



WHITTELL HIGH SCHOOL
2016/2017
COURSE CATALOG

GWHS COURSE CATALOG

2016/2017

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REGISTRATION REMINDERS

1. A number of courses are *required* at each grade level to complete state graduation mandates.
2. *Electives* are at the choice of the student but this selection involves a commitment of time and effort as noted in each course catalog description. In general, enrollment in elective courses must minimally be 10 students for a course to be placed on the schedule.
3. The *master schedule* is designed based upon student requests from the registration process.
4. *Schedule changes* are limited and involve multiple parties in addition to the student; parent, teacher, counselor, and administrator.
5. Some classes may be placed on a student's registration form because of state and district *assessment* mandates for earning a high school diploma. Freshmen, Sophomore and Junior students are all required to be enrolled in six classes. Underclassmen enrolled in 0 or 7 periods are expected to be enrolled in periods 1-6.
6. Classes and or co-curricular activity that may be addressing controversial material or topics shall provide reasonable and appropriate notification to parents. Parents may then make a personal choice to have their student participate in these activities.

Please read and study the catalog with parents, friends, and teachers. Make your selections carefully, realizing that you are making a commitment for 2015-2016. Thank you for your deliberation and assistance in developing a critical school structure for academic achievement.

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CURRENT GEORGE WHITTELL HIGH SCHOOL GRADUATION REQUIREMENTS (CLASSES OF 2017 AND 2018 ONLY)

Subjects:	Credits:	Competencies:	Grade:	End of Course Exams (Participation Only):
English (Including English II)	4			Reading Writing
Math (Including Alg I and Geo)	4			Math I Math II
Science	3	Science Literacy	9-12	HSPE - Science
PE	2**		--	--
World History	1		10	--
U.S. History	1		11	--
U.S. Government	1		12	--
Fine Arts (CTE)	1			--
Health	½			--
Computer Lit.	½			--
Speech	½	Oral Proficiency Career Notetaker	9-12	--
Electives	4 ½	Education/Career Plan	8-12	ACT Plus Writing
Total	23			

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CURRENT GEORGE WHITTELL HIGH SCHOOL GRADUATION REQUIREMENTS (CLASSES OF 2019 AND 2020)

Subjects:	Credits:	Competencies:	Grade:	End of Course Exams (Must Pass):
English (Including English II)	4			Reading Writing
Math (Including Alg I and Geo)	4			Math I Math II
Science	3	Science Literacy	9-12	Science (Participation Only)
PE	2**		--	--
World History	1		10	--
U.S. History	1		11	--
U.S. Government	1		12	--
Fine Arts (CTE)	1			--
Health	½			--
Computer Lit.	½			--
Speech	½	Oral Proficiency Career Notetaker	9-12	--
Electives	4 ½	Education/Career Plan	8-12	ACT Plus Writing (Participation Only)
Total	23			

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**One credit may be waived by participation in school sports, cheerleading, drill team, or marching band. Waived credits count toward fulfilling graduation requirements; however, they do not count toward the 23 or 24 credits required to earn a regular or advanced high school diploma. Waived credits allow for students to take other courses to fulfill the 23 or 24 credit requirement. A student may earn one credit in a Supervised Curriculum in Physical Education program (SCPE), (Administrative Regulation 518a). To participate in SCPE please see the counselor for an application. Completed applications must be submitted to the counselor by March 12, 2016.

The remaining four and one-half (4.5) credits may be earned as electives. One-half credit is awarded for each semester course passed with a D or better.

Students must also pass and/or participate in the Nevada End of Course Exams in math, reading, writing and science. Successful completion of performance assessments is required for graduation in our competency-based system.

COMPETENCIES

Students are required to pass several competencies. If students are unable to pass these competencies, they will be provided with remediation opportunities.

Students and parents often have questions about which competencies have been completed and which have not. Please refer to the Competency Report Card that is mailed home at the beginning of each school year or set an appointment with your counselor.

DIPLOMAS

High School Diploma – Students who have met the credit requirements listed above, have participated and/or passed the Nevada End of Course exams in Reading, Writing, Mathematics, and Science and have met the competencies will receive a GWHS diploma.

Honors Recognition Diploma – Students who have met the requirements of the Honors Graduation Recognition Policy and have met the credit requirements of a high school diploma (listed above) will receive a GWHS diploma with Honors recognition.

1. Meet the high school diploma requirements
2. Meet the following Honors criteria:
 - 24 credits including 10 semesters of AP or Honors classes with a B or better
 - A cumulative GPA of at least a 3.6

Advanced Diploma – The advanced recognition is given to those students who have a 3.25 or higher cumulative GPA and 24 or more credit hours earned which must include 4 or more Math credits and 3 or more Science credits.

Adjusted Diploma – Special Education students may receive an adjusted diploma if the IEP team determines that the student has met his or her IEP goals, coursework, credit and attendance requirements.

EXIT LEVELS

The term “Exit Level” is used to indicate the amount or type of training required for a student’s post high school career choice.

Exit Level 1: High school diploma; entry jobs.

Exit Level 2: Two-year college prep/tech prep; vocational, military; skilled jobs.

Exit Level 3: Four-year college degree; advanced professional training.

ADVANCED PLACEMENT (AP) & HONORS CLASSES

Advanced Placement courses are open enrollment with the following stipulations:

- A prescribed, national curriculum is taught by a teacher specially trained in this curriculum and accompanying instructional methods.
- Students enrolled in the course must take the test at the end of the year, typically in May.
- A lab fee is assessed for each AP exam, approximately \$95. This fee will be collected no later than the conclusion of the first semester.
- Students on free or reduced lunch are eligible for a reduced test fee.
- Exceptions to these expectations are limited to unforeseen situations and must be discussed between the parent(s) and the GWHS Principal well in advance of the dates for administering the AP exams.

Recommended criteria for placement in Honors courses include having met or exceeded proficiency in the following:

- MAP scores and HSPE and/or End of Course Exams, if taken
- District Performance assessments, and 8th & 11th grade state writing examinations
- Grade in prior course

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As stated in Douglas County School District Administrative Regulation 513, secondary schools (grades 9-12) have adopted weighted grade procedures for Advanced Placement (AP) and Honors classes for the Class of 2007 and beyond, which became effective the 2003-2004 school year. Our scales are as follows:

<u>GPA Un-Weighted Scale</u>	<u>Weighted Scale Class of 2017 (Honors & AP Courses)</u>	<u>Weighted Scale Class of 2018+ (Honors & AP Courses)</u>
A = 4.0	A = 5.0	A = 4.05 (AP), 4.025 (H)
B = 3.0	B = 4.0	B = 3.05 (AP), 3.025 (H)
C = 2.0	C = 3.0	C = 2.05 (AP), 2.025 (H)
D = 1.0	D = 2.0	D = 1.05 (AP), 1.025 (H)
F = 0.0	F = 0.0	F = 0.0

If you are interested in pursuing an Advanced Diploma or an Honors Diploma, please contact your counselor.

These requirements are for high school graduation *only*. Colleges and universities may require additional credits. Students and their families are responsible for finding out the requirements for their college of choice. Please see your counselor if you have questions.

MILLENNIUM SCHOLARSHIP REQUIREMENTS

Nevada high school students will become eligible for a Millennium Scholarship (if funding continues to be available) when **all** of the following conditions are met:

1. Graduate with a diploma from a Nevada public or private high school in the graduating class of the year 2000 or later;
2. Complete high school with at least a **3.25** grade point average calculated using all high school credit granting courses. The grade point average may be weighted or unweighted;
3. Pass all areas of the Nevada High School Proficiency and/or End of Course Examinations;
4. Be a resident of Nevada, as defined by the Board of Regents’ policy (Title 4, Chapter 18, Section 18), for at least two of your high school years.

To receive the benefits of the Millennium Scholarship Program, **students must enroll in an eligible institution of higher education in Nevada**. It is important to remember that receiving a Millennium Scholarship does not guarantee admission to all institutions, nor does it guarantee admission to all programs at the eligible institutions of higher education.

Students should contact the institutions of their choice and familiarize themselves with the admissions procedures and requirements. It is recommended that students speak to their high school counselors regarding an advanced high school diploma if they plan to attend UNLV or UNR.

After students are admitted to an eligible institution, there are two requirements of enrollment they must meet in order to receive the benefits of the scholarship:

1. Enroll each semester in a minimum of 6 credits at a NSHE community college or 12 credits at another eligible institution.
2. Enroll in a program of study leading to a recognized associate degree, baccalaureate degree, or pre-baccalaureate certificate.

In addition to the “Graduating Classes” requirements, a student who graduates with the class of 2009 or later must have completed the core curriculum as defined in the NSHE Governor Guinn Millennium Scholarship Policies and Procedure of the Board of Regents:

Section 13. Core Curriculum

The Board recognizes the importance of a rigorous high school curriculum in adequately preparing students to succeed in college-level courses. Therefore, a student who graduates from a Nevada high school must successfully complete the following curriculum in high school to be eligible for the Millennium Scholarship:

High School Courses	Units
English	4
Math (including Algebra II or higher)	4
Natural Science	3
Social Science and History	3
Total:	14

CAREER & TECHNICAL EDUCATION (CTE)

FAMILY AND CONSUMER SCIENCES

INTRODUCTION TO CULINARY ARTS

7th & 8th

Semester Course

Students will be introduced to recipe structure, measurement conversion, and basic cooking techniques and dishes. Students will complete the course with a personalized cookbook.

CULINARY ARTS 1

9th, 10th, 11th, 12th

Year Course

This is a beginning class in nutrition and creative meal planning emphasizing easy-to-prepare nutritious foods that meet individual needs. Special areas of interest include health foods, introduction to foreign cooking, kitchen safety, sanitation, soup cookery, quick breads, pastries and cake decorating.

CULINARY ARTS 2

10th, 11th, 12th

Year Course

(Prerequisite: Culinary Arts 1)

The culinary arts program shall serve as an introduction to the food service industry focusing on sustainability and seasonal foods. Students are introduced to industry standards, environments, and what makes up a complete meal that meets industry standards. Students will be encouraged to set a career plan. The curriculum will address each student's interest in the field. The importance of strong work ethic and self-motivation will be discussed and modeled. Students will be encouraged to pursue an apprenticeship program to gain practical experience in a professional food service setting.

CULINARY ARTS 3

11th, 12th

Year Course

(Prerequisite: Culinary Arts 2)

The culinary arts program will continue to work with students focused on a career in the food service industry. More career options will be explored, and students will be encouraged to work towards their career plan. Students will be encouraged to pursue an apprenticeship program to gain practical experience in a professional food service setting and/or to participate in local culinary competitions.

INFORMATION AND MEDIA ARTS TECHNOLOGIES

DIGITAL LITERACY

9th, 10th, 11th, 12th

Semester Course

This course is an introduction to computer technology. Students will learn keyboarding, spreadsheets, and database applications including PowerPoint and appropriate use of the Internet. This class will satisfy the computer literacy requirement for graduation.

INTRODUCTION TO COMPUTER SCIENCE

8th, 9th, 10th, 11th, 12th

Semester Course

This course is designed as the 1st step in a 3-course Career & Technical Education pathway for Computer Science. The class will follow the Project Lead the Way Gateway curriculum for Intro to Computer Science 1 and 2, described as follows: Studies show that by 2018, 1.4 million job openings will be available for computer specialists. In the first half of this course, students discover the principles of this fast-growing field by focusing on creativity and an iterative design process as they create their own basic apps using MIT App Inventor. In the second half of the course, students venture into text programming through Python and, in the final problem, develop an app to crowdsource and analyze data on a topic of their interest.

AP COMPUTER SCIENCE PRINCIPLES

9th, 10th, 11th, 12th

Year Course

(Prerequisite: Successful completion of Algebra 1)

This course is designed as the 2nd step in a 3-course Career & Technical Education pathway for Computer Science. The Advanced Placement Program will offer this course and exam for the first time in the 2016-2017 school year. The course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. In this class, students will learn the skills needed to create digital projects-- from simple games and apps to programs that can analyze large data sets or inspire the creation of visual art and music. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career. The necessary prerequisites for entering the AP Computer Science Principles course include knowledge of basic algebra and experience in problem solving, as

well as competence in written communication. No previous experience with coding is required.

AP COMPUTER SCIENCE A

10th, 11th, 12th

Year Course

(Pre-requisite: Completion of, or concurrent enrollment in Algebra 2.)

This course is designed as the third step in a 3-course Career & Technical Education pathway for Computer Science. The Advanced Placement Program offers a course and exam in introductory computer science. The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design, and abstraction. Current offerings of the AP Computer Science A Exam require the use of Java. The necessary prerequisites for entering the AP Computer Science A course include knowledge of basic algebra and experience in problem solving, as well as competence in written communication. Intro to CS, APCS Principles, and/or some previous experience with coding is recommended, but not required.

HEALTH SCIENCE

PRINCIPLES OF BIOMEDICAL SCIENCE I

9th, 10th, 11th, 12th

Year Course

(Prerequisites: Biology w/B or better or concurrent enrollment in Biology)

PATHWAY: BIOMEDICAL SCIENCE PROJECT LEAD THE WAY (PLTW) This course will introduce students to human structure and function. Areas of study include anatomy, healthcare delivery systems, medical terminology, emergency management, health information technology, and legal practices. The appropriate use of technology and industry standard equipment is an integral part of this course.

HUMAN BODY SYSTEMS

10th, 11th, 12th

Year Course

Prerequisites: Principles of Biomedical Science I w/B or better; recommended Human Anatomy/Physiology or concurrent enrollment

This course is a continuation of the Biomedical Sciences Project Lead the Way curriculum. Students examine the interactions of human body systems as they explore identity, power, movement, protection and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries.

ENGLISH LANGUAGE ARTS

ENGLISH

7th

Year Course

This is a yearlong course combining the study of reading, writing, speaking and listening. The content will review basic elementary skills and teach new skills in the areas of literature, grammar and writing. Students will read and analyze the novel *The Pearl*, and *Tangerine*. Application of acquired skills will happen through such topics as genre, narrative competencies, making predictions (inferences) and the mechanics of grammar.

Springboard activities are aligned with the Nevada State English Standards as well as the critical content of Douglas County. Assignments embedded in the program will also meet the benchmark requirements for Douglas County students. Students will each receive their own workbook at the beginning of the year.

ENGLISH

8th

Year Course

This course will expand the students' writing abilities and strengthen critical-thinking skills. All lessons will relate to the process of writing. Grammar and mechanics will be used to review reading skills and critical thinking skills, including, *Fahrenheit 451* and various Holocaust texts. Special emphasis will be focused on preparing for and taking the 8th grade writing assessment.

Eighth grade students will use Springboard, a nationally recognized Pre-Advanced Placement resource book, as the main focus of this class. Springboard activities are aligned with the Nevada State English Standards as well as the critical content of Douglas County. Assignments embedded in the program will also meet the benchmark requirements for Douglas County students. Students will each receive their own workbook at the beginning of the year.

ENGLISH 1

9th

Year Course

A one year course designed to teach freshmen the essential foundation for literature, writing, vocabulary development, mechanics and usage. They study and analyze short stories, non-fiction, film and poetry. Students learn to write various genres including film, style and analysis papers, and literary analysis essays for, *Romeo and Juliet*, and *To Kill a Mockingbird*. They also practice elements of writing.

Springboard activities are aligned with the Nevada State English Standards as well as the critical content of Douglas County. Students will each receive their own consumable textbook at the beginning of the year.

ENGLISH 1 HONORS (H)

9th

Year Course

(Prerequisite: Met target MAP scores for grade level; A or B in 8th grade English; Commitment to complete 4-6 hours of outside reading each week; Willingness to complete summer reading; Willingness to sign and abide by Honors contract.

Exceptions: If a student doesn't meet this criteria, the teacher may choose to accept the student on a probationary status. The student and parents will sign a probationary contract that the student will be

transferred out if the student has a D or F at the first 6-week Progress Report or a C or below at the first semester grade report.)

Designed for the serious academic ninth grader, the course includes an in-depth review of grammar skills, vocabulary development including Greek roots, further study of writing and the analysis of composition, stories, poetry and Greek mythology. Students will critically analyze texts like the Iliad, *The Odyssey*, *Romeo and Juliet*, and *To Kill a Mockingbird* to connect themes and historical context with the literary tradition.

Springboard activities are aligned with the Nevada State English Standards as well as the critical content of Douglas County. Students will each receive their own workbook at the beginning of the year.

ENGLISH 2

10th

Year Course

(Prerequisite: English 1)

This comprehensive composition/literature course stresses critical thinking strategies, world literature, and quality writing products. Students practice research skills. Reading, writing, grammar, and vocabulary are integrated components of the course. Students focus on elements of culture as depicted in film and the novel, *Things Fall Apart* or *Children of the River*.__

Springboard activities are aligned with the Nevada State English Standards as well as the critical content of Douglas County. Students will each receive their own consumable textbook at the beginning of the year.

ENGLISH 2 Honors (H)

10th

Year Course

(Prerequisite: Met target MAP scores for grade level; A or B in the previous year's English class; Commitment to complete 4-6 hours of outside reading each week; Willingness to complete summer reading; Willingness to sign and abide by Honors contract.

Exceptions: If a student doesn't meet this criteria, the teacher may choose to accept the student on a probationary status. The student and parents will sign a probationary contract that the student will be transferred out if the student has a D or F at the first 6-week Progress Report or a C or below at the first semester grade report.)

Grammar and usage skills will be reviewed. Critical reading will emphasize connotative and denotative definitions, and precise word choice.

Springboard activities are aligned with the Nevada State English Standards as well as the critical content of Douglas County. Students will each receive their own consumable textbook at the beginning of the year.

**ENGLISH 3
11th Year Course**

(Prerequisite: English 2)

English III introduces students to their literary heritage with a major emphasis on American literature. The literature will be studied in the form of plays, novels, short stories, film, and poems. Novels are read in class and outside of class, and expository writing and research a required in this course.

Springboard activities are aligned with the Nevada State English Standards as well as the critical content of Douglas County. Students will each receive their own consumable textbook at the beginning of the year.

**ENGLISH 3 (AP)
11th Year Course**

(Prerequisite: Met target MAP scores for grade level; Passed HSPE Reading exam; A or B in the previous year's English class; Commitment to complete 4-6 hours of outside reading each week; Willingness to complete summer reading; Willingness to sign and abide by AP contract. All students enrolled in the AP English Language and Composition course will be required to take the AP test. See AP policy on Page 6. Exceptions: If a student doesn't meet this criteria, the teacher may choose to accept the student on a probationary status. The student and parents will sign a probationary contract that the student will be transferred out if the student has a D or F at the first 6-week Progress Report or a C or below at the first semester grade report.)

AP English Language and Composition is a course designed for the college-bound student who has already attained basic reading and writing skills. In this class, skills emphasized will involve analytical thinking, stylistic and literary analysis, and critical reading. In the process, students will examine works of mostly non-fiction; complete essays, and prepare for the Advanced

Placement test. Rhetorical strategies will make up the bulk of key concepts.

Because this course is structured like a college English class, students must be able to manage their time well. Many assignments are time-intensive and require long-term planning. In addition, students must be self-directed. It is recommended that students have followed the Honors English programs throughout high school.

**ENGLISH 4
12th Year Course**

(Prerequisite: English 3)

This course focuses on expository writing based on peer evaluation and rewriting techniques. Focus on preparation will be toward college-type papers and essay exams. In literature, the genre of world literature, i.e. poetry, short stories, novels and full-length plays, will be covered. This course will also include essay writing, as a means of evaluation, a research paper that is required for graduation, as well as objective exams and other vocabulary assignments.

Springboard activities are aligned with the Nevada State English Standards as well as the critical content of Douglas County. Students will each receive their own consumable textbook at the beginning of the year.

**ENGLISH 4 (AP)
12th Year Course**

(Prerequisite: Met target MAP scores for grade level; Passed HSPE Reading and Writing exam; A or B in the previous year's English class; Commitment to complete 4-6 hours of outside reading each week; Willingness to complete summer reading; Willingness to sign and abide by AP contract. All students enrolled in the AP English Literature course will be required to take the AP test. See AP policy on Page 6. Exceptions: If a student doesn't meet this criteria, the teacher may choose to accept the student on a probationary status. The student and parents will sign a probationary contract that the student will be transferred out if the student has a D or F at the first 6-week Progress Report or a C or below at the first semester grade report.)

The achievements of England have helped to define and shape the American experience since the birth of our

republic. Our American system of government, our language and literature, our whole culture, retain profound links to England. In this class students will become aware of the links between the two countries and understand the sources for many of the institutions. In addition, students will gain an awareness of one of the world's greatest bodies of literature, the art spawned from that literature, and the corresponding technological and scientific advances during the time periods studied. Course study will include major writing assignments, readings in various genres, at least one Shakespeare play, and a comprehensive essay final exam. Projects using multi-media will be required, both independent and group.

ESL, STUDY SKILLS
7th, 8th, 9th, 10th, 11th, 12th **Year Course**
(Prerequisite: Teacher recommendation; 1 year)

This course has a tutorial format de-signed to meet the individual needs of beginning to advanced students of English as a Second Language who need academic support to complete the required coursework of the main-stream classroom.

ACQUISITION LANGUAGE
9th, 10th, 11th, 12th **Year Course**

This class provides instruction in social and content English in order to support students identified as English Language Learners. Students are placed in this class with the ESL teacher and counselor approval.

LITERACY 2.1
10th **Semester or Year Course**

This class is designed to help improve student skills in reading fluency and comprehension.

LITERACY 3.1
11th **Semester or Year Course**

This class is designed to help improve student skills in reading fluency and comprehension.

FINE ARTS

ART
7th & 8th **Semester Course**
Lab Fee Required

Students in 7th and 8th grade art will practice art skills based on art standards. Various drawing materials are used including pen, colored pencils and pastels, painting techniques in watercolor or tempera will be introduced. Students will explore other media such as printmaking, clay, cut paper, collage and sculpture. An introduction to art terminology and art history is also covered.

ART 1
9th, 10th, 11th, 12th **Year Course**
Lab Fee Required

This year long introductory class is designed to introduce the student to a variety of mediums in which they will use in their exploration of the Elements of Art and the Principles of Design. The primary focus will be on the creation of 2-dimensional pictorial work using such mediums as pens, pencils, pastels, watercolor, tempera, acrylic, print-making. The role of art in culture and society will also be explored and incorporated into student projects. Students work from models, resource materials and their imaginations. Some outside work is required.

ART 2
10th, 11th, 12th **Year Course**
(Prerequisite: Art 1)
Lab Fee Required

Students enrolled in Art II must have a strong working knowledge of composition and have good basic skills. Students will continue to develop and reinforce their drawing and painting skills, which will include perspective, value, line observation and color theory. Additionally students will continue to be exposed to a variety of 2-dimensional, 3-dimensional projects, experimentation of mediums and art history. Some projects will include, but are not limited to, still-life drawing, printmaking, illuminated letters, calligraphy and tessellations. One art history project is required per semester. Outside drawing assignments are required.

CERAMICS I

9th, 10th, 11th, 12th

Year Course

Lab Fee Required

This is a year-long course designed to introduce students to sculpture. Students will use basic hand-building and glazing techniques in clay. Students will learn the processes involved in creating pottery and sculpture, both functional and purely decorative. Color theory, art terms, the elements and principles of art, as well as exploring ceramics from past cultures and the present will all be part of the curriculum.

STUDIO ART

12th

Year Course

(Prerequisite: Art 2 with an "A" or better)

Lab Fee Required

For the art career or art school oriented student, this class provides opportunity for detailed rendering, acrylic painting, assemblage and/or graphic art techniques. Students will have the opportunity to continue to develop and refine their own personal style in a variety of mediums. Students must be able to work independently toward personal goals. Progress will be recorded and biweekly meetings to discuss progress toward written goals will be arranged. A portfolio will be completed that can be used for college admissions, scholarships or job applications. The year will culminate with a student art show. Doing artwork outside of class is required.

DRAMA

9th, 10th, 11th, 12th

Year Course

This is a performance and project-based course that introduces students to theater arts. Students gain knowledge and skills in improvisation, performance and technical production. Theater history and playwriting may also be covered. Participation is a major grading component.

PHOTOGRAPHY 1 & 2

9TH, 10TH, 11TH, 12TH

Year Course

Lab Fee Required

The purpose of this class is to learn and develop your abilities in the process of photography either with an SLR or digital camera. Students may begin by using cell phone cameras or aim and shoot cameras to create

meaningful compositions. During this two semester course, students will work towards the following goals: 1. Gain an understanding of the history of photography and capturing images and image processing on the computer. 2. Learn to create stronger and more interesting compositions using the Art Elements. 3. Create a portfolio of images that relate to a common theme or purpose. 4. Showcase photographs on a website or on other internet resources. 5. Participate in displays, competitions, and/or activities that support the GWHS community. 6. Acquire the necessary language, critical thinking and analytical skills to communicate ideas to others about the photographic medium. 7. Show growth in Digital image-editing and other advanced photographic techniques.

BEGINNING BAND

7th – 12th Grade

Year Course

Beginning band is a course to introduce the student with the joy of band literature. The basics will be explored including tone, production, embouchure, instrument mechanics, music reading, some extra-curricular activities, and two evening performances are required each year.

INTERMEDIATE BAND

7th, 8th, 9th, 10th, 11th, 12th

Year Course

(Prerequisite: At least one-year experience and Teacher approval. Students new to GWHS require audition and Teacher approval.)

This class is for the intermediate/advanced high school musician with experience. It is a performing organization with emphasis on standard and modern wind ensemble literature. The student is obligated to many extra-curricular activities/performances. Upon teacher recommendation, a student must audition for the NZNMEA Honor Band, and participate if selected.

CHORUS

7th, 8th, 9th, 10th, 11th, 12th

Year Course

Mixed chorus is a course designed to acquaint the high school student with the possibilities of the human voice as vocal art. Music of all periods is studied. Two evening performances are required each year. Upon teacher recommendation, a student must audition for the NZNMEA Honor Choir, and participate if selected.

INTRODUCTION TO PIANO

9TH, 10TH, 11TH, 12TH

Year Course

This is a course designed to introduce students to written music on the piano. Techniques will include sight reading, scales, etudes, solo and group work, and basic composition.

ORCHESTRA

9TH, 10TH, 11TH, 12TH

Year Course

This is a beginning course in the stringed instruments. This includes upright base, cello, violin, and viola. Students will be taught to read music in their clef and will work as solo musicians and ensemble. There will be two required performances at the end of each semester.

JOURNALISM

10th, 11th, 12th

Year Course

Journalism class provides students with news writing, photography and layout skills. Emphasis is placed on “desktop” style publishing. Campus editions of a student newspaper are published.

YEARBOOK

10th, 11th, 12th

Year Course

This course will provide students with the chance to work in a professional setting in order to produce a final published book. Each student will be involved with marketing, sales, graphic arts, photography and desktop publishing. Since work is individual and deadlines mandatory, initiative, self-direction and responsibility are essential.

FOREIGN LANGUAGE

SPANISH 1

8th, 9th, 10th, 11th, 12th

Year Course

Students learn to understand and reproduce the sounds of language and to read and write it within the framework of basic vocabulary and sentence patterns. To further practice certain vocabulary and concepts, students are expected to prepare and present projects. The student is expected to communicate with oral expressions, spell accurately the assigned vocabulary,

and master the basic grammatical concepts. Both oral and written practice is necessary. In this way the student learns to understand the oral language, use it and write it accurately. The students also learn about the culture and customs of the countries where the language is spoken. Regular attendance and daily outside study is necessary for success in learning a foreign language. The conversational assessments will be a major component of this course.

SPANISH 2

9th, 10th, 11th, 12th

Year Course

(Prerequisite: Completion of Spanish I with a “C” or better in both semesters)

Second year language presents a continuation of basic grammatical concepts and sentence patterns. The student is expected to comprehend the oral language more easily, to be able to communicate orally, no matter how imperfectly he/she may be speaking. The student is expected to write original paragraphs on simple subjects. The student is expected to read the language orally with good pronunciation, and translate accurately into good English. The study of the culture of the countries where the language is spoken is continued and students are able to read on these subjects in the native language. The conversational assessments will be a major component of this course.

SPANISH 3

10th, 11th, 12th

Year Course

(Prerequisite: Spanish 2 with “C” or better in both semesters)

Students are expected to be self-motivated and daily study is critical. The study of grammar continues with strong emphasis on reading and translations. Reading of short stories is required. Accurate spelling and punctuation are expected. An original composition is required. Students are expected to participate in conversation practice.

SPANISH 4

11th, 12th

Year Course

(Prerequisite: Spanish 3 with “C” or better both semesters)

Listening, speaking, reading and writing skills, as well as cultural literacy are developed through rigorous grammar study, literature study, oral presentations, conversation practice, extended compositions and use

of media. Daily homework consists of grammar, composition and reading practice. Fourth year Spanish students are encouraged to extend their use of Spanish outside the classroom.

SPANISH 5 / CONVERSATIONAL SPANISH
10th, 11th, 12th **Year Course**
(Prerequisite: Spanish 4 with "C" or better both semesters)

Spanish conversations are the focus of this course. Grammar, sentence patterns, and verb conjugations will be systematically learned through dialogues with the teacher and students, reinforcing concepts learned in past years. A large portion of the conversations will include "accent correction," colloquialisms, idioms and proverbs, along with the realization of differences within regional dialects and diction. Homework will include some reading, writing and translations, albeit minimal. The emphasis of students' grades will focus on daily conversational practice and dialogues. This course, overall, is to prepare students who are planning a trip abroad to a Spanish-speaking country and/or planning to pursue more Spanish in college.

MATHEMATICS

CORE MATH 7
7th **Year Course**
 This course will be based on the Common Core Standards for Mathematics and will have four areas of focus.

1. Developing understanding of and applying proportional relationships.
2. Developing understanding of operations with rational numbers and working with expressions and linear equations.
3. Solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume.
4. Drawing inferences about populations based on samples.

ACCELERATED CORE MATH 7
7th **Year Course**
(Prerequisite: A screening process is in place and will be used as an entry tool into this accelerated Math course. The screening process occurs at the end of the 6th grade year and includes past performance on standardized math tests, grades in Math, teacher recommendation, and score on a comprehensive placement exam)

The curriculum in this class is made up of seventh grade Common Core Math curriculum plus half of the eighth grade Common Core Math curriculum. This course will have 5 areas of focus: ratios and proportional relationships, the number system, expressions and equations, geometry, and statistics and probability.

CORE MATH 8
8th **Year Course**

This course will be based on the Common Core Standards for Mathematics and will have three areas of focus.

1. Formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations.
2. Grasping the concept of a function and using functions to describe quantitative relationships.
3. Analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

ALGEBRA I
9th, 10th, 11th, 12th **Year Course**
 Algebra 1 covers all introductory algebraic concepts including working with variables, using variables to represent situations, solving and applying equations, functions, graphing, solving systems of equations. All topics include applications and integrate the use of statistical data.

ALGEBRA 2
10th, 11th, 12th **Year Course**
(Prerequisite: Algebra 1 and Geometry, or concurrent enrollment in Geometry)

In this second course in algebra, we cover in greater depth many topics previously studied such as linear and

quadratic equations and systems of equations to a greater extent. The course also introduces students to more advanced topics involving matrices, logarithms, and an introduction to trigonometric functions. Successful completion of the course will prepare them for college mathematics.

GEOMETRY

9th, 10th, 11th, 12th

Year Course

(Prerequisite: Algebra 1)

In geometry, we study points, lines, planes and various figures. Inductive and deductive reasoning is used in proofs as the properties of the figures are established. Two dimensional as well as three dimensional figures are analyzed. Problem solving using postulates, theorems, and definitions are stressed.

SURVEY OF MATH

11th, 12th

Year Course

(Prerequisite: Geometry 2 and Teacher Recommendation)

This course provides necessary support with algebra and geometry content in preparation for more advanced mathematics. Topics covered include sets and logic, equations and inequalities, trigonometry, probability and statistics, and functions.

STATISTICS, PROBABILITY & DISCRETE MATH

11th, 12th

Year Course

(Prerequisite: Algebra 2)

This course will provide the student with the skills to gather, calculate, present and interpret statistical data. Topics include descriptive statistics, inferential statistics, counting techniques, probability and hypothesis testing. The students will explore applications of these topics to the social sciences, sports, business, government, and the fine arts.

PRE-CALCULUS/TRIGONOMETRY (H)

10th, 11th, 12th

Year Course

(Prerequisite: Algebra 2 with a "C" or better)

This course presents and develops the necessary topics used in a Calculus class. Topics include an in-depth study and review of the relations between the sides, angles, and areas of triangles. The relationships between trigonometric functions and trigonometric formulas will also be covered. Other course topics

include logarithms, solving equations, and the graphing of functions.

CALCULUS (AP)

11th, 12th

Year Course

(Prerequisite: Pre-Cal/Trig with a "C" or better. All students enrolled in the AP Calculus course will be required to take the AP test. See AP policy Page 6)

This course is designed to cover the fundamental ideas of Analytical Geometry and Calculus. Topics include plane coordinates, curve sketching, functions, limits, derivatives, integrals, and the fundamental theorem of Calculus. A major focus will be preparation for the Advanced Placement exam in the spring.

PHYSICAL EDUCATION / HEALTH

PHYSICAL EDUCATION

7th

Semester or Year Course

This class is designed to teach students how and why they should keep themselves healthy and fit throughout their lifetime. Students will be provided learning experiences which are developmentally appropriate, that increase physical competence, physical fitness, self-esteem and joy through lifelong physical activity. The curriculum includes a balance of skills, concepts, game activities, physical fitness, and dance experiences designed to enhance the cognitive, motor, and affective development of every child. Opportunities will be provided for students to work together to improve social skills and help to develop a positive self-concept.

PHYSICAL EDUCATION

8th

Semester or Year Course

This semester long program focuses on the physical, mental, social and emotional development of the individual in a cooperative and competitive setting. The student will be provided with experiences in psychomotor skills, movement experiences, lifetime health-related fitness skills and values. The goals of the class are accomplished through participation in team sports, individual/dual sports, fitness, wellness and movement activities. Rules, strategies, safety and life skills will be emphasized in relation to active participation and the development of becoming a knowledgeable spectator.

Co. Ed. PHYSICAL EDUCATION

9th, 10th, 11th, 12th Semester or Year Course

This co-ed course in physical education is designed to develop the student's knowledge and interest in obtaining a healthy, active lifestyle. A variety of activities will be taught both indoors and outdoors with emphasis on lifetime sports activities. Recommended for all 9th graders.

WEIGHT TRAINING

10th, 11th, 12th Semester or Year Course

(Prerequisite: 1 year in P.E.)

This weight training class is designed to meet the needs of the student. The student will be focusing on strength training, agility, and overall body contouring. The student must be self-motivated and expect a physically demanding class every day. Aerobic conditioning will be included daily to improve overall cardiovascular fitness.

HEALTH

9th, 10th, 11th, 12th Semester Course

This course is required for all ninth graders and involves the study of health as a balancing of physical, mental, and social relationships, to reach "total health". Specific topics covered include a study of personal health, mental health, family life, sex education, abuse of drugs, alcohol and tobacco, systems of the body, safety education. One semester of Health is required for graduation.

SCIENCE

SCIENCE

7th & 8th Year Course

The middle school science program is a pair of two year courses. The courses are based upon inquiry labs and activities. The two courses are offered in alternating years.

1. Life Science topics: cell structure, heredity, organisms and their environment, diversity of life
2. Earth Science topics major focus: geology, earth's plate forces, and earth history. Minor focus: meteorology, astronomy, atomic structure.

BIOLOGY

9th, 10th, 11th, 12th Year Course

Biology is devoted to the study of life in all of its forms, interactions within the environment and the evolution of life. Major units of study include the cell, genetics, evolution, microbiology, plants, animals and biomes. The learning environment includes lecture, labs, video, and group-guided lessons.

BIOLOGY (AP)

11th, 12th Year Course

(Prerequisites: Biology and Chemistry with a B or better. Strong math skills; completion of Algebra II with a B or better, or teacher approval)

The AP Biology course is designed to be the equivalent of the general biology course usually taken during the first year of college. Advanced topics and in-depth laboratory experiences in cell biology, microbiology, genetics, zoology and botany will be prevalent throughout the year. All students will be expected to take the AP exam which may lead to college credit. Students will be assessed a testing fee prior to testing. This course entails an increased workload and demands a significantly higher level of thinking and reasoning than the regular curriculum. There will be one or two mandatory lunch meetings during May in the year prior to the fall semester when the course starts and a summer assignment to be completed prior to the start of the class in the fall.

CHEMISTRY

10th, 11th, 12th Year Course

(Prerequisites: Biology with a B or better. Strong math skills. Completion of Algebra I with a B or better.)

Chemistry is the science dealing with the structure of matter. Study will include periodicity, uncertainty, atomic and molecular structure, stoichiometry, kinetic-molecular theory, intermolecular forces, and gases. Problem solving and strong algebra skills are necessary to be successful. Laboratory experiences and chemical demonstrations will be used frequently to relate concepts.

CHEMISTRY (AP)**10th, 11th, 12th****Year Course**

All students enrolled in the AP Chemistry course will be required to take the AP test. See AP Policy Page 6. (Prerequisite: Completion of 1st year chemistry with an "A" or instructor consent with a "B". Completion of Algebra II)

Advanced Placement courses offer a curriculum designed by college faculty and current AP teachers. AP Chemistry is designed to be the equivalent of a general chemistry course usually taken during the first college year. The course will build upon topics mastered in first year chemistry. New topics include advanced chemical bonding, reaction types, acids-bases, reaction kinetics, equilibrium, electrochemistry, thermodynamics, advanced lab activities, and descriptive chemistry. Significant out-of-class study time will be required to master this course.

ENVIRONMENTAL SCIENCE (AP)**11th, 12th****Year Course**

All students enrolled in the AP Environmental Science course will be required to take the AP test. See AP Policy Page 6. (Prerequisites: Completion of 2 years of high school laboratory science - one year of life science and one year of physical science. For example, students may take the course with 1 year of biology and 1 year of chemistry. Additionally, students should also have taken at least one year of algebra.)

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world and to identify and analyze environmental problems. Unlike most other introductory-level college science courses, environmental science is offered from a wide variety of departments, including geology, biology, environmental studies, environmental science, chemistry, and geography.

FORENSICS**10th, 11th, 12th****Semester Course**

(Prerequisite: Biology, Chemistry)

Forensic Science is the study and application of science to matters of law. Forensic scientist use crime labs to

help them examine evidence found at crime scenes. Topics will include types of evidence, crime scenes, fingerprints, hair, fibers, drugs, toxicology, trace evidence, blood, DNA analysis, human remains, soil analysis, glass, and document/handwriting analysis.

HUMAN ANATOMY AND PHYSIOLOGY**11th, 12th****Year Course**

(Prerequisite: Biology and Chemistry – Chemistry may be concurrent)

This class is oriented to students who have successfully completed biology and have an interest in pursuing a profession in the research, medical or health-related fields. The major units of study include an introductory unit on the human body, histology and the skeletal, muscular, circulatory and nervous systems. The learning environment includes lectures, demonstrations, student lab activities, audio and video materials, and the use of laser disc technology.

ORGANIC CHEMISTRY**10th, 11th, 12th****Semester Course**

(Prerequisite: 1 semester of Chemistry 1)

One semester lab course focusing on carbon chemistry and the reactions of living things. Topics and activities include structure and nomenclature, reactions and synthesis of organic compounds.

PHYSICS**11th, 12th****Year Course**

(Prerequisite: Biology "C" or better, Trigonometry "C" or better, or concurrent enrollment applies only to Trigonometry not Biology.)

Physics is a mathematical study of motion, mass, energy, heat, light, and work. Approximately twenty percent of the Physics students' time is involved with laboratory experiences so that the student might observe these phenomena first hand. A significant amount of time is spent on problem solving which enables the student to achieve better quantitative understanding.

PRINCIPLES OF PHYSICS**10th, 11th, 12th****Year Course**

(Prerequisites: Biology)

This yearlong course will focus on physical science, and particularly energy. Primary topics will include Newton's Laws of Motion, Forces, Work, Thermal

Energy, Electricity, Magnetism, Waves, Sound, and Light. Some time will be spent on the energy sources and environmental impacts of energy production and use.

SOCIAL STUDIES

ECONOMICS/COLLEGE PLANNING SEMINAR

12th **Year Course**

The course introduces the student to basic microeconomic concepts such as supply and demand and basic macroeconomic concepts such as fiscal policy and monetary policy. The course also covers basic personal finance concepts such as checking accounts, charge account, budgeting, insurance, and investing. *This class will also include time for the Counselor to provide college and career information as well as financial aid and scholarship opportunities.*

INTRO TO PSYCHOLOGY

11th, 12th **Year Course**

This course provides an overview of the major principles and concepts of Psychology, including the Brain and nervous systems, human development, memory, learning, personality, mental illness and the scientific method. Student will participate in dozens of experiments and real life situations designed to bring the content alive and help them apply the material to their own lives. Particular emphasis will be placed upon fostering feelings of empathy for those who are mentally ill as well as increasing the student's understanding of themselves. Students will leave the class with better insights into the causes of human behavior as well as the form and function of the brain.

SOCIAL STUDIES

7th **Year Course**

This course takes students on a tour of the Eastern Hemisphere. Physical geography, social issues, world religions and various cultures are just a few of the topics explored in Social Studies 7. For each region studied students get a close up look at the traditions, customs, struggles, and physical geography that affect the people of the Eastern Hemisphere.

U.S. GOVERNMENT

12th **Year Course**

A survey of the American form of government, this required class focuses on its historical development, functions and possible future alterations. This course deals with all levels of our government from the national level to the role of the local Justice of the Peace, and also stresses the role that an active and interested citizen must take to ensure the successes of all future undertakings of our nation.

U.S. GOVERNMENT (AP)

12th **Year Course**

All students enrolled in the AP US Government course are required to take the AP test. See AP policy Page 6. (Prerequisite: Students must receive a recommendation from their 11th grade US History class and must have passed their 10th grade World History ALTs)

Advanced Placement United States Government covers the structure of the American government as well as the influences on the policymaking process. Additionally, AP United States Government students perfect writing skills, interpret primary resources, and manage a large volume of facts and historic details. Advanced Placement United States Government is designed to prepare students for the AP U.S. Government exam in May.

U.S. HISTORY

8th **Year Course**

Students will explore US History from the Age of Exploration and colonization through the outbreak of World War I. Students will understand concepts, patterns, and interdependent relationships that shape our increasingly diverse world. The class will also focus on contemporary issues that impact our nation.

U.S. HISTORY

11th **Year Course**

This course provides students with a chronological survey of the events, individuals, and ideas that combined to shape the American people, and the United States, from the Age of Exploration and colonization through World War II to contemporary issues that impact our nation. Special emphasis is given to the analysis of the unique social, political, and economic factors that transformed the United States

from a small British colony to its current role as a leader in the family of nations.

U.S. HISTORY (AP)

11th, 12th

Year Course

All students enrolled in the AP US History course will be required to take the AP test. See AP policy Page 6.

(Prerequisite: Student must receive an 85% or above in their 10th grade World History class-receive a recommendation from their 10th grade World History class and must have passed their 10th grade World History ALTs)

Advanced Placement United States History covers American history from the era of exploration and colonization to the modern era. The course is taught chronologically with attention to political, cultural, military, diplomatic, economic, social and intellectual themes. Additionally, AP United States History students perfect writing skills, interpret primary resources and manage a large volume of facts and historic details, Advanced Placement United States History is designed to prepare students for the AP U.S. History exam in May.

WORLD HISTORY

10th, 11th, 12th

Year Course

This course acquaints students with the significant events of the world, East and West, from the Medieval time period through the twentieth century. This course gives students an appreciation for the geographic, political, social and economic conditions that have shaped the modern world and the importance of the inter-relationships of human societies. Particular attention will be paid to the world since 1945 and contemporary events and problems that afflict regions around the world.

ELECTIVES

LEADERSHIP

9th, 10th, 11th, 12th

Semester or Year Course

(Prerequisite: Class officer, teacher approval based on grades and teacher evaluation)

Lab Fee Required

This course is designed primarily for student body officers. Students enrolled in the course must understand that much of the grade will be based on community service work completed outside of class. Attendance at school functions, public service, community relations and fundraising are all mandatory for this class. Many of these hours are after school, evenings, and on weekends. Students will be involved with many off-campus-unsupervised activities and must be responsible for their own actions.

The Leadership Advisor may select additional members by application. See him/her for details and forms to submit.

OFFICE AIDE

11th, 12th

Semester or Year Course

(Prerequisite: Administrator approval and on grade level with credits, and State graduation requirements)

This class is designed to assist the main office in general office procedures. The student must be dependable and trustworthy because he/she will assume a great deal of responsibility. Pass/Fail grades will be given.

TEACHER AIDE

11th, 12th

Semester or Year Course

(Prerequisite: Teacher approval and on grade level with credits, State graduation requirements).

This class is designed to assist the teacher with preparation of classroom materials. Good attendance is mandatory. Student must be trustworthy with good behavior. One credit maximum may be earned. Pass/Fail grades will be given.

TUTORING

10th, 11th, 12th

Semester or Year Course

(Prerequisite: Counselor and on grade level with credits, and State graduation requirements)

The student will provide Math and English tutoring to their peers under the direction of a GWHS teacher. Pass/Fail grades will be given.

INTERNSHIP (COE)

11th, 12th Semester or Year Course
(Prerequisite: Counselor and employer permission. The student must be at grade level with no deficiencies)

This course is for students who wish to explore a career in depth by serving as an unpaid student intern at a place of business. The business contact, instructor, and student will agree on an Individualized Training Plan (ITP). Employ-ability skills such as communication, work habits, attitude, ethics, conflict management, motivation, and problem solving are emphasized in the ITP as competencies that the student-intern will learn. The internship will consist of a minimum of 90 hours per semester for ½ credit. Letter grades will be given.

WORK EXPERIENCE (COE)

11th, 12th Semester or Year Course
(Prerequisite: Counselor and employer permission. The student must be at grade level with no deficiencies)

For students who have employment positions with local employers. The students will work in the employment position for credit and letter grade. 120 hours of documented employment is equivalent to ½ credit per semester.

COMMUNICATION INSTRUCTION 1.1

9th Semester or Year Course

This class focuses on teaching study skills and strategies needed for success in high school.

COMMUNICATION INSTRUCTION 2.1

10th Semester or Year Course

This class focuses on teaching study skills and strategies needed for success in high school.

COMMUNICATION INSTRUCTION 3.1

11th Semester or Year Course

This class focuses on teaching study skills and strategies needed for success in high school.

COMMUNICATION INSTRUCTION 4.1

12th Semester or Year Course

This class focuses on teaching study skills and strategies needed for success in high school.

STUDY SKILLS 7/8

7th, 8th Semester or Year Course

This class focuses on teaching study skills and strategies needed for success in junior high school.

NOTICE

Dear GWHS Student and Parent/Guardian:

To prepare the GWHS graduate with the knowledge and skills for success after high school in postsecondary education, in employment, in citizenship, and in relationships is a common goal. The master schedule is the structure that presents opportunities for learners to achieve this goal. Planning based on student choices during the *registration* process enables the efficient construction of an empowering master schedule.

- **Students select courses necessary for graduation and college admissions. The counselor facilitates this process.**
- **Students develop special interests or experiment with new content and skills. Parents and other trusted adults encourage these experiences.**
- **Teachers review content knowledge and standards and prepare rich curriculum and instructional activities.**
- **Administrators allocate resources – time, personnel, and money - to support student choices and teacher expertise.**

Please review this catalog carefully. Make conscientious choices and commit to these selections. All members of the learning community benefit from a well-planned, deliberately implemented master schedule. Thank you for your consideration.