced Placement English II

This course is designed for the *advanced student* who reads above grade level and has mastered the composition skills taught in lower grades. In English III AP, students learn and use advanced writing and rhetorical techniques. Students will research literacy topics and write error-free, M.L.A. documented papers. Students write literary essays to Advanced Placement literary prompts. Students learn and use advanced thinking skills. Students write a variety of expository, descriptive, narrative, and persuasive papers based on professional models. Students read classic American literature and philosophy. *Assignments include reading to be completed outside of class*

and summer reading assignments are required. Students are expected to take the AP exam in May and are required to remain in this course for the entire semester.

All English III classes study American fiction and nonfiction. Students examine the relationships of historical events and politics, and their influence on the literature on the literature of the time. Students evaluate expository/informational texts and analyze genre connections. The focus on powerful persuasion and writing for college and career helps the students to achieve success in the future. Students will research and analyzes sources, finding those that make a strong argument. They focus on writing analytical and research-based papers. Literary devices are used and analyzed effectively in different genres of literature. Students are expected to know and use the conventions of mechanics of written English.

English IV

All English IV classes study literature with emphasis on British and Western fiction and non-fiction. Guided by their teachers and texts, students examine the relationships of historical events and politics, to the evolution of idea of systems and literature from fifth century Athens to twenty-first century America. Also, students perfect their thinking skills by studying critical thinking and problem solving paradigms and applying them to recurring human problems as is evident in literature and in personal experiences. Students continue to refine their writing skills as demonstrated by error-free drafts in business, personal, research, and literary modes. They continue to improve their speaking skills as evidenced by oral presentations. The students produce and present videos.

English IV-1300 (Grade 12) (1 credit)

Prerequisites: Eng. I, Eng. II, Eng. III

This course focuses on literature and composition. Students study a variety of British novels, poetry, or plays. They read and analyze professionally-written reports and essays, and using them as models, they write, edit, and rewrite their compositions to produce error-free drafts. Students study and use advanced vocabulary for SAT and THEA preparation. They improve their writing skills by employing correct grammar, usage, and spelling. They use the decision-making process and learn a variety of persuasive devices to improve their thinking skills. Students will practice and perfect their speaking skills. Student produces and presents videos.

English IV Advanced Placement: Literature and Composition-1310 (Grade 12) Weighted (1 credit)

Prerequisites: Must have been in Advanced Placement English III

This course is recommended for the senior student seeking college credit by examination. It covers all content of English IV and stresses materials for advanced methods of literary analysis required in college literature classes. Successful students will be able to write a lucid essay in a timed writing situation on an unfamiliar piece of literature, and interpret it perceptively. Students will have a repertoire of novels and dramas from world literature as foundation for college course work. Students will perfect their speaking skills. Students will produce and present videos. *Assignments include reading to be completed outside of class and summer reading assignments*

are required. Students are expected to take the AP exam in May and are required to remain in this course for the entire semester.

**** In accordance with Section 28.014 of the Texas Education Code, each school district is required to partner with at least one institution of high education to develop and provide college preparatory courses in English language arts. This course will be available free of charge to students. Students may qualify for this course based on performance on coursework, a college entrance exam, or the TSI. Eligible students will be contacted by the counseling office and provided information on the benefits of enrollment.**

College Preparatory English Language Arts – (1 credit)

PEIMS# CP110100

This year-long course is designed to help prepare students for college-level courses. As such, students will learn to apply critical reading strategies for organizing, summarizing, analyzing, and evaluating college-level readings. Students will also learn to write effective, logical essays, utilizing textual support to develop reading comprehension strategies, and to analyze, synthesize, and make value judgements using critical thinking. Students must meet all syllabus requirements to receive credit. Credit recovery options are not permitted for this course.

Mathematics

Algebra I-2640 (Grade 9) (1 credit)

Prerequisites: None

The course goals are to develop preciseness of language and skills in algebraic manipulations, to develop reasoning, and to show uses and applications of algebra in problem solving, and to prepare students for the end of course exam.

Algebra I Pre-Advanced Placement-2650 (Grade 9) Weighted (1 credit)

Prerequisites: None

This course is designed for the very outstanding mathematics student. Course content will be presented at an accelerated rate with greater emphasis on solving word problems. This course is designed to challenge the student who has a strong interest and ability in the study of mathematics. Students will need a strong foundation in prior mathematics instruction. A minimum average of 85 in Pre-Algebra is recommended for students enrolling in this course.

Algebra II-2660 (Grade 9-12) (1 credit)

Prerequisite: Algebra I, Geometry

This course emphasizes a thorough understanding of the structure of algebra and development of competent skill levels in an algebraic operation. Main areas of study include the complex number system, coordinate geometry, relations and functions, and problem solving. This course prepares students for success in advanced math courses.

Algebra II Pre-Advanced Placement-2670 (Grade 9-12) Weighted (1 credit)

Prerequisites: Algebra I Pre-AP or Algebra I, and Geometry

Students will need a strong foundation in prior mathematics instruction. A minimum average of 75 in Algebra I Pre-AP, a minimum average of 85 in Algebra I, or a previous teacher recommendation are recommended for students enrolling in this course.

This course is designed for the very outstanding mathematics student. Materials will be presented at an accelerated rate with more emphasis on word problems. This course is designed to challenge the student who has a strong interest and ability in the study of mathematics.

Note: Algebra II & Geometry may be taken concurrently if student earned at least a 90 average in Algebra I.

Geometry-2680 (Grade 9-11) (1 credit)

Prerequisite: Algebra I

This course will enable students to develop a logical pattern of thinking with the use of geometric figures such as triangles, parallelograms, circles, prisms, cones and spheres. A good understanding of arithmetic and algebra are essential to the mastery of the concepts presented. This course prepares students for the end of course exam.

Geometry Pre-Advanced Placement-2690 (Grade 9-11) Weighted (1 credit)

Prerequisites: Algebra I Pre-AP or Algebra I

Students will need a strong foundation in prior mathematics instruction. A minimum average of 75 in Algebra I Pre-AP, a minimum average of 85 in Algebra I, or a previous teacher recommendation are recommended for students enrolling in this course.

This course is designed for the very outstanding mathematics student. Subject matter will be presented at an accelerated rate with more emphasis on problem solving and solid geometry. This course is designed to challenge the student who has a strong interest and ability in the study of mathematics.

Mathematical Models with Application-2720 (Grade 10-12) (1 credit)

This course may be taken concurrently with Geometry, but may not be taken during or after Algebra II to meet graduation requirements.

In this course students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability and statistics, and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations.

Advanced Quantitative Reasoning (AQR)-3040 (Grade 10-12) (1 credit)

Prerequisite: Geometry and Algebra II

AQR (Advanced Quantitative Reasoning) is a math course that follows Algebra II and fulfills the state requirement for a fourth year of math. It can be taken as an alternative to Precalculus or as an elective to accompany or follow Precalculus. It builds on, reinforces, and extends what students have learned in their prior math courses and covers a range of interesting topics—understanding credit, debt, and investments, statistics in the media, and managing data utilizing technology.

- AQR prepares you for a variety of future paths, either in college or the workplace.
- AQR gives you tools to deal with numerical information you see every day.
- AQR helps you maintain the math skills you have learned before to prepare you for placement tests or aptitude tests for college or the workplace.
- AQR meets the math requirement of the 4 by 4 recommended graduation plan.
- AQR lets you build on and use what you have learned to solve relevant problems.

Precalculus-2700 (Grade 10-12) (1 credit)

Prerequisites: Geometry and Algebra II

This course places an emphasis on the function concept, exploring and developing mathematical skills in the topics of trigonometry, advanced algebra, and analytic geometry. Students study a variety of mathematical concepts and analyze the relationships between them as well as further develop their problem-solving skills. This course is required for students who need to take calculus. This course is recommended for college bound students or students who will be pursuing a technical field or technical coursework.

Precalculus Pre-Advanced Placement-2710 (Grade 10-12) Weighted (1 credit)

Prerequisites: Geometry and Algebra II

Students will need a strong foundation in prior mathematics instruction. A minimum average of 75 in Algebra II Pre-AP or a minimum average of 85 in Algebra II are recommended for students enrolling in this course.

This course develops the central ideas, concepts, formulas, and problem solving techniques essential to understanding and progress in calculus. Emphasis is on the function concept as well as many important concepts in trigonometry, advanced algebra, and analytic geometry. This course is designed to challenge the student who has a strong interest and ability in the study of mathematics. This course is recommended for college bound students.

Calculus AB Advanced Placement-2750 (Grade 11-12) Weighted (1 credit)

Prerequisites: Precalculus Pre-Advanced Placement or Precalculus

Students will need a strong foundation in prior mathematics instruction. A minimum average of 75 in Precalculus Pre-AP, a minimum average of 85 in Precalculus, or a previous teacher recommendation are recommended for students enrolling in this course.

The major topics for Calculus AB are differential and integral calculus, including such topics as limits and continuity, derivatives of elementary functions, velocity and acceleration in linear motion, techniques of integration, area between curves, volumes of solids of known cross-section, and the fundamental theorem of calculus. Students are expected to take the AP exam in May and are required to remain in this course for the entire semester. This course is recommended for college bound students.

Calculus BC Advanced Placement-2780 (Grade 12) Weighted (1 credits)

Prerequisite: Successful completion of Advanced Placement Calculus AB **OR** Precalculus Pre-AP with a recommended minimum average of 95.

Calculus BC includes all Calculus AB topics PLUS L'Hopital's Rule, integration by parts, and Calculus involving parametric, polar, and vector functions; more applications of derivatives, more applications of integrals; more techniques of anti-differentiation; polynomial approximations and series. Students are expected to take the AP exam in May and are required to remain in this course for the entire semester. This course is recommended for college bound students.

Independent Study in Mathematics I-3000, Independent Study in Mathematics II-3010

(Grade 10-12) Weighted (1 credit each)

Prerequisite: **Independent Study in Mathematics I**-Geometry, Algebra II; and math teacher recommendation. Application/interview required prior to enrollment.

Independent Study in Mathematics in Mathematics II – Independent Study in Mathematics I and teacher approval

This course is designed to prepare students for mathematics competitions, including UIL Number Sense, Calculator Applications, and Mathematics. Students are required to learn to use HP RPN calculators. Emphasis is placed on number theory and problem solving. Extensive practice time outside of the classroom is required, as is attendance at UIL competitions on Saturdays throughout the year. Students who compete successfully may qualify for scholarships from TMSCA and/or UIL. Students must complete an application and receive approval of the Independent Studies teacher before being allow to enroll in the class.

Statistics Advanced Placement-2770 (Grade 11-12) Weighted (1 credit)

Prerequisites: Algebra II, or Algebra II Pre-AP is required, Precalculus is recommended

This course will introduce students to statistical concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will explore data making use of graphical and numerical

techniques to study patterns and departures from patterns. Using probability as a tool, students will anticipate and model data distribution to obtain statistical inferences and conclusions from data. Students may concurrently enroll in Precalculus or Precalculus Pre-AP and Statistics Advanced Placement. Students are expected to take the AP exam in May and are required to remain in this course for the entire semester. This course is recommended for college bound students.

**** In accordance with Section 28.014 of the Texas Education Code, each school district is required to partner with at least one institution of high education to develop and provide college preparatory courses in mathematics. This course will be available free of charge to students. Students may qualify for this course based on performance on coursework, a college entrance exam, or the TSI. Eligible students will be contacted by the counseling office and provided information on the benefits of enrollment.**

College Preparatory Mathematics - (1 credit)

PEIMS #CP111200

This course is designed to be a full-year course that prepares students for success in entry-level college courses and/or success on the Texas Success Initiative (TSI) Assessment. College Preparatory Mathematics is a rigorous course that will include student learning outcomes and objectives in the following areas: Elementary Algebra and Functions, Intermediate Algebra and Functions, Geometry and Measurement; and Data Analysis, Statistics, and Probability. Students must meet all syllabus requirements to receive credit. Credit recovery options are not permitted for this course.

Gregory- Portland High School

Suggested Math Course Sequencing –House Bill 5 Foundation Graduation Plans

The following course sequences are options for students who are graduating on the House Bill 5 Foundation Graduation Plans. This is not an exhaustive list, nor is this the only set of options available. Suggested post-secondary alternatives are linked to each course sequence to aid in decision-making, but are only guides for planning.

Option A	
This Option is for students who have taken Algebra I in Grade 8, and are planning to attend a 2 or 4-year university/college or technical school. This post-secondary focus will be a bachelor's degree or focus on a science, technology, engineering, or mathematics field (STEM).	Algebra I
	Geometry
	Algebra II
	PreCalculus
	Calculus or Statistics

Option B	
This option is for students who are planning to attend a 2 or 4-year university/college and have a non-STEM or Liberal Arts focus OR for students who did not take Algebra I in grade 8 and will be pursuing a bachelor's degree or career in a science, technology, engineering, or mathematics field (STEM).	Algebra I
	Geometry
	Algebra II
	PreCalculus or College Algebra*

*PreCalculus is suggested for greater success in College Algebra

Option C	
This option is for students who are planning to attend a 2 or 4-year university/college or technical school. Students in this option may require foundational math support post-secondary.	Algebra I
	Geometry
	Algebra II
	Advanced Quantitative Reasoning or College Algebra

Option D	
This option is for students who are planning to enter the workforce post-secondary, or attend a 2-year college or technical school. Students in this option who enter a 4-year university/college will require math support post-secondary.	Algebra I
	Math Models*
	Geometry
	Algebra II

*It may be suggested that students take Math Models and Geometry concurrently.

Science

Biology -3140 (Grade 9-11) (1 credit)

Prerequisites: None

This is a course designed for students with an average understanding of biology. Students enrolled in this course will study cell structure and function, mechanisms of genetics, biological evolution and classification, biological processes and systems, and interdependence within environmental systems.

Biology Pre-Advanced Placement-3150 (Grade 9-11) Weighted (1 credit)

Prerequisites: none

Students will need a strong foundation in prior science instruction. A minimum average of 80 in eighth grade science and passing the Science STAAR are recommended for students enrolling in this course.

First Semester: Cellular biology provides in-depth investigations of the structure and functions of cells, the replication of cells, and the concept of inheritance.

Second Semester: Plant and animal survey is designed to show the progressive complexity of organisms. Emphasis is on dissections of invertebrates and vertebrates.

This course is designed to challenge the student who has a strong interest and ability in the study of science.

Biology Advanced Placement –3170 (Grade 11-12) Weighted (1 credit)

AP Biology is an introductory college-level biology course. Students will cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, energy and communication, genetics, information transfer, ecology, and interactions. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Students who enroll in AP Biology are expected to take the AP Biology exam. The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. This class is designed for students who have taken both biology and chemistry. Students interested in pursuing a field in the biological sciences are encouraged to enroll in this class. Students who do well on the AP biology exam may qualify for college credit and be exempt from taking freshman-level biology courses.

Chemistry-3200 (Grade 10-12) (1 credit)

Prerequisites: Biology Pre-AP or Biology AND Algebra I or Algebra I Pre-AP AND completion or concurrent enrollment in a second unit of mathematics

This is a lab course that emphasizes a variety of topics that include: characteristics of matter, energy transformations during physical and chemical changes, atomic structure, periodic table of elements; behavior of gases, bonding; nuclear fusion and nuclear fission; oxidation-reduction; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions.

Chemistry Pre-Advanced Placement-3210 (Grade 10-12) Weighted (1 credit)

Prerequisites: Biology Pre-AP or Biology AND Algebra I or Pre-AP Algebra I

Students will need a strong foundation in prior science and math instruction. A minimum average of 85 in Algebra I or Algebra I Pre-AP is recommended for students enrolling in this course.

This course is designed to prepare students for the AP Chemistry course which is equivalent to college chemistry. Rigorous problem solving will be stressed; therefore students are required to have a strong background in Algebra. Topics to be covered include: characteristics of matter; atomic structure ; periodic table of elements; chemical bonding; mole concepts; chemical equation and reactions, stoichiometry; behavior of gases; properties of solutions; acids and bases; thermochemistry; and nuclear chemistry.

This course is designed to challenge the student who has a strong interest and ability in the study of science.

Chemistry Advanced Placement-3230 (Grade 11-12) Weighted (1 credit)

Prerequisites: Chemistry or Chemistry Pre-AP Algebra II or Algebra II Pre-AP (may be taken concurrently)

AP Chemistry is designed to be the equivalent of the general chemistry course and the laboratory course usually taken during the 1st college year. Students in this course should attain a depth of understanding of chemistry fundamentals and a reasonable competence in dealing with chemical problems. The course contributes to the development of the student's abilities to think clearly and express ideas, orally and in writing, with clarity and logic. For some, this course enables freshman students to undertake 2nd year work in the chemistry sequence at their college or to register in courses in other fields when general chemistry is a requirement. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. For those students planning to major in a medical field, it provides the basis for the chemistry/biology courses they will need. For engineering majors, it is the basis for many courses related to the study of materials. Thermodynamics, electricity, quantum mechanics, etc. Students are expected to take the AP exam in May and are required to remain in this course for the entire semester.

Integrated Physics & Chemistry-3120 (Grade 9-10) (1 credit)

NOTE: According to TEA, students on the Recommended High School Program must take a biology, chemistry, and a physics course. They may earn a fourth science credit in IPC, but if they take this course, the class must be successfully completed prior to taking chemistry and physics classes.

This is an introductory course preparing students for chemistry or physics courses. Subjects covered include chemistry and physics, which deal primarily with the properties of matter, chemical reactions, solution chemistry, forces and motion, effects of waves, and energy transformations.

Physics -3300 (Grade 10-12) (1 credit)

Prerequisites: Biology or Biology Pre-AP and IPC or Biology or Biology Pre-AP and Chemistry or Chemistry Pre-AP and Algebra I or Algebra I Pre-AP AND completion or concurrent enrollment in Geometry or Geometry Pre-AP

This course offers students the opportunity to gain an understanding of mechanics, fluids, thermodynamics electricity, and energy. Hands on methods are emphasized in this curriculum.

Conceptual Physics-3320 (Grade 10) (1 credit)

Prerequisites: Biology

This course offers students the concepts-before-computation approach to physics. Moreover, the course of instruction provides comprehensive content and a three-step learning cycle—Exploration, Concept Development and Application—that builds conceptual understanding and offers computational reinforcement. It gives students the opportunity to gain an understanding of mechanics, fluids, thermodynamics, electricity, and energy. Hands on methods are emphasized in this course and it is designed for students who are on the conceptual path in science.

Physics Pre-Advanced Placement-3310 (Grade 11-12) Weighted (1 credit)

Prerequisites: Chemistry and Precalculus

Students will need a strong foundation in prior science and math instruction. A minimum average of 90 in Algebra II or Algebra II Pre-AP is recommended for students enrolling in this course.

This course may be taken concurrently with Precalculus.

This course will emphasize the use of mathematics and problem solving skills in observing physical phenomena. The first semester will be devoted to the study of matter especially motion and force, the second semester will concentrate on the study of energy including sound, light, and electricity energy. The curriculum emphasizes the use of hands on methods in the development of physical principles. This course is designed to challenge the student who has a strong interest and ability in the study of science.

Physics C Advanced Placement-3330 (Grade 12) Weighted (1 credit)

Prerequisites: Precalculus or Precalculus Pre-AP and Physics or Physics Pre-AP

This course will provide a systematic introduction to the main principles of physics and will emphasize the development of problem solving- ability. It is assumed that the student is familiar with algebra and trigonometry and some theoretical developments may use basic concepts of calculus. For students with intent to major in life sciences, pre-medicine, and some applied sciences, AP Physics will serve as a one-year terminal course and upon successful completion of

the exam, will fulfill the physics requirement and will free time for courses. For students intending to major in the physical sciences or engineering, AP Physics will serve as foundation for more advanced physics course work. This is an excellent opportunity for those students majoring in medicine to take the AP exam to place out of college course; however, those students who plan to major in engineering will be advised to take engineering physics in college rather than placing out with the AP exam. Students are expected to take the AP exam in May and are required to remain in this course for the entire semester.

Earth and Space Science (ESS) – 3260 (Grade 11-12) (1 credit)

Prerequisites: Biology and Chemistry or Physics (May be taken concurrently)

Earth and Space Science (ESS) is a capstone course designed to build on a student's prior scientific knowledge and skills to understand the Earth's system in space and time. Students study a variety of topics that include: theories of the origin of the universe and the solar system, models of formation of Earth's atmosphere, hydrosphere, and geosphere, scientific dating methods of fossils and rock sequences, the composition of the Earth's interior, plate tectonics theory, and energy distribution in the Earth's subsystems. Students will appreciate the interaction of the components of the Earth's system in terms of both natural and human-influenced processes.

Anatomy and Physiology of Human Systems - 3360 (Grade 11-12) (1 credit)

Prerequisites: Biology and Chemistry or Physics (May be taken concurrently)

Anatomy and physiology is a class designed to give students an in-depth introduction to the anatomy and physiology of the human body. This class will provide students with an overall understanding of the structures, organs, and systems that make up the human body. Lab experiments will include fresh and preserved specimens. Students will take a comparative approach using various organs, and yes, even dissect cats. In investigations, students will be required to observe, record, interpret, and analyze scientific data in an organized problem solving method.

Aquatic Science - 3250 (Grade 11-12) (1 credit)

Prerequisites: Biology and Chemistry or Physics (May be taken concurrently)

Aquatic Science is a laboratory-based and field-based course that investigates the biodiversity of salt water and fresh water organisms, including their interactions with the physical and chemical environment. The special characteristics of aquatic resources will also be examined. This class encourages students to join in an exploration of the global and local aquatic world. Through field trips, classroom academic work, and field and laboratory research, and period periodic field trips, students will gain an understanding and appreciation of our oceans, lakes and rivers, and the creatures that inhabit them. The students will also assess the importance of legislation and policy making on the regulation of water.

Environmental Science Advanced Placement-3290 (Grade 11-12) Weighted (1 credit)

Prerequisites: 3 credits from: Biology and Chemistry or Physics. (Strongly recommended: At least one previous course should have been a Pre-AP Science)

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and/or preventing them. Students are expected to take the AP exam in May and are required to remain in this course for the entire semester.

Environmental Systems-3340 (Grade 11-12) (1 credit)

Prerequisites: Biology and Chemistry or Physics (May be taken concurrently)

This course is intended to investigate the environment through hands-on activities. The topics include: Interaction of biotic and abiotic earth systems; principles of ecology and natural systems; sources and flow of energy; and ecosystem structure, function and management.

Laboratory Management-3270 (Grade 12) (1 local credit)

Prerequisites: Three (3) Science Credits and Science Department approval.

This course provides advanced level and enrichment experiences in laboratory safety, investigative lab techniques and investigative design. Students must be able to communicate laboratory and safety directives and laboratory procedures in both oral and written form.

Social Studies

World Geography Studies-4100 (Grade 9) (1 credit)

Prerequisites: None

This course provides students the opportunity to study the interaction of people and cultures with their physical environments in the major areas of the world. Content of the course may include location of major land forms and features; effect and influence of climate, weather, and oceans on people and their environment; natural resources, population, and problems of urban growth.

World Geography Pre-Advanced Placement-4120 (Grade 9) Weighted (1 credit)

Prerequisites: None

In this course Pre-AP students will meet all requirements for World Geography. In addition, this course will stress research, independent study and writing. Students will be required to analyze case studies, current world situations and various geographical themes. Students will also be required to present information in a variety of formats. This course is designed to challenge the student who has a strong interest and ability in the study of social studies.

World History Studies-4110 (Grade 10) (1 credit)

Prerequisites: None

The first semester in this course is devoted to an extensive study of ancient civilizations including the rise of River Valley civilizations, the classical eras of the Eastern and Western world, the Middle Ages in Europe, the Islamic World and Africa, Asia in the Post-Classical Era and Beyond and the Renaissance and Reformation. The second semester will include an in depth and thorough study of the Americas Pre-Columbian Empires, the Old Regime: including Absolutism and Enlightenment, the Age of Democratic Revolution and the Industrial Revolution. This will lead into an extensive study of World War I and the Russian Revolution, the Great Depression, World War II, De-Colonization and the Cold War. The conclusion of the course will end with a look into challenges facing our world today

World History Pre-Advanced Placement-4130 (Grade 10) Weighted (1 credit)

Prerequisites: None

In this course Pre-AP World History students shall be exposed to the areas of study as those found in World History. This is an enriched course stressing research, independent study and thought. Successful students will develop a variety of skills necessary to arrive at conclusions based on relevant information and to present justification and evidence to clearly persuade in a variety of formats. This course is designed to challenge the student who has a strong interest and ability in the study of social studies.

United States History Studies Since Reconstruction-4210 (Grade 11) (1 credit)

Prerequisites: None

This course is a continuation of United States eighth grade history. The content covers significant political, economical, and social developments after the Civil War to the present time.

United States History Advanced Placement-4220 (Grade 11) Weighted (1 credit)

Prerequisites: None

This U.S. History Advanced Placement course is designed to meet the needs of the junior or senior student seeking to meet college U.S. History course requirements through passing the Advanced Placement Examination. This is an enriched course stressing independent study and research. It covers U.S. History from discovery to modern development. Successful students will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students are expected to take the AP exam in May and are required to remain in this course for the entire semester.

United States Government-1st semester-4371, 2nd semester-4372 (Grade 12) (.5 credit)

Prerequisites: World Geography, World History, & U. S. History

This course includes the study of the U. S. Constitution, national, state, and local structure as well as the political processes at each level. Emphasis is also placed on Texas law and the rights and responsibilities of citizenship. In this course, students will learn the following concepts in-depth:

- Branches of National government and the responsibilities of each
- Comparative government systems
- Governmental processes

Government Advanced Placement-1st semester-4373, 2nd semester-4374 (Grade 12) Weighted (.5 credit)

Prerequisites: World Geography, World History, U.S. History

This course is designed for the senior student seeking college credit through the AP exam. Emphasis is on development of critical thinking skills through the identification and study of various aspects of the United States Government and political system. Successful students will develop the necessary skills to arrive at conclusions on the basis of informed judgment and to present justification and evidence clearly and persuasively in various forms, especially essays, oral reports, and journals. *Extensive outside reading, writing, and research assignments are required.* Students are expected to take the AP exam in May and are required to remain in this course for the entire semester.

Economics-1st semester-4391, 2nd semester-4392 (Grade 12) (.5 credit)

Prerequisites: World Geography, World History, U.S. History

Over the course of a semester, Economics with Emphasis on the Free Enterprise System and Its Benefits is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. The focus I on the basic principles concerning production consumption, and distribution of goods and services (the problem of scarcity in the United States and the comparison with those in other countries around the world. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government and Business in a free enterprise (capitalist, free market) system.

Economics Advanced Placement-1st semester-4393, 2nd semester-4394 (Macro) (Grade 12) (.5 credit)

Prerequisites: World Geography, World History & U. S. History Studies

This course is designed for the senior student seeking college credit. This course is designed to aid in the understanding of economic concepts such as scarcity, opportunity costs, supply and demand, economic indicators and national economic accounting measures. Students will be expected to graph economic situations and analyze fiscal and monetary policies. This course is designed to aid students in preparation for the AP Macroeconomics exam. *Extensive outside*

reading, writing, and research assignments are required. Students are expected to take the AP exam in May and are required to remain in this course for the entire semester.

Psychology-4341 (Grade 11-12) (.5 credit)

Prerequisites: None

In Psychology, an elective singly semester course, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology, such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology.

Sociology-4352 (Grade 11-12) (.5 credit)

Prerequisites: None

Sociology, an elective single semester course, is an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

Anthropology-4231 (Grade 12) (.5 credit)

Prerequisites: None

An introduction to the four disciplines within general anthropology: physical anthropology including population genetics and evolution; linguistics focused on origin and evolution of language; archeology as it helps define the evolution of society; and cultural anthropology in which preliterate cultures and contemporary cultures are compared.

Cultural Anthropology-4232 (Grade 12) (.5 credit)

Prerequisites: None

A course encompassing the comparative study of human groups, their language, kinship, art, religion, economic, and political behavior from their earliest appearance to the present.

Current Topics and Issues in Social Studies - 4201 (Grade 10-12) Weighted (.5 credit)

Prerequisites: None

This course will be a development of an in-depth understanding of the forces (historical, cultural, political, and physical) that have shaped today's current events. It will investigate the impact of these events on today's countries (those involved directly, indirectly, or not at all). Students will determine best solutions to these issues that will create a stable future, and make predictions about where current issues will arise in coming years. Students will compare and contrast world opinions on current issues. This course is intended for students with a strong interest in Social Studies. This will be a rigorous course with complex topics discussed, and extensive requirements for reading, writing, and discussion. Grades for this course will be focused on research of primary

documents utilizing set questions, research journals utilizing set questions, debates in various styles, and multiple essays of five pages or more.

Special Topics in Social Studies - 4202 (Grade 10-12) Weighted (.5 credit)

Prerequisites: None

In this course, students will explore topics such as: The Bible as history, the expansion of the Nuclear Club, the place of revolution in the modern world, the American Presidency in modern times, and in-depth studies of conspiracy issues. Students will participate in dialogues on these issues and do original research. Projects, debates, and position papers will be the standard assessment. This course is intended for students with a strong interest in Social Studies. This will be a rigorous course with complex topics discussed, and extensive requirements for reading, writing, and discussion.

Humanities

Independent Studies Humanities - 1180 (Grade 10-12) Weighted (.5 to 1 credit)

Prerequisites: Admission to the Humanities is limited to students who apply and are accepted. See Mr. Schuetz for application. Humanities students are expected to prepare and participate in contests: TFA, UIL, NFC.

This course is designed for the student who would like to work on a daily basis to hone their skills in the academic UIL contests and in the competitive debate and speech events. Each student is expected to participate in competitive tournaments in debate, speech, and the UIL academic events. Research projects and the competitive Mock Trial contest may be prepped as well. Students will be given the opportunity to compete in the Forensic Association and The National Forensic League circuits and can earn entry to the national speech tournament.

Fine Arts

Art

Art I -7100 (Grade 9-12) (1 credit)

Prerequisites: None

This class covers various forms of basic Art through perception and expression based on historical and cultural heritage. Students will rely on their environment, familiar sensitivity, memory, spiritual values, imagination, and life experiences as a source for creating artwork. Students will express their thoughts and ideas creatively, while challenging their imagination. They will foster reflective thinking, and develop disciplined efforts, problem-solving, higher order and critical thinking skills.

Students will analyze artistic styles and historical periods and will develop respect for the traditions and contributions of diverse vultures. Students will respond and analyze artworks, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

Students will learn and employ the Elements and Principles of Art and Design. They will learn about Linear Perspective and use the space on a flat surface to give the illusion of three

dimensional structures. They will also learn about Color Theory and its uses. Students will demonstrate effectively the use of art media, tools and techniques in Design, Drawing, Painting, Printmaking, and Sculpture.

Students will open their mind and their eyes to the world of Art and will foster a new sensibility for aesthetics and will develop a critical eye for inner and outer beauty through artistic creativity.

Studio Fee: $15 for purchase of various materials for the creation of an extensive number of art works.

Drawing II-7120, Drawing III-7130, Drawing IV-7140 (Grade 9-12) (1 credit each)

Prerequisites: Art I and /or preceding level course

These courses are designed to address a very broad interpretation of drawing issues. For example, many types of painting, printmaking, fibers and studies of sculpture and architectural would qualify as addressing drawing issues based on purposeful decision-making about how to use the elements and principles of art in an integrative way. Students are asked to demonstrate proficiency in two-dimensional design using a variety of art forms. Emphasis is on portfolio proficiency for those students working toward Advanced Placement art credit in two dimensions. (Supplies– maximum $25.00)

Music

Band I-8300, Band II-8310, Band III-8320, Band IV-8330 (Grade 9-12) (1 credit each)

Prerequisite: Band I-Director Approval; Band II-Director Approval and Band I; Band III-Director Approval and Band II; Band IV-Director Approval and Band III

These courses are offered to the student with previous band experience. It is the performing organization in the school and includes the marching band, the honors band, the symphonic band, and the concert band.

The state allows three semesters of Fall band to count for three semesters of physical education. The Spring semester of band will count as a half credit of Fine Arts.

Instrumental Ensemble: Brass I-8240, Brass II-8250, Brass III-8260, Brass IV-8270 (Grade 9-12)

(1 credit each)

Prerequisite: Brass I-Director Approval; Brass II-Director Approval and Brass I; Brass III-Director Approval and Brass II; Brass IV-Director Approval and Brass III

These courses are offered to the student with previous brass experience. Concentration will be on the development of the individual student skills with experiences in small group participation and the development of knowledge of brass literature.

Instrumental Ensemble: Percussion I-8240, Percussion II-8250, Percussion III-8260,

Percussion IV-8270 (Grade 9-12) (1 credit each)

Prerequisite: Percussion I-Director Approval; Percussion II-Director Approval and Percussion I; Percussion III-Director Approval and Percussion II; Percussion IV-Director Approval and Percussion III

These courses are offered to the student with previous percussion experience. It concentrates on the development of the individual student skills with experience in small group participation and the development of knowledge of percussion literature.

Instrumental Ensemble: Woodwind I-8240, Woodwind II-8250, Woodwind III-8260,

Woodwind IV-8270 (Grade 9-12) (1 credit each)

Prerequisite: Woodwind I-Director Approval; Woodwind II-Director Approval and Woodwind I; Woodwind III-Director Approval and Woodwind II; Woodwind IV-Director Approval and Woodwind III

These courses are offered to the student with previous woodwind experience. Concentration is on the development of the individual student skills with experience in small group participation and the development of knowledge of woodwind literature.

Choral Music I, II, III, IV– Female - 8010, 8020, 8030, 8040 / Male – 8015, 8025, 8035, 8045 (Grade 9-12) (1 credit each)

Prerequisite: none

This is a beginning course in vocal development with emphasis on musical understanding and musical literacy through disciplined study and performance. Students are required to attend after-school and evening rehearsals as necessary to prepare for concerts and competitions and to satisfy performance TEKS. Fees include cost for selected uniform(s) for the year, and repair or replacement value of lost or damaged property, and uniform cleaning.

Advanced Choral Music I, II, III, IV – FEMALE: 8050, 8060, 8070, 8080 MALE: 8055, 8065, 8075, 8085 (Grade 9-12) (1 credit each)

Prerequisite: Director Approval

This is an intermediate to advanced course in vocal development with emphasis on musical understanding and musical literacy through disciplined study and performance. All students in this ensemble are required to compete in TMEA Choir Auditions and are required to attend after-school and evening rehearsals as necessary to prepare for concerts and competitions and to satisfy performance TEKS. Fees include cost for selected uniform(s) for the year, repair or replacement value of lost or damaged property, and uniform cleaning.

Choral Ensemble I, II, III, IV– 7350, 7360, 7370 (Grade 10-12) (1 credit each)

Prerequisite: Director Approval

All students in the Choral Ensemble are also required to be enrolled in Advanced Choral Music. This is an advanced choral ensemble in which the main goal is to develop advanced signing skills through both individual small group performances and competitions. All students in this ensemble are required to compete in TMEA Choir Auditions and UIL Solo & Ensemble competition. All students in this ensemble are required to attend after-school and evening rehearsals as necessary to prepare for concert and competitions and to satisfy performance TEKS. Fees include repair or replacement value of lost or damaged property, uniform cleaning, and cost for selected uniform(s) for the year.

Music Theory I-8600, Music Theory II-8610 (Grade 11-12) (l credit each)

Prerequisite: Director Approval

These courses are preparatory courses for college music majors and minors. The emphasis of the course in music theory will be on the mechanics of music and learning basics of composition and arranging.

Theater

Theater Arts I—8150 (Grade 9-12) (1 credit)

Prerequisites: none

This is an introductory **performance** course incorporating basic acting techniques, the role of the actor in interpreting dramatic literature, and the introduction of the theater student to competitive drama events such as UIL one act play, duet and duo acting, dramatic interpretation and humorous interpretation. **All** students in this class will act and learn how to interpret prose and poetry. The students will also be required to participate in the production of a one act play in the intramural one act play contest where they will either act or crew the show also gaining knowledge of technical theater. **Theater Arts I is the prerequisite for all other theater arts and technical theater classes.**

Theater Arts II-8160, Theater Arts III-8170, Theater Arts IV-8180 (Grade 10-12) (1 credit each)

Prerequisites: Theater Arts II-Theater Arts I; Theater Arts III-Theater Arts II; Theater Arts IV-Theater III

The primary aim of this advanced theater course is to develop advanced acting skills through performance. All students in advanced theater courses are required to compete in TFA, UIL, and NFL tournaments. Other activities of these students include a fall play or musical, Follies Production, and UIL one act play.

Technical Theater I-8100 (Grade 9-12) (1 credit each)

Prerequisites: Theater Arts I

The student enrolled in Technical Theater I is required to attend various types of live production (plays, concerts). After completing required course work, a student may work on school related production as a member of the backstage crew. This course is an introduction to stagecraft and its various elements. Areas of study include sound, lighting, make-up, and costumes, with the primary emphasis on scenic construction.

Technical Theater II-8110, Technical Theater III-8120, Technical Theater IV-8130 (Grade 10-12)

(1 credit each)

Prerequisites: Technical Theater II-Technical Theater I and Teacher Approval; Technical Theater III-Technical Theater II and Teacher Approval; Technical Theater IV-Technical Theater III and Teacher Approval

The student enrolled in an Advanced Technical Theater course is required to attend various types of live productions, work on a school related production as a crewmember, complete two major technical theater projects in one of the course areas of study. Areas of study include stage scenic design, stage lighting design, sound design, make-up/costume design and publicity. Students will be expected to crew productions in order to receive credit. Assessment is based on a practical application during class periods and after school work calls. *After school time is required.*

Theater Production I-8490, Theater Production II-8500, Theater Production III-8510 (Grade 10-12)

(.5-1 credit each)

Prerequisites: All Theater Production Courses-Technical Theater I, Cast/Crew Fall Show and/or U.I.L. One-Act Play or Teacher Approval. In addition, Theater Production II-Theatre Production I; Theater Production III-Theater Production II

This class will be offered to students who are in production after school or with teacher approval on production work during the day. In order to develop his/her acting skills and concepts, the student shall be provided opportunities to audition, rehears, and perform in public in either the fall or spring production. To develop their production skills and concepts, technical theater students will be provided opportunities to do research and design, work on technical crews for a production. Assessment is based on a practical application during class periods and after school work calls. *After school work is required.*

Health & Physical Education

Health Education-1st semester-5421, 2nd semester-5422 (Grade 9 - 12) (.5 credit)

Prerequisites: None

Health Education is a basic, one semester health course. The student will study the principles of good grooming, physical fitness, nutrition and weight control, mental health and behavior,

systems of the body, prevention and control of diseases, drug and alcohol abuse, tobacco use, First Aid and CPR. A unit of Self Responsibility focuses on Parenting and Paternity Awareness.

NOTE: 1 credit Health Science Technology I (See Career and Technical Education) will also fulfill the one-half credit Health Education requirement.

Foundations of Personal Fitness Level I-5100 (Grade 9-12) (.5 credit)

Prerequisite: None

This course is designed to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. Students will acquire the knowledge and skills for movement that provides the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle. This course is the required prerequisite for all other physical education courses.

Individual Sports-5130 (Grade 9-12) (.5 credit)

Prerequisite: Foundations of Personal Fitness

This course is designed to provide a wide range of individual lifetime sports. The objective of this course is to utilize individual sport activities to continue the development of health related fitness. The students will be expected to exhibit a level of competency in several individual sports such as badminton, golf, table tennis, track and field, weight-training, tennis, and aerobics.

Team Sports-5120 (Grade 9-12) (.5 credit)

Prerequisite: Foundations of Personal Fitness

This course is designed to provide a wide range of team sports to help develop health-related fitness and an appreciation for team work and fair play. Students will be expected to demonstrate competency using basic offensive and defensive skills of a sport while participating in a game such as basketball, softball, flag football, floor hockey, soccer, baseball, kickball, and volleyball.

Physical Education Equivalent (Grade 9-12) (.5-1 credit)

These athletic courses are offered with emphasis on conditioning, skill perfection, advanced technique and strategy. Before and/or after school attendance and U.I.L. participation are mandatory. Offerings include: football, boys' and girls' basketball, tennis, cross country, golf, girls' soccer, boys' soccer, swimming, baseball, girls' softball, volleyball, cheerleading, fall semester marching band, and state approved (2 hr.) Career and Technical courses.

Sports Medicine I – 5320 (Grade 9-12) (1 credit)

Prerequisites: None

This course focuses on the study and application of first aid/CPR/AED, organization and administrative considerations, prevention of injuries, recognition, evaluation, and immediate care of injuries, rehabilitation and management skills, taping and wrapping techniques, emergency procedures, nutrition, sports psychology, human anatomy, and physiology, therapeutic modalities, and therapeutic exercise.

Sports Medicine II –5325 (Grade 10-12) (1 credit)

Prerequisites: Sports Medicine I, apply to be a G-P Athletic Training Student, approval of licensed Athletic Trainer

This course is designed to be offered as a full year innovative course which includes classroom instruction and clinical application. This course will be a more in depth approach to specific injury evaluation, injury management, special tests, emergency procedures, etc.

Athletic Trainer – 5311, 5312, 5313, 5314 (Grade 9-12) (.5 to 1 local credit)

Prerequisites: Sports Medicine I

This course is designed to give students hands-on experience in the treatment and rehabilitation of athletic injuries. Fundamentals of kinesiology and biomechanics are taught. The course requires participation outside of the school days, working practices and contests. There are long hours and hard work involved, but the rewards are tremendous. Students must have a strong commitment and permission from the athletic trainer or athletic director to be enrolled in the class.

This credit can be a P.E. equivalent. See your counselor for details.

Cheerleading 1st semester-5531, 2nd semester-5532 (Grade 9)**. 1st semester-5533, 2nd semester-5534** (Grade 10). **5530** (Grade 11-12) (.5 to 1 credit)

Prerequisites: Qualifying for cheerleading squad

This course is required for students qualifying for the cheerleading squad. Students must remain eligible to participate.

NOTE: **The state allows <u>four credits</u> of physical education or equivalent to be counted toward state graduation requirements. Any additional credit earned in physical education is local credit. The state allows two semesters of Fall band, Fall Cheerleading, and JROTC to substitute as one (1) semester for physical education. The District shall not award state graduation credit for physical education for private or commercially sponsored physical activity programs conducted either on or off campus.**

Journalism

Journalism I-1660 (Grade 9-11) (.5 credit)

Prerequisites: None

This is an introductory course to newspaper and yearbook production. Students will receive basic instruction on news writing, feature writing, editorial writing, and headline writing. Students will also learn basic desktop publishing and photography skills.

Photojournalism-1600 (Grade 9-12) (.5 credit)

Prerequisite: None

Photojournalism stresses the use of images to tell a story. Units of study will include basic photography, digital photo preparation, caption writing and publication layout and design. Students will produce a variety of photo and layout projects.

Advanced Journalism: Yearbook Production I-1640 (Grade 10-12) (.5-1 credit)

Prerequisites: Journalism I, Photojournalism, or senior status with advisor approval

This course is for the production of the student memory book. Applicants must demonstrate a flair for creativity, an interest in student affairs, and the ability to work cooperatively with others. Extra time is required outside of class. Application required. Limited enrollment.

Advanced Journalism: Newspaper Production I-1610 (Grade 10-12) (.5-1 credit)

Prerequisites: Journalism I, Photojournalism or senior status with advisor approval

This course is for the production of the student newspaper. Applicants must demonstrate an interest in writing, news reporting, photography, and student affairs. Students must also have the ability to work cooperatively with others. This course requires time in addition to regular class time. Application required. Limited enrollment.

Advanced Journalism: Newspaper Production II-1620, Newspaper Production III-1630 (Grade 11-12)

(.5-1 credit each)

Prerequisites: Completion of Journalism I/Advanced Newspaper I, or senior statues with advisor approval

Students in these courses must be willing to accept the challenges of higher level thinking skills; leadership roles such as editor responsibilities and independent research; extensive writing; advanced graphics and design; and desktop publishing. Extensive time is required outside of class. Application required. Limited enrollment.

Advanced Journalism: Yearbook Production II-1650, Yearbook Production III-1670 (Grade 11, 12)

(.5-1 credit each)

Prerequisites: Completion of Journalism I/Advanced Yearbook Production I, or senior status with advisor approval

Students in these courses must be willing to accept the challenges or higher level thinking skills; leadership roles such as editor responsibilities and more independent research; extensive writing; advanced graphics and design; desktop publishing; and advanced photography techniques. Extensive time is required outside of class. Limited enrollment.

Independent Study in Journalism/Newsroom-1690 (Grade 12) (.5-1 credit)

Prerequisites: Senior Status with Adviser Approval

Newsroom is an advanced course that uses photography, publication layout and design, and journalism to produce digital and print publications for use as needed by high school and district staff. Examples of work produced include: photos documenting an event, brochures, public service announcements, photos for outside publication, etc. Students must be seniors and proficient in at least one of the following: manual photography and Adobe Photoshop; journalistic

style of writing (news writing); or publication layout and design and Adobe InDesign. Application required. Limited enrollment.

Languages Other Than English (LOTE)

German

German I-6410 (Grade 9-12) (1 credit)

Prerequisites: None

This is an academically demanding course for beginners. The students will learn the foundations of oral and written communication (listening, speaking, reading, writing), including essential aspects of grammar. They will acquire basic communication skills through an emphasis on oral proficiency and become familiar with the country's culture and geography as well as other German-speaking countries.

German II-6420 (Grade 10-12) (1 credit)

Prerequisites: German Level I

This is an academically demanding course in which students review and practice the concepts acquired in the first year. They will learn additional grammar concepts, increase their vocabulary and improve their communication skills through continued emphasis on oral proficiency. They will be introduced to the history and the literature, and gain an appreciation for the culture.

German II Pre-Advanced Placement-6430 (Grade 10-12) Weighted (1 credit)

Prerequisites: German Level I

This is an academically challenging college preparatory course in which students review, practice, and apply the concepts acquired in the first year. They will incorporate additional grammar and vocabulary concepts and improve their communication skills. They will also be introduced to the history and literature of the country and begin composing essays in the language. Cultural appreciation activities will be included. This course is designed to challenge the student who has a strong interest and ability in the study of German.

German III-6440 (Grade 11-12) (1 credit)

Prerequisites: German Levels I & II

This course extends language applications acquired in the second year. Students will review extensively and practice grammar, vocabulary, and communication skills. Emphasis is placed on role-playing and speaking in everyday situations. Students will also continue writing and reading literature in the language.

German III Pre-Advanced Placement-6450 (Grade 11-12) (1 credit)

Prerequisites: German Levels I & II Pre-AP

This course continues to develop language skills (reading, writing, listening, and speaking) that can be used in various activities and disciplines. It will stress understanding the written and spoken

language and responding in correct and idiomatic German. Extensive training in the organization and writing of compositions will be emphasized. Students will also read and discuss simple selections of original literature. This course is designed to challenge the student who has a strong interest and ability in the study of German.

Advanced Placement German IV - 6460 (Grade 12) Weighted (1 credit)

Prerequisites: German Level I, II & III (Recommended German II Pre AP and German III Pre AP)

This course is designed for students who wish to specialize in the language or in a related field. They will develop grammar and vocabulary through extensive practice in written communication. Students will read selections from novels and poetry in the original language and use them as a basis for oral and written literary critique. Students will utilize Internet resources to become familiar with contemporary culture and language in German-speaking countries.

Spanish

Spanish I-6110 (Grade 9-12) (1 credit)

Prerequisites: None

In this course students will:

- Learn the foundation for Spanish pronunciation and standard grammar.
- Engage in oral, aural, and written exchanges of learned materials
- Acquire basic vocabulary such as likes, dislikes, chores, sports, etc.
- Read short inserts from newspapers, magazines, etc.
- Learn the present tense of regular and irregular verbs
- Give commands to peers as well as to adults
- Compare the Spanish language and Hispanic culture to student's own language and culture

Students are expected to use as much Spanish in class as possible (a minimum of 40% is expected in Spanish I). Department recommends an 85% average or better for students who are planning on enrolling in Pre-AP Spanish classes.

Spanish II-6120 (Grade 9-12) (1 credit)

Prerequisites: Spanish Level I

In this course students will review and build on Spanish I concepts, and will continue to:

- Develop oral, aural, writing, reading skills
- Build up vocabulary repertoire
- Review present tense
- Learn how to communicate in the past and future tenses
- Review regular commands and add irregular commands
- Compare the Spanish language and Hispanic culture to student's own language and culture

Students are expected to use as much Spanish in class as possible (a minimum of 55% is expected in Spanish II). Department recommends an 85% average or better for students who are planning on enrolling in Pre-AP Spanish classes.

Spanish II Pre-Advanced Placement-6150 (Grade 9-12) Weighted (1 credit)

Prerequisites: Spanish Level I

This is an **academically challenging college preparatory course**. In this course students will review and build on Spanish I concepts, and will continue to:

- Develop oral, aural, writing, reading skills
- Build up vocabulary repertoire
- Review present tense
- Learn how to communicate in the past and future tenses
- Introduce the subjunctive
- Read selected prose works from Peninsular and American authors
- Compare the Spanish language and Hispanic culture to student's own language and culture

Students are expected to use as much Spanish in class as possible (a minimum of 85% is expected in Spanish II Pre-AP). Department recommends an 85% average or better for students who are planning on enrolling in Pre-AP Spanish classes.

Spanish III-6130 (Grade 10-12) (1 credit)

Prerequisites: Spanish Levels I & II, or to have performed satisfactorily on a Spanish Proficiency Test

This course extends language applications acquired in the second year. Students will review extensively and practice grammar, vocabulary, and communication skills. Emphasis is placed on role-playing and speaking in everyday situations using standard Spanish language. Student will expand his/her knowledge of writing and reading selected passages of literature in the target language.

Spanish III Pre-Advanced Placement-6140 (Grade 10-12) Weighted (1 credit)

Prerequisites: Spanish Levels I & II or to have performed satisfactorily on a Spanish Proficiency Test

This is an academically challenging college preparatory course in which students review, practice, and apply the concepts acquired in the first year. They will incorporate additional grammar and vocabulary concepts and improve their communication skills through continued application of more advanced techniques. They will also be introduced to the Spanish history and literature and begin composing essays in the target language. The second semester of this course will be conducted in Spanish 80% of the time. This course is designed to challenge the student who has a strong interest and ability in the study of Spanish.

Spanish IV Advanced Placement Language-6170 (Grade 12) Weighted (1 credit)

Prerequisites: Spanish Levels I, II & III. Recommended Spanish III Pre-Advanced Placement.

This course is a college level course which will be conducted 90% of the time in Spanish. Students will continue to develop language skills (reading, writing, listening, and speaking) that can be used in various activities and disciplines to further enhance the acquisition of Spanish. It will stress understanding the written and spoken language and responding in standard Spanish. Extensive training in the organization and writing of compositions will be emphasized. Students will also read and discuss selections of literature in the target language. Upon completion of this course, students are expected to take an Advanced Placement Exam and may receive up to 12 semester hours of college credit if his/her score meets college requirements.

Spanish Literature V Advanced Placement Literature-6180 (Grade 12) Weighted (1 credit)

Prerequisites: Spanish Level I, II & III

This course is a detailed study of various themes in Spanish literature from around the world. Students will practice, develop, and apply their language study from the previous course in reading, discussing, and writing about novels, drama, and poetry in the original language. Opportunities for extensive training in oral and written communication are available for students wishing to specialize in the language. Upon completion of this course, students are expected to take an Advanced Placement Exam and may receive up to 12 semester hours of college credit if his/her score meets college requirements.

Leadership

Peer Assistance and Leadership (PAL)-4340 (Grade 11-12) (1 credit)

Prerequisite: Application Process/teacher recommendations

The PAL course is a peer helping program in which students will be trained in a variety of helping skills which enables them to assist other students in having a more positive and productive school experience. Course applicants should have a strong interest in helping others. (See PALS instructor for application.)

Local Credit Electives

Office Aide-9999 (Grade 12) Local Credit Only (.5-1 local credit)

Prerequisites: Administrative Approval, passing all courses in previous semester, completion of all state testing requirements and 21 credits

This course is designed to provide the student with opportunities to learn concepts and skills related to successful employment, including; organizational skills, clerical skills, effective communication skills, and productive work habits and attitudes. Students may be assigned to the attendance office, or counselors' office. Students must prove capable of maintaining confidentiality of information records. Students will be expected to meet course objectives in

order to earn a numerical grade which will not be used in Grade Point Average computation. There are a limited number of clerical practice positions approved each year.

Nurse's Aide-9999 (Grade 11-12) Local Credit Only (.5-1 local credit)

The Nurse's Aide course is offered to junior and senior level students who have an interest in a career in the health field. Aides are responsible for keeping all first aid supplies containers clean and full. They will assist the nurse with temperature readings, making ice packs, filing of student records and emergency cards, making copies and other medical office duties as requested by the nurse. This course is available only to responsible students with satisfactory grades and passing scores on state assessments. Students will be expected to meet course objectives in order to earn a numerical grade which will not be used in Grade Point Average computation. *Nurse approval required on registration form.*

Special Education Courses

Applied English I, Applied English II, Applied English III, Applied English IV-See Counselors for Course Numbers

These language arts courses provide individualized instruction for students who have particular needs in the area of Reading and Writing. The courses focus on grade appropriate language arts studies in language/writing, literature/reading, and speaking/listening. Students will practice the application of both oral and written use of language as well as interpret and respond to relevant reading materials.

Applied Algebra I, Applied Geometry, Applied Algebra II, Applied Math IV- See Counselors for Course Numbers

These courses provide individualized instruction for students who have particular needs in the area of basic math skills. The courses reinforce a variety of practical, real life situations that facilitate the understanding of A curriculum designed to strengthen basic math skills is utilized along with appropriate grade level instruction of Algebra and Geometry.

Life Skills-Counselor will provide course number.

The Life Skills course is developed to integrate the domestic, recreation, leisure and community domains. Students investigate through activity-based sessions, a variety of activities associated with daily living experiences. Organizing a daily routine and schedule will serve the students in their process of taking charge of independent living. Students will study areas of: cooking, safety, leisure (including art and music), chores, duties, responsibilities, budget, time management, first aid and communication. Personal safety and responsibility will be examined in response for taking care of one's self, others and/or pets. Health care, transportation, telephone skills and appropriate recreation activities are addressed in the context of developing a full capacity living experience. Students will develop strategies to respond to potential emergencies that may appear in the process of daily living. Students will also explore the interactive relationship between the student and the community. Instruction in this area will focus on transportation, directionality, local landmarks, and accessing local establishment for goods, services and emergency assistance.

Students will experience job training within the community and the school environment by volunteering in various positions on campus, providing clerical services to staff and doing service projects for the school. Students will participate in field trips to local establishments that may include, but are not limited to the community library, various merchants, restaurants, movie heater, and bowling alley where they will develop skills to access services and leisure activities independently.

Vocational Experience-Counselor will provide course number.

The vocational experience program is developed in order to assist students in making a smooth transition from academic pursuits to employment. Students will examine the relationship between what is learned in the classroom and how these skills are applied on the job. Investigations are made in the areas of: job skills and interests; the application and interview process; understanding the job experience; quality employability skills; job performance evaluations; job training; employment policies; procedures, rights and responsibilities; positive, productive work experiences; work ethic and job attitudes; co-worker, supervisor and customer relationships; safety; decision making; fiscal responsibility; corrective feedback or criticism; and teamsmanship and collaboration. Learning to apply personal skills through successful employment will be reinforced. Self-initiative, follow through, and best efforts are skills applied in the process of a positive work experience.

Speech

Communication Applications-Fall semester-8421 or Spring semester-8422 (Grade 9-12) (.5 credit)

Prerequisite: None

Designed to teach the basic speaking skills needed both in the classroom and in later professional and social life, the development of self-confidence and poise in everyday speaking situations is the primary aim of this course. Students are urged to take this course during their 9th or 10th grade year in order to fully utilize acquired skills throughout their high school careers.

Communication Applications Plus/Public Speaking-Fall semester-8423, Spring semester-8424
(Grade 9-12) (.5-1 credit)

Prerequisite: None

This is a special course for students who want to obtain the required credit and compete in debate and speech events. In addition to regular communication applications, the student will learn cross examination debate, Lincoln-Douglas Debate, Public Forum, Extemporaneous Speaking, Student Congress, and Mock Trial. Students will be required to attend tournaments and can earn membership in the National Forensic League (an honor organization for competition students).

Public Speaking I-8710, Public Speaking II-8750, Public Speaking III-8760 (Grade 9-12) (.5-1 credit)

Prerequisites: Public Speaking I – None. Public Speaking II, III - Previous level

The ability to communicate effectively is key to success in life. Communication though speaking involves many facets. The student will learn how to present himself/herself physically to make

an impression. The physical aspect also involves dressing for success. The student will learn how to research for a variety of topics and speech formats and how to apply the information to a specific speech. The student will learn to use and apply logic. Most importantly, the student will be coached and given multiple opportunities to fine tune their skills at competitive tournaments. The student will be performing in Persuasive, Extemporaneous Speaking, Informative Extemporaneous Speaking, Domestic Extemporaneous Speaking, International Extemporaneous Speaking, Original Oration, Student Congress, as well as other formats as they occur. In addition to the educational benefits, the student will be able to advance to state and national tournaments which will open scholarship opportunities.

Note: Public Speaking alone does not meet Speech requirements for graduation.

Oral Interpretation I-8740, Oral Interpretation II-8750, Oral Interpretation III-8760 (Grade 9-12)

(.5-1 credit)

Prerequisites: Oral Interpretation I – None. Oral Interpretation II, III - Previous level

In this course students will study the oral reading or performance of literary text as a communication art. The student will have the opportunity to perform prose, poetry, and readers' theater material in competition. The course is designed to prepare students for U.I.L. prose and poetry interpretation contests.

Debate I, II, and III – TBD (Grade 9-12) (1 credit)

Prerequisite: None

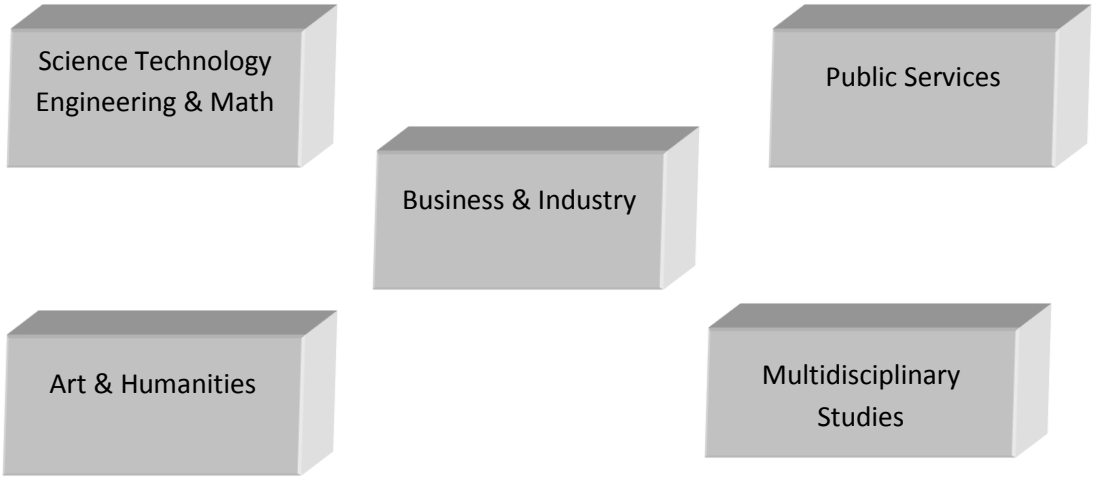
Debate offers the student an opportunity to learn and practice skills that they will be able to utilize for the rest of their lives. In debate, the student will research multiple topics and use this research to create cases on both sides of the resolution. The student will learn to use and apply logic. Most importantly, the student will be coached and will be given many chances to practice their skill set by debating at tournaments. In addition to the educational benefits, the student will be able to advance to state and national tournaments that will garner honors and open scholarship opportunities. Each student will learn Cross-Examination Debate, Lincoln-Douglas Debate, Public Forum Debate, and Congressional Debate.

Independent Study in Speech-8460 (Grade 12) (.5-1 credit)

Prerequisites: Debate II or III with a minimum grade of 80. Reading on Level. Teacher Approval

These courses are designed for students who want to use higher order thinking skills and develop oral presentation skills. The course will cover the content of the debate curriculum, but will exceed the regular course in depth of analysis, individual development of speaking skills, research skills, and thinking skills. Students should attend all tournaments the squad enters. Students who do not attend tournaments should expect to be removed at an appropriate time.

Endorsements



Career and Technology Education at Gregory-Portland High School

The Career and Technical Education (CTE) department provides quality programs for students at GPISD. The department offers course sequences in Agriculture, Food, and Natural Resources; Arts, A/V Technology and Communications; Business Management and Administration; Health Science; Hospitality and Tourism; Human Services; Information Technology; Law, Public Safety Corrections and Security; Transportation, Distribution, and Logistics that are aligned to the House Bill 5 Endorsement Areas.

The programs offered follow the AchieveTexas College and Career Initiative **-** an education initiative designed to prepare students for a lifetime of success. It allows students to achieve excellence by preparing them for secondary and postsecondary opportunities, career preparation and advancement, meaningful work, and active citizenship.

AchieveTexas is designed to help students (and their parents) make wise education choices. It is based on the belief that the curricula of the 21st century should combine *rigorous* academics with *relevant* career education. When schools integrate academic and technical education, students can see the "usefulness" of what they are learning. The system also facilitates a seamless transition from secondary to postsecondary opportunities.

Students are placed on a path or course sequence that will help them achieve their goals. Students should begin with a Principles course in their desired field.

Science Technology Engineering Math (STEM) Endorsement

Engineering		
Course	**Grade**	**Credit**
Concepts of Engineering Introduction to Engineering	11-12	.5
Engineering Graphics I	11-12	.5
Principles of Engineering Programming for Engineers	11-12	.5
Engineering Economics	11-12	.5

Concepts of Engineering

PEIMS # 13036200

Introduction to Engineering - ENGR 1201 (1st year fall semester, .5 credit)

An introduction to engineering as a discipline and a profession. Includes instruction in the application of mathematical and scientific principles to the solution of practical problems for the benefit of society. Assessment Levels: R3, E2, M2.

Engineering Graphics I - ENGR 1304 (1st year spring semester, .5 credit)

Methods of graphical communications, working drawings for design and production, data analysis, technical reports, computer graphics. Equal emphasis on computer-assisted design and traditional mechanical drafting techniques. Prerequisite: College Algebra

Principles of Engineering

PEIMS # 13037500

Prerequisites: College Algebra with a minimum grade of "B" and MATH Trigonometry with a minimum grade of "B". Assessment Levels: R3, E3, M3

Programming for Engineers - ENGR 2304 (2nd year fall semester, .5 credit)

An introduction to computer programming. Emphasis on the fundamentals of structured design, development, testing, implementation, and documentation. Also, includes coverage of MATLAB and C++ language syntax, data and file structures, input/output devices, and disks/files. Application include numerical computational techniques associated with the fields of science, engineering and statistics. Prerequisites: College Algebra with a minimum grade of "B" and MATH Trigonometry with a minimum grade of "B". Assessment Levels: R3, E3, M3.

Engineering Economics - ENGR 2308 (2nd year spring semester, .5 credit)

Methods used for determining the comparative financial desirability of engineering alternatives. Provides the student with the basic tools required to analyze engineering alternatives in terms of their worth and cost, an essential element of engineering practice. The student is introduced to the concept of the time value of money and the methodology of basic engineering economy techniques. The course will address some aspects of sustainability and will provide the student with the background to enable them to pass the Engineering Economy portion of the Fundamentals of Engineering exam. Prerequisite: Calculus I. Assessment Levels: R3, E3, M3.

Information Technology			
Web and Digital Media, Programming and Software Development	Web Developer, Multimedia Artist and Animator, Graphics Designer, Computer Programmer		
Course		**Grade**	**Credit**
Principles of Information Technology		9-12	.5
Digital and Interactive Media		9-12	.5
Business Information Management I		9-12	1
Web Technologies		10-12	1
Animation		10-12	1
Web Design *		10-12	1
Computer Programming (PreAP)		10-12	1
AP Computer Science *		10-12	1
Independent Study Computer Science *		12	1

* Technology Applications Course - not part of CTE coherent sequence

Information Technology

Principles of Information Technology - 7036 (Grade 9-10) (.5 credit)

Prerequisite: None

This course provides student with a wide variety of information technology skills. Career exploration, technology skills in the workplace, beginning web page design, and introductory flash animation. Utilize this class to determine your future interests in the Information Technology field.

Digital and Interactive Media - 7035 (Grade 9-12) (.5 credit)

Recommended Prerequisite: Principles of Information Technology

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects. The software used for design and creation are Photoshop, Windows MovieMaker, and other emerging applications. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society.

Web Technologies - 7045 (Grade 10-12) (1 credit)

Prerequisite: Principles of Information Technology

“Do you ever wonder how the internet really works? In Web Technologies you will explore the virtual “world of the “web”! You will learn what the World Wide Web really is, and the mystery behind how the internet actually works. Students are introduced to basic markup language which is the language that makes the web run, various navigational tools and services of the Internet.

We also learn about effective use of graphics, fonts, colors, navigation tools. Students will learn to use Dreamweaver, Flash, Photoshop and Illustrator. Topics include creating web pages, using internet protocols, search engines, file compression/decompression, FTP, email, and more! Upon completion, students should be able to deploy a website created with basic markup language, retrieve/decompress files, email, FTP, and utilize other internet tools."

Computer Programming I PreAP - 7040 (Grade 10-12) Weighted (1 credit)

Recommended Prerequisite: Principles of Information Technology

Want to learn how to write programs for the computer? What is computer programming? Basically your job will be to instruct the computer to do things. It consists of creating simple steps using the programming languages of C++ and JAVA to get the computer to perform specific tasks. These tasks will manipulate different types of objects such as numbers, words, and simple graphics. Use this introductory programming class as a foundation for many computer, mathematics and engineering related fields at the postsecondary level. It will enhance logical problem solving skills while creating programs to perform business, math, and science related tasks.

Computer Science Advanced Placement - 7060 (Grade 11-12) Weighted (1 credit)

Recommended Prerequisite: Computer Science I Pre-AP

Extend your knowledge of JAVA! Earn credit for college by taking the AP exam. This course will provide you with the knowledge and concepts needed to be successful in postsecondary majors that require analytical problem solving skills and sound programming abilities. Course content includes in-depth coverage of all basic programming techniques as well as object-oriented methods and common data structures for storing and manipulating data.

Animation - 8535 (Grade 10-12) (1 credit)

Prerequisite: Principles of Information Technology

Learn Adobe Flash to add animation, video, and interactivity to web pages. Utilize the techniques used in the animation industry including animating still images and text, and importing video. Work with the Toon Boom software widely used in the industry to produce cartoon animation.

Web Design - 7080 (Grade 10-12) (1 credit)

Prerequisite: Web Technologies

This course focuses on web design using XHTML and other authoring tools with emphasis on meeting current W3C standards. Students will also learn about important design concepts, form creation, basic scripting, and publishing. There will also be an introduction to web graphics and animation.

Business Information Management I - 7020 (Grade 9-12) (1 credit)

Recommended Prerequisite: Touch System Data Entry

Computer technology is everywhere today- Smart phones, Tablet PC's, laptops, desktops and the list goes on! Students will gain technical and business skills much needed in today's driven world. This course is designed to help students develop keyboarding skills and introduce you to some of the latest word processing, presentations, and spreadsheet applications. The class will focus on Microsoft Office applications. You will learn Word, Access, Excel, Desktop Publishing and PowerPoint. You will also have the opportunity to learn about the internet and the World Wide Web, as well as how to "build" your own webpage!

Independent Study in Technical Applications (Computer Science) - 8560 (Grade 12) (1 credit)

Prerequisite: Teacher Approval, Computer Programming I Pre AP, and Computer Science Advanced Placement

This course is for students who would like to broaden their IT skills by exploring and utilizing data structures that enhance data intensive programs. In addition, students enrolled in this class are expected to participate in UIL competitions on a regular basis.

Science, Technology, Engineering and Mathematics			
Electronics	Electrician		
Course		**Grade**	**Credit**
Electronics		DelMar	2
Advanced Electronics		DelMar	2

Electronics – 9681 (Grade 11-12) (First year, 2 high school credits)
PEIMS# 13036800
Fall semester is a study of the fundamentals of direct current including Ohm's law, Kirchhoff's laws, and circuit analysis techniques. Emphasis on circuit analysis of resistive networks and DC measurements. Spring semester is a study of the fundamentals of alternating current including series and parallel electricity in AC circuits; analyze AC circuits using appropriate mathematical formulas; troubleshoot various AC circuits using schematic diagrams; and apply and interpret basic principles of magnetism.

(6 Del Mar College credits: Fall CETT 1303 DC Circuits, Spring CETT 1305 AC Circuits)
Assessment Levels: R1, E1, M1

Advanced Electronics – 9685 (Grade 11-12) (Second year, 2 high school credits)
PEIMS# 13036900
Fall semester is an investigation of combinational and sequential logic elements and circuits with emphasis on design and troubleshooting of combinational and sequential circuits. Spring semester is study of diodes, transistor characteristics and other semiconductor devices, including analysis of static and dynamic characteristics, biasing techniques and thermal considerations.
Prerequisite: Electronics and Algebra II.

(7 Del Mar College credits: Fall CETT 1415 Digital Application; Spring CETT 1329 Solid State Devices)
Assessment Levels: R1, E1, M1
STRONG MATH AND GOOD READING COMPREHENSION SKILLS NECESSARY FOR ALL ELECTRONICS COURSES.

PLEASE NOTE: THE DEL MAR DUAL CREDIT CALENDARS MAY DIFFER FROM THE LOCAL HIGH SCHOOL CALENDAR.

Business and Industry Endorsement

Agriculture, Food & Natural Resources		
Animal Systems	Veterinarian, Veterinary Assistant, Veterinary Assistant, Zoo Keeper	
Course	**Grade**	**Credit**
Principles of Agriculture, Food and Natural Resources	9-12	.5
Equine Science	10-12	.5
Small Animal Management	10-12	.5
Wildlife, Fisheries, and Ecology Management	9-12	1
Anatomy and Physiology of Human Systems (Science Credit)	11-12	1
Advanced Animal Science	12	1

Agriculture, Food & Natural Resources		
Power, Structural and Technical Systems	Welder and Cutter, Agricultural Engineer, Welder-Fitter, Machine Operator, Inspector, Testers, Samplers	
Course	**Grade**	**Credit**
Principles of Agriculture, Food and Natural Resources	9-12	.5
Welding I Dual Credit Del Mar	11-12	2
Welding II Dual Credit Del Mar	11-12	2

Agriculture, Food & Natural Resources		
Plant Systems	Floral designer, Horticulturist, Greenhouse supervisor, Landscape Developer	
Course	**Grade**	**Credit**
Principles of Agriculture, Food and Natural Resources	9-12	.5
Landscape Design and Turf Grass Management	10-12	.5
Horticulture Science	10-12	.5
Advanced Plant and Soil Science	12	1

Principles of Agriculture Food and Natural Resources - **9141** (9-12) (½ credit)

Prerequisite: None

This course is must for students without an agriculture background, as it allows student to develop Knowledge and skills related to agriculture gaining knowledge about animals, soils, plants and leadership skills used in business.

Small Animal Management - 9115 (9-12) (½ credit)

Prerequisite: None

If you are looking to work with animals this is a good course to take. You will be learning about animal
systems as well as small animals such as , but not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

Equine Science - 9242 (10-12) (½ credit)

Prerequisite: None

If you want to learn about horses, donkeys, and mules this is the course for you. However you will be learning more than this. Students will acquire knowledge as it relates to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Wildlife, Fisheries, and Ecology Management - 9118 (9-12) (1 credit)

Prerequisite: None

If you would like to work out doors and help wildlife and ecology this course would help meet those goals. This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. To be prepared for careers in natural resource systems, student need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements and industry expectations.

Advanced Animal Science - 9116 (12) (1 credit)

Prerequisite: Minimum of one course in Ag cluster

Students who want to learn the scientific and technological aspect of animal science through laboratory experiences should select this course. These investigations will involve actively obtaining and analyzing data with physical equipment, but may also involve experimentation in a simulated environment as well as field observations that extend beyond the classroom.

Landscape Design and Turf Grass Management – 9210 (Grade 10-12) (.5 credit)

Prerequisite: None

This course would be useful in managing industry and home lawns a well as golf courses. You will need to develop an understanding of landscape and turf grasses management techniques and practices if this is the direction you are considering.

Horticulture Science - 9232 (Grade 10-12) (.5 credit)

Prerequisite: None

If you like learning about plants and working with your hands seeing fast results, this course should be considered. This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

Agricultural Mechanics and Metal Technologies - 9171 (10-12) (1 credit)

Prerequisite: Principles of Agriculture, Food, and Natural Resources

This class, over a period of a lifetime, could save you thousands I mean THOUSANDS OF $ THAT IS DOLLARS. Meaning this should be looked at very closely. Working with hands, fast results, pride in workmen ship, and much money saved. What are you waiting for? This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operations, electrical wiring, plumbing, carpentry, fencing concrete and metal working techniques.

Advanced Plant and Soil Science – 9160 (Grade 12) (1 credit)

Prerequisite: One credit from Agriculture, Food, and Natural Resources cluster

Learn about the natural world, how plant and soil science has influenced a vast body of knowledge with applications still to be discovered. Prepare for careers in the food and fiber industry.

Special Topics in Communications, General (Grade 10-12) (1 credit)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Assessment Levels: R1, E1, M1.

Welding I – 9260 (Grade 11-12) (2 credits)

This course includes the Introduction to Shielded Metal Arc Welding process and Introduction to Pipe Welding. Intro to Shielded Metal Arc: emphasis placed on power sources, electrode selection, oxy-fuel cutting and various joint designs. Intro to Pipe Welding: students will use the shielded metal arc welding process (SMAW), including electrode selection, equipment setup, and safe shop practices. Emphasis on weld positions IG and 2G using various electrodes. This is a dual credit course, and students must meet minimum acceptance requirements.

Welding II – 9270 (Grade 11-12) (2 credits)

Prerequisite: Welding I

This course includes Intermediate Shielded Metal Arc Welding and Advanced Shielded Metal Arc Welding. It will include a study of the production of various fillets and groove welds. Preparation specimens for testing in all positions. Advanced topics will be based on welding codes. Training provided with various electrodes in shielded metal arc welding processes with open V-groove

joints in all positions. This is a dual credit course, and students must meet minimum acceptance requirements.

Welding Safety, Tools, And Equipment (Grade 10-12) (.5 credit)

An introduction to welding careers, equipment and safety practices, including OSHA standards for industry. Assessment Levels: R1, E1, M1.

Industrial Mathematics (Grade 10-12) (.5 Local High School credit)

Math skills applicable to industrial occupations. Includes fraction and decimal manipulation, measurement, percentage, and problem solving techniques for equations and ratio/proportion applications. Assessment Levels: R1, E1, M1.

We are excited for you to have the opportunity to receive a certification in welding through Gregory-Portland High School in partnership with Del Mar College. There are a number of courses required to earn a certification. The credit requirement for the welding certification have changed from 24 credit hours to 27 credit hours. Courses will need to be completed during the school day and/or summer months. Students not completing all courses when offered, may still earn some high school credit, but will not be eligible for certification. We will work with you in order to make this possible. If you have any questions, please do not hesitate to call your child's counselor.

CERTIFICATE: WELDING APPLIED TECHNOLOGY
INTERMEDIATE WELDING
(Suggested Occupational Plan)

FIRST SEMESTER	Lec.	Lab	Sem. Hrs.	Clock Hours
WLDG 1428. Introduction to Shielded Metal Arc……	1	9	4	160
WLDG 1557. Intermediate SMAW……..	2	9	5	176
TECM 1301. Industrial Mathematics……	3	0	3	48
SECOND SEMESTER				
WLDG 1535. Introduction to Pipe Welding……..	2	9	5	176
WLDG 2443. Advanced Shielded Metal Arc Welding……..	1	9	4	160
COMG 1391. Special Topics in Communications, General...	3	0	3	48
Total Semester Hours for Certificate			24	

CERTIFICATE: INTERMEDIATE WELDING
(Suggested Occupational Plan)

FIRST SEMESTER	Lec.	Lab	Sem. Hrs.	Clock Hours
WLDG 1407 Introduction to Welding Using Multiple Processes	2	8	4	160
WLDG 1521. Welding Fundamentals	2	9	5	176
WLDG 1323. Welding Safety, Tools, and Equipment	3	1	3	64
TECM 1301. Industrial Mathematics	3	0	3	48
SECOND SEMESTER				
WLDG 1435. Introduction to Pipe Welding	2	8	4	160
WLDG 1557. Intermediate SMAW	2	9	5	176
COMG 1391. Special Topics in Communications, General	3	0	3	48
Total Semester Hours for Certificate			27	

Arts, A/V Technology and Communications	
A/V Technology, Film, Journalism, Broadcasting, Printing Technology	Videographer, Film Editor, Producer, TV Announcer, Graphic Designer, Desktop Publisher, Artist, Multimedia Artist, Animator

Course	**Grade**	**Credit**
Principles of Arts, A/V Technology and Communications	9-10	.5
Digital and Interactive Media	9-10	.5
Business Information Management I	9-12	1
Audio/Video Production	9-12	1
Computer Programming (PreAP)	10-12	1
Animation	10-12	1
Digital Video and Audio Design (2nd year students) *	10-12	1
Independent Study Technology Applications in Video Tech (3rd year students)	11-12	1
Practicum in Audio Video Production	12	2

**Technology Applications Course is not part of CTE coherent sequence.*

Arts, Audio/Video Technology, and Communications

Principles of Arts, Audio/Video Technology, and Communications - 8530 (Grade 9) (.5 credit)

Prerequisite: None

In this one-semester course, students will be introduced to the various and multifaceted career opportunities in the Arts, Audio/Video Technology, and Communications cluster and the knowledge, skills, and educational requirements for those opportunities. G-P's video program is a professionally-oriented Career Training set of instruction. The students who follow this course plan have been recognized on a national level. Video production is not only instructional and analytical, but also artistic.

Animation - 8535 (Grade 10-12) (1 credit)

Prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Learn Adobe Flash to add animation, video, and interactivity to web pages. Utilize the techniques used in the animation industry including animating still images and text, and importing video. Work with the Toon Boom software widely used in the industry to produce cartoon animation.

Audio/Video Production - 8580 (Grade 9-12) (1 credit)

Prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Almost every student has a video phone in their pocket. With that tool, a whole world of career opportunities is becoming available. Video production is probably the most universally known of all visual media and is an integral component of many technology applications. To further develop the technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities, as delivered by an industry professional with 15 years TV experience.

Digital Video & Audio Design / Audio/Visual Production Lab - **8550** (Grade 10-12) (1 credit)

(2nd year students with instructor approval)

Prerequisite: Audio/Video Production

This class is responsible for producing GPTV, the school's morning announcements. Students will learn video basics as well as participate in pre-production, production, and post production stages of video creation, distribution, and evaluation of the product. Students enrolled in this course will be computer literate and have experience with the basic electronic productivity tools. These students will also develop an appreciation for deadlines.

Advanced Audio/Visual Production and Lab– 8560 (Grade 11-12) (1 credit)

Prerequisite: Digital Video & Audio Design (3rd year students with instructor approval)

Independent Studies in Video Tech is for 3rd year video students who have completed both Audio/Video Production (first year students) and Video Tech (second year students/GPTV). These

students will primarily work as producers for video projects brought to the class by outside clients. They will be responsible for either performing or delegating all necessary work--preproduction, camera, audio, & editing. They will also be responsible for completing all of that work in a timely manner. Past projects have included Choir DVD's, theater documentaries, English class Shakespeare productions, and work for outside clients such as the San Patricio County Library System, Shattered dreams, and Christus Spohn Hospital.

Practicum in Audio Video Production – 8595 (Grade 12) (2 credits)

Prerequisite: Digital Video & Audio Design with instructor approval

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

Business Management and Administration		
Financial Management and Accounting	Accountant, Financial Officer, Bookkeeper, Billing Clerk	
Course	**Grade**	**Credit**
Principles of Business, Marketing and Finance	9-11	.5
Dollars and Sense	9-12	.5
Business Information Management I	9-12	1
Accounting I	10-12	1
Business Information Management II	11-12	1
Accounting II	11-12	1
Computer Programming (PreAP)	9-12	1
Practicum in Business Management	12	2

Business Management and Administration

Principles of Business, Marketing, and Finance - 7031 (Grade 9-11) (.5 credit)

Prerequisite: None

Do you want to major in Business in college? Which area? This introductory course will allow the student to explore various branches of the business world. Learn about marketing goods and services, advertising, and how global business impacts world economy. Analyze the sales process and explore financial management.

Business Information Management I - 7020 (Grade 9-12) (1 credit)

Recommended Prerequisite: Touch System Data Entry and Principles of Business, Marketing, and Finance

Managing Information - learn how to produce quality documents used in the business world to communicate, make projections and track progress. A must for all careers and post-secondary assignments. The class will focus on Microsoft Office applications. You will develop skills using Word, Access, Excel, Desktop Publishing and PowerPoint to enhance your business production experience.

Business Information Management II - 7030 (Grade 9-12) (1 credit)

Prerequisite: Business Information Management I

Learn the bells and whistles of Microsoft Office to support your performance in the workplace, society and postsecondary education. Produce sophisticated documents and presentations using this multimedia software package (Microsoft Office). Utilize this class to develop the skills necessary to meet business certification standards. Global certification such as IC^3 and MOS are beneficial when applying for business related positions.

Dollars and Sense - 7033 (Grade 9-12) (.5 credit)

Recommended Prerequisite: Principles of Human Services

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

Accounting I - 9770 (Grade 10-12) (1 credit)

Prerequisite: None

This is the introductory course for students interested in the field of accounting, "the language of business". It is the vehicle for reporting financial information about a business entity to many different groups of people. Learn the skills to record, classify, summarize, analyze and communicate accounting information both manually and with the use of accounting software. Utilize these skills in management decision making.

Accounting II - 9760 (Grade 11-12) (1 credit)

Prerequisite: Accounting I

Extend your knowledge of basic accounting and managerial decision making. Produce and analyze financial reports. Capture all of the details necessary to satisfy the needs of a business — managerial, financial reporting, projection, analysis, and tax reporting.

Computer Programming PreAP - 7040 (Grade 10-12) Weighted (1 credit)

Prerequisite: Principles of Information Technology or Principles of Business, Marketing, and Finance

Want to learn how to write programs for the computer? What is computer programming? Basically your job will be to instruct the computer to do things. It consists of creating simple steps using the programming languages of C++ and JAVA to get the computer to perform specific tasks. These tasks will manipulate different types of objects such as numbers, words, and simple graphics. Use this introductory programming class as a foundation for many computer, mathematics and engineering related fields at the postsecondary level. It will enhance logical problem solving skills while creating programs to perform business, math, and science related tasks.

Practicum in Business Management - 9819 (Grade 12) (2 credits)

Recommended Prerequisite: Business Information Management I and II

The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers.

Manufacturing			
Manufacturing Production Process Development	Petrochemical, refinery, and manufacturing process operators		
Course		**Grade**	**Credit**
Process Technology I – Dual Credit Del Mar		11-12	1
Process Technology II – Dual Credit Del Mar		12	1
Instrumentation I – Dual Credit Del Mar		11-12	2
Instrumentation II – Dual Credit Del Mar		11-12	2

Process Technology I - 9660

PTAC 1302. INTRODUCTION TO PROCESS TECHNOLOGY DUAL CREDIT

(1st year fall semester, .5 Credit)

Introduction to chemical and refinery plant operations. Topics include process technician duties, responsibilities and expectations; plant organizations; plant process and utility systems; and the physical and mental requirements of the process technician. Assessment Levels: R1, E1, M1.

PTAC 1308. SAFETY, HEALTH AND ENVIRONMENT I DUAL CREDIT

(1st year spring semester, .5 Credit)

Development of knowledge and skills to reinforce the attitudes and behaviors required for safe and environmentally sound work habits. Emphasis will be on safety health and environmental issues in the performance of all job tasks and regulatory compliance issues. Assessment Levels: R1, E1, M1.

Process Technology II - 9670

PTAC 1410. PROCESS TECHNOLOGY I: EQUIPMENT DUAL CREDIT

(2nd year fall semester, .5 Credit)

Instruction in the use of common process equipment. Prerequisite: PTAC 1302. Assessment Levels: R1, E1, M1.

PTAC 2348. SAFETY, HEALTH AND ENVIRONMENT II DUAL CREDIT

(2nd year spring semester, .5 Credit)

Continued instruction in the application of concepts presented in Safety, Health and Environment I. Emphasis on emergency response concepts. Prerequisite: PTAC 1308. Assessment Levels: R1, E1, M1

Instrumentation I

INTC 1341. PRINCIPLES OF AUTOMATIC CONTROL (2-3-3) 15.0404 (Fall 1st year)

(1 high school credit)

Grade Level 11-12

Basic measurements, automatic control systems and design, closed loop systems, controllers, feedback, control modes, and control configurations. Assessment Levels: R2, E2, M3.

CETT 1303 & 1305. DC-AC CIRCUITS (1-6-3) 15.1201 (Spring 1st year)

(1 high school credit)

Grade Level 11-12

Study of the fundamentals of direct current including Ohm's law, Kirchhoff's laws and circuit analysis techniques. Emphasis on circuit analysis of resistive networks and DC measurements. Assessment Levels: R1, E1, M1.

Instrumentation II

CETT 1415. DIGITAL APPLICATIONS (3-4-4) 15.1201(Fall 2nd year)

(1 high school credit)

Grade Level 11-12

Investigation of combinational and sequential logic elements and circuits with emphasis on design and troubleshooting of combinational and sequential circuits. Assessment Levels: R1, E1, M2

CETT 1329. Solid State Devices (1-6-3) 15.1201 (Spring 2nd year)

(1 high school credit)

Grade Level 11-12

Study of diodes, transistor characteristics and other semiconductors devices, including analysis of static and dynamic characteristics, biasing techniques and thermal considerations. Prerequisite: CETT 1305. R1, E1, M2.

NOTE: Instrumentation Courses require transportation to Ingleside HS.

Transportation, Distribution and Logistics			
Facility and Mobile Equipment Maintenance	Automotive Service Technician		
Course		**Grade**	**Credit**
Automotive Technology		DelMar	2
Advanced Automotive Technology		DelMar	2

Automotive Technology - 9000 (Grade 11-12, 2 high school credits, 3 periods)
PEIMS# 13039600

Introduction to automotive industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, professional responsibilities and basic automotive maintenance. Second semester is overview of automotive electrical systems including topics in operational theory, testing, diagnosis, repair of charging and starting systems, and electrical accessories. Emphasis on electrical principles schematic diagrams and service manuals.

(8 Del Mar College credits: Fall AUMT 1405 Intro to Auto Tech; Spring AUMT 1407 Auto Electrical Systems)
Assessment Levels: R1, E1, M1

Advanced Automotive Technology - 9010 (Grade 12, 3 high school credits, 3 periods)
PEIMS# 13039700

Operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis, and repair of power, manual, anti-lock brake systems and parking brakes. Second semester is diagnosis and repair of automotive suspension and steering systems including electronically controlled systems. Includes component repair, alignment procedures, and tire and wheel service. In addition, a study of human and customer relations, and customer satisfaction in the automotive service industry. Emphasis on management and building relationships between the service department and the manager.

Prerequisite: Automotive Technician I.

(10 Del Mar College credits: Fall AUMT 1410 Auto Brake Systems; Spring AUMT 1316 Automotive Suspension and Steering Systems; AND AUMT 2301 Automotive Management)
Assessment Levels: R1, E1, M1

STRONG MATH AND GOOD READING COMPREHENSION SKILLS NECESSARY

Public Services Endorsement

Health Science Technology			
Therapeutic Services	Nurse, Physical Therapist, Physician, EMT		
Course		**Grade**	**Credit**
Health Science: Medical Terminology/Medical Law and Ethics		11 - 12	.5
Electrocardiography/Health Unit Coordinator		11 - 12	.5
Practicum of Health Science: Phlebotomy and Clinical		12	1
Nurse Aide for Health Care and Clinical		12	1
Practicum for Emergency Medical Technician		Del Mar	2
Medical Terminology Dual Credit		11=12	.5

Health Science Technology

Health Science – 9620 (Grade 11-12)

PEIMS# 13020400

Medical Terminology and Medical Law and Ethics (First Year Fall, .5 credit)

Study of word origin and structure through the introduction of prefixes, suffixes, root words, plurals, abbreviations and symbols, surgical procedures, medical specialties, and diagnostic procedures.

Principles, procedures, and regulations governing the legal and ethical relationships among physicians, patients, and health care professionals. Includes ethical issues related to the various healthcare professions and patient confidentiality.

Electrocardiography and Health Unit Coordinator (First Year Spring, .5 credit)

Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. Fundamentals of cardiovascular anatomy and physiology are covered.

Practicum of Health Science – 9610 (Grade 12)

PEIMS# 13020500

Phlebotomy and Clinical (Second Year Fall, 2 periods, 1 credit)

Skill development in the performance of a variety of blood collection methods using proper techniques and standard precautions. Includes vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture and specimen collection on adults, children, and infants. Emphasis on infection prevention, patient identification, specimen labeling, quality

assurance, specimen handling, processing, accessioning, professionalism, ethics, and medical terminology. The clinical portion of this course will include a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision provided by the clinical professional.

Nurse Aide for Health Care and Clinical (Second Year Spring, 2 periods, 1 credit)

Preparation for entry level nursing assistants to achieve a level of knowledge, skills, and abilities essential to provide basic care to residents of long-term care facilities. Topics include resident's rights, communication, safety, observation, reporting and assisting residents in maintaining basic comfort and safety. Emphasis on effective interaction with members of the health care team. The clinical portion of this course will be a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. *Students will be responsible for additional supplies and materials required by the instructor.

Medical Terminology Dual Credit - 9625 (Fall semester course, .5 credit)
PEIMS #13020300

Required for Emergency Medical Services Professions courses. Study of common medical terminology, word origin, structure and application.

(2 Del Mar College credits: HPRS 1206 Essentials of Medical Terminology)
Assessment Levels: R2, E2, M1

Practicum in Health Science for Emergency Medical Technician – Basic - 8920
(Grade 11 – 12) (2 credits, spring semester course. 3 periods)
PEIMS#13020500

Preparation for certification as an Emergency Medical Technician (EMT)-Basic. Includes all the skills necessary to provide emergency medical care at a basic life support level with an emergency service or other specialized services. Also includes a basic type of health professions work-based instruction that helps students synthesize new knowledge, apply previous knowledge, or gain experience managing the workflow. Practical experience is simultaneously related to theory. Close and/or direct supervision is provided by the clinical professional (faculty or preceptor), generally in a clinical setting. Clinical education is an unpaid learning experience, and required clinical time is in addition to class time. Students are required to purchase uniforms and equipment and must meet JCAHO requirements. (See EMS section in Del Mar College catalog)

(6 Del Mar College credits: EMSP 1501 Emergency Medical Technician – Basic, EMSP 2160 Clinical)
Assessment Levels: R2, E2, M1

The Texas Department of State Health Services may not allow persons to test to receive certification or licensure if they have been convicted of certain crimes above the level of a Class "C" misdemeanor. Driving While Intoxicated (DWI) or Driving Under the Influence (DUI) arrests or convictions may preclude the candidate from certification, no matter the level of arrest or conviction. Students who have convictions of this nature should contact the program director prior to enrollment.

Hospitality and Tourism			
Restaurants and Food/Beverage Services	Chef, Cook, Baker		
Course		**Grade**	**Credit**
Principles of Human Services		9-12	.5
Dollars and Sense		9-12	.5
Lifetime Nutrition and Wellness		10-12	1
Restaurant Management		DelMar	1
Culinary Arts		DelMar	2
Hospitality Services		DelMar	1

Hospitality and Tourism

Restaurant Management - 8955 (1 high school credit, 2 Periods)
PEIMS# 13022400

A study of personal cleanliness; sanitary practices in food preparation; causes, investigation, control of illness caused by food contamination (Hazard Analysis Critical Control Points); and workplace safety standards. National Exam will be administered at course completion. ServSafe Certification is possible with passing score.

Student will be financially responsible for uniform and miscellaneous personal supplies and fees.

(3 Del Mar College credits: Fall course CHEF1305 Sanitation & Safety)
Assessment Levels: R2, E2, M1

Culinary Arts - 8950 (2 high school credits)

PEIMS# 13022600

In the fall, study of the fundamental principles of food preparation and cookery to include Brigade System, cooking techniques, material handling, heat transfer, sanitation, safety, nutrition and professionalism. In the spring, fundamentals of baking including dough, quick breads, pies, cakes, cookies, tarts, doughnuts. Instruction in flours, fillings, ingredients. Topics include baking terminology, tool and equipment use, formula conversions, functions of ingredients and the evaluation of baked products.

Student will be financially responsible for uniform and miscellaneous personal supplies and fees.

(6 Del Mar College credits: Fall CHEF1301 Basic Food Preparation, Spring PSTR 1301 Fundamentals of Baking) Assessment Levels R1, E1, M1

Hospitality Services - 8940 (1 high school credit, 2 periods)
PEIMS# 13022800

Fundamentals of recruiting, selection, and training of food service and hospitality personnel. Topics include job descriptions, schedules, work improvement, motivation, and applicable personnel laws and regulations. Emphasis on leadership development.

Student will be financially responsible for uniform and miscellaneous personal supplies and fees.

(3 Del Mar College credits: Spring RSTO 1313 Hospitality Supervision)
Assessment Levels R2, E2, M1

Chef 1305 and CHEF 1301 are taken concurrently in the fall and are prerequisite for PSTR 1301 and RSTO 1313 which are taken concurrently in the spring.

GOOD READING COMPREHENSION & BASIC MATH SKILLS NECESSARY FOR FOODS COURSES.

Human Services			
Early Childhood Development or Family and Community Services	Preschool Teacher, Child Care Worker, Teacher Assistant, Nutritionist, Dietitian and Social Service Worker		
Course		**Grade**	**Credit**
Principles of Human Services		9-12	.5
Dollars and Sense		9-12	.5
Child Development		10-12	1
Lifetime Nutrition and Wellness		10-12	1

Human Services			
Personal Care Services	Cosmetologist, Hairdresser, Manicurist		
Course		**Grade**	**Credit**
Principles of Human Services		9-12	.5
Dollars and Sense		9-12	.5
Cosmetology I		DelMar	2
Cosmetology II		DelMar	2

Human Services

Principles of Human Services - 9203 (9-12) (.5 credit)

Prerequisite: 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. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

Dollars and Sense - 7033 (10-12) (.5 credit)

Recommended Prerequisite: Principles of Human Services

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

Interior Design - 9151 (10-12) (1 credit)

Recommended Prerequisite: Principles of Human Services

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

Interpersonal Studies - 9204 (10-12) (.5 credit)

Recommended Prerequisite: Principles of Human Services

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

Lifetime Nutrition and Wellness - 9201 (10-12) (1 credit)

Recommended Prerequisite: Principles of Human Services

Preparing food for a healthy way of living is a growing trend in our society. Utilize the skills learned in this class as you prepare foods in a lab setting. This course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.

Child Development - 9122 (10-12) (1 credit)

Recommended Prerequisite: Principles of Human Services

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

Cosmetology 1 (9020) (Grade 10-11) (2 high school credits, 3 periods)
PEIMS# 13025200

An introduction to the field of cosmetology, including Texas Department of Licensing and Regulation cosmetology statutes and rules. Fall semester is a course in the basic fundamentals of cosmetology. Topics include safety and sanitation, service preparation, manicure, facial, chemical services, shampoo, haircut, wet styling, and comb out. Spring semester continues with presentation of the theory and practice of nail services. Topics include terminology, application, and workplace competencies in nail services.

Student will be financially responsible for uniform, state license fee, and miscellaneous personal supplies.

(8 Del Mar College credits: Fall CSME 1405 Fundamentals of Cosmetology, Spring CSME 1443 Manicuring and Related Theory) Assessment Levels R1 E1 M1

Cosmetology 2* (9050) (Grade 11-12) (2 high school credits, 3 periods)
PEIMS# 13025300

Fall begins with introduction to the theory and practice of haircutting. Topics include terminology, implements, sectioning, and finishing techniques. The spring semester begins with an overview of the procedures and operations as related to salon management. Develop procedures for appointment scheduling and record management; identify issues related to inventory control and operational management. Theory and practice of skin care is introduced, identifying the terminology related to skin treatments, demonstrating the proper application and exhibiting workplace competencies in skin care.

Prerequisite: Cosmetology 1.

(7 Del Mar College credits: Fall CSME 1310 Introduction to Haircutting and Related Theory, Spring CSME 1244 Introduction to Salon Development & CSME 1248 Principles of Skin Care) Assessment Levels R1 E1 M1

UPON SUCCESSFUL COMPLETION OF Cosmetology 1 and 2 the student can continue with the intermediate and then advanced levels in the College program.

GOOD READING COMPREHENSION SKILLS NECESSARY FOR COSMETOLOGY COURSES

Law, Public Safety, Corrections, and Security			
Law Enforcement Services	Police Officer, Sheriff, Highway patrol Officer		
Course		**Grade**	**Credit**
Law Enforcement I		DelMar	1
Principles of Law, Public Safety, Corrections and Security		DelMar	1
Law Enforcement II		DelMar	1
Court Systems and Practices		DelMar	1

Law Enforcement I – 9381 (Grade 11-12) (1 high school credit, 1st year fall semester course, 2 periods)
PEIMS# 13029300

History, philosophy and ethical considerations of criminal justice; the nature and impact of crime; and an overview of the criminal justice system, including law enforcement and court procedures.
(3 Del Mar College credits: CRIJ 1301 Intro to Criminal Justice)
Assessment Levels: R3, E3, M1

Principles of Law, Public Safety, Corrections and Security - 9383 (Grade 11-12)
(1 high school credit, 1st year spring semester course, 2 periods)
PEIMS# 13029200

A study of the nature of criminal law; philosophical and historical development; major definitions and concepts; classification of crime; elements of crimes and penalties using Texas statutes as illustrations; criminal responsibility.
(3 Del Mar College credits: CRIJ 1310 Fund of Criminal Law)
Assessment Levels: R3, E3, M1

Law Enforcement II - 9384 (Grade 11-12)
(1 high school credit, 2nd year spring semester course, 2 periods)
PEIMS# 13029400

Police profession; organization of law enforcement systems; police role; police discretion; ethics; police-community interaction; current and future issues.

Prerequisite: Law Enforcement I
(3 Del Mar College credits: CRIJ2328 Police Systems & Practices)
Assessment Levels: R3, E3, M1
When not enough high school students enroll to make dual credit pure criminal justice classes, students have option to enroll in online or regular college criminal justice classes instead.

Court Systems and Practices – 9382 (Grade 11-12)
(1 high school credit, 2nd year fall semester course, 2 periods)
PEIMS# 13029600

Study of the judiciary in the American criminal justice system and the adjudication processes and procedures.
Prerequisite: Law Enforcement I
(3 Del Mar College credits: CRIJ 1306 Court Systems and Practices)
Assessment Levels: R3, E3, M1

Law, Public Safety, Corrections, and Security			
Fire Science	Firefighter		
Course		**Grade**	**Credit**
Principles of Law, Public Safety, Corrections and Security		DelMar	1
Firefighter I		DelMar	2
Firefighter II		DelMar	2

For all individuals who are interested in a career as a fire fighter, this program prepares the student to take the Basic Fire Fighter examination with the Texas Commission on Fire Protection.

One must take the series of courses concurrently to satisfy the TCFP curriculum for Basic Structural Fire Suppression, Course #100.***These courses may be offered only by institutions licensed as a fire academy by the TCFP*** Good physical condition, clean criminal history, and a medical physical are required prior to admittance to the program. Student will be financially responsible for uniform and rental of firefighting equipment.

Firefighter I - 8990 **(**Grade 11-12) (2 high school credits)
PEIMS#13029900

First four of the courses in the series in basic preparation for a new firefighter to satisfy the TCFP curriculum for Basic Structural Fire Suppression, Course #100.

(Fall semester 7 Del Mar College credits: FIRS 1301 Firefighter Certification I and FIRS 1407 Firefighter Certification II and spring semester 7 Del Mar College credits: FIRS 1413 Firefighter Certification III and FIRS 1319 Firefighter Certification IV)
Assessment Levels: R2, E1, M1

Firefighter II - 8995 **(**Grade 12) (2 high school credits)
PEIMS#13030000

Next four of the courses in the series in basic preparation for a new firefighter to satisfy the TCFP curriculum for Basic Structural Fire Suppression, Course #100.

(Fall semester 8 Del Mar College credits: FIRS 1423 Firefighter Certification V and FIRS 1429 Firefighter Certification VI and spring semester 5 Del Mar College credits: FIRS 1433 Firefighter Certification VII and FIRS 1103 Firefighter Agility/Fitness Preparation)
Assessment Levels: R2, E1, M1

To complete the Basic Firefighter Certificate, students must also complete EMSP 1501 Emergency Medical Technician Basic and EMSP 2160 Clinical after high school graduation. To be hired as a firefighter, a clean criminal back ground check is required.

NJROTC 1-4/Naval Science – 5540, 5550, 5560, 5570 (Grade 9-12) (1 credit)

Prerequisites: None

Naval Science is a multi-disciplinary course that includes an introduction to the NJROTC program and leadership, Naval Ships and Damage Control, the Nation, the Navy, and the People, Sea Power and Maritime Geography, Oceanography, Naval History through 1860, Introduction to Navigation and Time, Basic Seamanship, and First Aid and Health Education. Physical training and wearing of the NJROTC uniform on specified days are mandatory.

Career and Technical Education
Career Development Cooperative Programs

This work-based instructional arrangement develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved career and technology training area. This course introduces students to general employability skills and concepts including human relations and personality development, business ethics, management principles, business communications, basic computer applications and personal and business management. In addition, each student will have an individual training plan that will address the necessary skills and knowledge needed for that student's specific career training.

Students who are planning to take a cooperative program should read the following important notes.

Notes: **The cooperative program includes one hour of class instruction and a two hour work pass for on-the-job training each day. A minimum of fifteen hours work per week is required.**

Due to state requirements, students without previous cooperative work program experience will not be admitted into the program at mid-term. Application for the cooperative program is available from the teacher. Complete and return the application to the cooperative program teacher.

Career Preparation I - 9080 (11-12) (2 - 3 credits)

Prerequisites: 16 Years of Age & Teacher Approval. Recommended: Keyboarding

Career Preparation I provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught 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. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success

Career Preparation II – 9090 (12) (2 - 3 credits)

Prerequisites: 16 Years of Age & Teacher Approval. Recommended: Keyboarding

Career Preparation II develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics, safety, and communication as a group; however, each student will have an individual training plan that will address job-specific knowledge and skills. Approved training sponsors will provide paid occupational training for a student. The training sponsor will assist the teacher in providing the necessary knowledge and skills for the student's specific career preparation.

Trade and Industrial Education

GPISD will work in partnership with area training and development centers, Institutes of Higher Education, and technical centers to provide opportunities in several skilled crafts and industry related training. As these courses are developed, information will be provided by GPHS counselors to students about course registration. *Note: These courses will be offered at sites other than GPISD.*

Courses may include:

Welding
Pipe-fitting
Plumbing
Instrumentation
Electrical
Construction
Refinery Operations

Career and technical education programs enable students to continue their education after high school and/or to gain entry-level employment in a high-skill, high-wage job. Your counselor will help you plan a coherent sequence of courses for the career area of your choosing.

Please visit with a counselor or a CTE teacher if you want to learn more about career choices and preparation for those choices.

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CTE courses are available to all students without regard to ethnicity, disability, national origin, race, sex, age, or limited English language skills. In addition, supplemental services are available to special population students (disabled, educationally disadvantaged, and limited English proficient) as approved for the students. Approved supplemental services for special populations students may include:

- classroom modification
- counseling and career development activities
- curriculum modification
- equipment modification
- instructional aids and devices
- supplemental materials

Minimum Enrollment All courses available require a minimum enrollment of 10 students for the course to make. Courses which do not meet this requirement may be dropped by administrative decision.

Sequence of Courses Students enrolling in Career and Technical Education courses shall follow a coherent sequence of courses as preparation for a career objective. Students in grades nine through twelve may enroll in a career and technical education course at the specified grade level if they meet individual course requirements. Gregory-Portland ISD follows the guidelines of the Achieve Texas Program. This information can be accessed at www.AchieveTexas.org. Please contact a high school counselor for further assistance.

Employment Opportunities Career and Technical Education will provide students with the opportunity to develop preparatory and marketable skills in their chosen field of study. Upon graduation from high school, the student may:

- attend a college or university to pursue a professional degree in a field related to their high school training
- enroll in a junior college or technical institute to receive more highly specialized training, or
- obtain related and meaningful employment

Glossary of Terms

504 PROGRAM Options are available to accommodate students with disabilities as determined by a 504 committee. See your counselor for available options.

ACT college/university entrance exam. Most colleges and universities require either the ACT or the SAT as one of the admission requirements. Students are encouraged to take exams by the spring of their junior year so that early fall of the senior year can be used to refine the scores, if necessary. You may take them at an earlier date for practice.

Alternative Education Courses Credit earned through the Alternative Center for Education (ACE) program will receive regular weight. ACE courses, by U.I.L guidelines, cannot be utilized to obtain U.I.L eligibility.

ASVAB and The Self-Directed Search This test is available to any interested student in grades 10-12. Primary target is the 11th grade student. It is given by the Department of the Defense and does not require any military obligation. The Self-Directed Search inventory is designed to help high school students plan educational courses that have relevance to the world of work and career goals.

Career and Technical Education Courses See Career and Technical Education

Dual Credit/Concurrent Enrollment Junior and Senior students may take certain courses through the institute of higher education for both High School and College credit. Please see the counselors for an Enrolment application. College application must be made and tuition and fees are required.

Dyslexia Program Services offered to students through the DYSLEXIA PROGRAM are available for those qualifying for reading instruction under the dyslexia program guidelines. Contact your counselor for information regarding this program.

ESL Program/English as a Second Language is offered to students, based upon a Home Language Survey and recommendation of the Language Proficiency Assessment Committee. Students who qualify through assessment may receive special English classes and content modifications. Placement in ESL I & II (for state credit) will be determined by the LPAC. Credit in English III & IV must also be earned to fulfill English requirements (4 credits) for graduation.

PSAT This test is given in the fall for juniors, but freshmen and sophomores can take it for practice and information. The results are used in several ways including college course planning to qualifications for college scholarships. Students may qualify as National Merit Scholars during the Junior Year based on the results of this test.

SAT college/university entrance exam. Most colleges and universities require either the SAT or the ACT as one of the admissions requirements. Students are encouraged to take exams by the spring of their junior year so that early fall of the senior year can be used to refine the scores, if necessary. You may take them at an earlier date for practice.

STAAR State of Texas Assessment of Academic Readiness. This is the new state assessment system that will replace TAKS beginning in the school year 2011-2012. For high school students it transitions beginning with first time ninth graders in the school year 2011-2012.

Special Education This program is available for students with disabilities-through the Admission, Review, and Dismissal process. See your counselor for information.

TSI Texas Success Initiative