

Mission of Griswold High School:

The faculty and staff of Griswold High School provide a safe and accepting atmosphere in which all individuals learn, broaden their horizons, and achieve their full potential. Through the high expectations of a diverse and challenging curriculum, students acquire the knowledge and skills essential to become responsible citizens and productive members of society. In alliance with the community, parents, students and faculty share responsibility for the success of the mission.

Vision of the Griswold High School Graduate

<p><u>Effective Communicator</u></p> <p>The Griswold graduate demonstrates an ability to communicate effectively and confidently through writing, speaking, listening, presenting, collaborating and other forms of creative expression.</p>	<p><u>Resilient Problem Solver</u></p> <p>The Griswold graduate demonstrates an ability to achieve goals by taking risks, and solving problems with flexibility, strategic planning, attention to detail and perseverance.</p>
<p><u>Critical Thinker</u></p> <p>The Griswold graduate demonstrates an ability to gather and evaluate information, analyze objectively, form a judgment, develop a hypothesis, and initiate inquiry through the mastery of multiple literacies.</p>	<p><u>Engaged Citizen</u></p> <p>The Griswold graduate demonstrates an ability to engage in service-oriented and civic-minded activities and to utilize cultural literacy and integrity to make responsible and culturally-sensitive decisions.</p>





OUR MISSION

The community of Griswold Public Schools educates for excellence by empowering students to become compassionate, confident, creative and resourceful members of society.

OUR VISION

The community of Griswold Public Schools excels at education for excellence for all students to be college and/or career ready.

CORE VALUES

The Griswold Public Schools:

- ensures the physical, social, and emotional safety of students;
- values the contributions and resources of its students, parents, staff, and the community-at-large;
- inspires all through learning experiences that are relevant, challenging, and meaningful;
- develops a culture that promotes responsibility, respect, honesty, and integrity;
- welcomes the multiple perspectives of its diverse community based on race, culture, and ethnicity;
- cultivates global perspectives and cultural understandings through world studies and languages;
- advances learning through the relevant use of technology in a digitally connected world;
- ignites a passion for learning that drives students toward postsecondary success.

**Program of Studies
Principal's Message**

Dear Griswold High School Students, Parents and Guardians,

You are embarking on the final years of your public school experience in preparation for your successful future! Griswold High School provides an amazing opportunity for you to best prepare to be an independent and contributing member of our global society. The faculty and staff of Griswold High School strive to provide a safe and accepting atmosphere in which all individuals learn, broaden their horizons, and achieve their full potential. Through the high expectations of a diverse and challenging curriculum, students acquire the knowledge and skills essential to take their places as responsible citizens and productive members of society. In alliance with the community, parents, students and faculty share responsibility for the success of this mission.

Griswold High School offers courses aligned with college and competitive career pathways aimed to challenge every student. Students are encouraged to enroll in our Advanced Placement (AP) courses and Early College Experience (ECE) programs. These programs offer the most challenging and rigorous coursework, as they align with expectations at the college level. Students are able to earn college credit through participation in these courses, helping to best prepare for life in college, as well as alleviate the financial hardship of college today by earning credits in high school. Students are also strongly encouraged to explore our College Career Pathway Program (CCP), an academic option for all students in collaboration with Three Rivers Community College (TRCC) or Quinebaug Valley Community College (QVCC). Upon successful completion of CCP courses all students can earn college credit.

Griswold High School is a close community that strives to offer students an individualized educational experience that is student-centered, rigorous, applicable to life experiences, and aligned with student and content skills and standards. Our *Vision of the Graduate* highlights essential transferable skills essential to the future of all graduates. We believe in contributing to and giving back to your community, thus implementing a community service requirement explored through Advisory and our Capstone team. We encourage students to get involved in some of the many extracurricular activities offered at Griswold High School. Students, your administrators, school counselors, teachers, and staff members are here to help you to become compassionate, confident, creative and resourceful members of today's world.

I wish you much success and happiness, and want for each of you to enjoy this journey. I am most fortunate to be your principal!

Most Sincerely,



Mrs. Erin Palonen

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NCAA ELIGIBILITY

Core Courses

NCAA Division I requires 16 core courses in four years & a minimum of a 2.3 GPA in these courses. NCAA Division II requires 16 core courses & a 2.2 GPA. NCAA Division I will also require 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, Math, and natural or physical science). These 10 courses become “locked in” at the seventh semester (fall of senior year) and cannot be retaken for grade improvement.

Test Scores

Division I & Division II both use a sliding scale to match test scores and core grade-point averages (GPA).

The SAT scores used for NCAA purposes only includes the critical reading and math sections. The writing section of the SAT is NOT used.

The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.

Student athletes who register for the SAT or ACT use the NCAA Eligibility Center code of **9999** to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on a GHS transcript will not be accepted. Contact the school counseling office or the athletic director for further information regarding NCAA eligibility. NCAA Clearinghouse applications are completed online at www.ncaaclearinghouse.net.

ELIGIBILITY REQUIREMENTS

Division I: 16 Core Courses

- 4 years of English
- 3 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science
- 1 year of additional English, mathematics or natural/physical science.
- 2 years of social science
- 4 years of additional courses from any area above, world language, or comparative religion/philosophy.

Division II: 16 Core Courses

- 3 years of English
- 2 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science
- 3 years of additional English, mathematics or natural/physical science.
- 2 years of social science
- 4 years of additional courses from any area above, world language, or comparative religion/philosophy.

ENTRANCE REQUIREMENTS FOR POST-SECONDARY SCHOOLS

The following are general entrance requirements for post-secondary programs. Students must consult with their school counselor and the college or university they plan to attend for the specific academic requirements.

Four-Year Colleges

English	4 years
Math	3 years minimum (CP/H Algebra, CP/H Geometry & CP/H Algebra II) 4 years preferred
Science	2 years of a lab science 3-4 years preferred
World Language	2 years minimum in one language 3-4 years preferred
Social Studies	3 years including U.S History and Civics

CAREER PATHWAYS

Griswold High School offers students six state of CT Developed career clusters from which to choose a pathway:

- **Business Management/Banking**
- **Education and Training**
- **Hospitality & Tourism**
- **Health Sciences**
- **Engineering/Manufacturing & Design**
- **Web & Digital Communications**

****Pathway Requirements begin on page 9****

ART/VOCATIONAL EDUCATION AS A GRADUATION REQUIREMENT

Each student in the class of 2021 & 2022 must pass one credit in either Art or Vocational Education. The following elective courses may be used toward this requirement:

Art	
Advanced Drawing	Drawing I & II
Art History I & II	Painting I & II
Ceramics I & II	
Business	
Accounting I or II	Learn How to Make Money
Business Ethics & Law	Marketing
Entrepreneurship	Reality the Game of Life
Introduction to Business	Software Applications I & II
	Sports Management

Family and Consumer Sciences & Health

Advanced Fashion Design	Fashion Design
Baking I & II	Introduction to Individual & Family Development
American Regional Foods	International Foods
Child Growth & Development	Sports and Fitness Nutrition
Culinary Essentials	
Early Childhood Education	
Essentials of Culinary I & II	

Music

Bass Guitar	Music Technology
Band	Musical Theater
Chamber Singers	Piano I/Piano II
Chorus	String Orchestra
Concert Choir	Wind Symphony
Guitar I/II	

Technology

Adv. Studies in Photography	Exploratory Graphics
Basic Photography	Multimedia Comm. & Art
Broadcast Production	Production Graphics
Construction I & II	Transportation Technology
Computer Aided Drafting I,II&III	Wood Technology I & II
Digital Imaging	

Health Sciences

Diversified Health Occupations	CNA & Adv. CNA
Sports Medicine	Medical Terminology I & II

THE COLLEGE CAREER PATHWAY PROGRAM

The College Career Pathways Program (CCP) is a free curriculum option available to Griswold High School students in conjunction with Three Rivers Community College or Quinebaug Valley Community College. Students enrolled in a CCP course are invited to complete the paperwork at the beginning of the semester. Students may complete any or all courses within the program which currently includes: H/CP Algebra II, College Software Applications II, Early Childhood Education, Introduction to Business, Medical Terminology II, Sports & Fitness Nutrition, Diversified Health Occupations, & Honors Anatomy & Physiology.

Griswold High School students who meet prerequisite requirements and successfully complete each course with a final grade of 75 or better have the opportunity to earn both high school and college level credit. Students can apply to other colleges and bring the transcript of their CCP course work for possible college credit. This program continues to undergo revision at the community college level and it is anticipated that other courses will have the possibility for articulation in the future. All students are given the opportunity to participate in this program. **Students not maintaining the minimum average must withdraw from the program by the deadline or they will receive the resulting grade on a college transcript.** Please contact your school counselor for further information.

THE ADVANCED PLACEMENT PROGRAM

Students in the Advanced Placement Program have the opportunity to participate in rigorous college level courses while in high school. Each AP course follows a rigorous curriculum that has undergone approval by the College Board and culminates in students taking the AP Exam in May. Students receiving a 3, 4 or 5 on the exam may receive college credit based on the standards set by the College or University that they choose to attend. The AP Exam fee is paid for by the student, subsidized by the College Board for students on free or reduced lunch. For additional information visit: www.collegeboard.org. **All students are expected to take the AP Exam if they are enrolled in an AP Course.**

THE UNIVERSITY OF CONNECTICUT EARLY COLLEGE EXPERIENCE

University of Connecticut Early College Experience (UConn ECE) provides academically motivated students the opportunity to take university courses while in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college and earn college credits that provide both an academic and a financial head-start on a college degree and other post-secondary opportunities. UConn ECE instructors are high school teachers certified by the University. UCONN ECE Instructors foster independent learning, creativity and critical thinking - all important for success in college and careers. Griswold High School offers UConn ECE Courses in: HDFS 1070: Individual and Family Development; Biology 1107; English 1010: Seminar in Academic Writing; English 1011: Seminar in Writing Through Literature; and PHY 1201Q: General Physics I. To support rigorous learning, University of Connecticut academic resources including library and online classroom access, are available to all UConn ECE students.

UConn courses taken through UConn Early College Experience reflect the University grading scheme. UConn final grades are issued on an A - F Scale. University credits are highly transferable to other universities. Applications must be completed on-line in the spring prior to the enrolling school year. Students are charged a fee per credit and will receive an on-line bill through the University in the fall. For additional information visit: www.ece.uconn.edu

CREDITS

Students are promoted to the next grade according to the following accumulation of credits (not the # of years in high school). Students may move grade levels at mid-year.

Class of 2021 & 2022 Class of 2023 & beyond

Gr. 9 to Gr. 10:	5.5 credits	6 credits
Gr. 10 to Gr. 11:	11 credits	12 credits
Gr. 11 to Gr. 12	17 credits	18 credits

GRADUATION REQUIREMENTS

To qualify for a diploma from Griswold High School, the following minimum requirements must be met:

All Students must take *a minimum of 7 credits* per year and *may not have more than ONE study hall per semester*.

Class of 2021 & 2022

Total Credits Required for Graduation: Minimum 24

All Students must meet the following requirements:

4 years of English	4 credits
3 years of Social Studies*	3 credits
*Including .5 credit in Civics by CT state law	
3 years of Science	3 credits
3 years of Math	3 credits
2 semesters of Physical Education	1 credit
1 semester of Health	½ credit
1 semester of Financial and Professional Development	½ credit
1 year of Art/Vocational Education	<u>1 credit</u>
Other electives	<u>8 credits</u>
TOTAL	24 credits

Class of 2023 & Beyond

Total Credits Required for Graduation: Minimum 25

All Students must meet the following requirements:

Humanities	10 credits
<i>Including: 4 years English</i>	
<i>3 years Social Studies</i>	
<i>1 year World Language</i>	
Science, Technology, Engineering & Mathematics	9 credits
<i>Including: 4 years Mathematics</i>	
<i>3 years Science</i>	
Physical Education & Wellness	1 credit
Health & Safety	1 credit
Mastery based diploma assessment	1 credit
Community Service (1/4 per year)	1 credit
Electives	<u>2 credits</u>
TOTAL	25 CREDITS

GRADING SYSTEM

90-100 = A

80-89 = B

70-79 = C

65-69 = D

64 OR BELOW = F

WEIGHTED CLASS RANK

Class rank is recognized as an ordering of high school students by academic achievement. In this system, demanding courses are assigned more quality points than less demanding courses for the same earned grade. Class rank value is calculated by determining the number of quality points for each course taken. The total quality points are then divided by the total number of credits and students are ranked using their class rank value. Class ranks are calculated at the end of each school year for freshman, sophomores & juniors and both at the midpoint and end of senior year.

Class rank serves a variety of purposes including qualification for scholarships. For the purposes of determining class valedictorian, salutatorian, and marshals, class ranks will be calculated using grades up to and including the first semester of the senior year. Actual rank will be determined by calculation. Privileges, honors and awards associated with the rank will be assigned at the discretion of school administration. Such may be withheld as a result of discipline or other just cause.

LEVELS OF DIFFICULTY

Advanced- Courses at this level are designed to provide the most rigorous coursework available at the high school. Courses earn this level designation with the approval of The College Board Advanced Placement Program and/or the University of Connecticut's Early College Experience Program (ECE). College credit is determined based upon performance on the advanced placement exam and individual college or university exam policy. ECE students must successfully complete the course with a grade of C or better to receive university credit. Teacher recommendation and course prerequisites apply.

Honors - Courses offered at this level are designed for the above average student who is extremely motivated and demonstrates a high degree of interest in the subject area. Teacher recommendation required.

Level I - Courses offered at this level are designed for the College Preparatory level student with a high degree of interest and a willingness to work in depth within a subject area.

Level II - Courses offered at this level include lower level elective courses and general level core academic courses for students in need of additional instruction and reinforcement of basic skills.

Level III - Courses at this level include introductory elective courses.

DETERMINING QUALITY POINTS

Advanced	Final Grade x 1.20 = Quality Points Example : 80 x 1.20 = 96.0
Honors	Final Grade x 1.15 = Quality Points Example: 80 x 1.15 = 92.0
Level I	Final Grade x 1.10 = Quality Points Example: 80 x 1.10 = 88.0
Level II	Final Grade x 1.05 = Quality Points Example: 80 x 1.05 = 84.0
Level III	Final Grade x 1.00 = Quality Points Example: 80 x 1.00 = 80.0

Weighted grades are used only for class rank and do not affect honor roll or grades recorded on the permanent record.

HONOR ROLL



80 – 86.99	General Honors	No grades below 75
87 – 92.99	Honors	No grades below 80
93 – 99.99	High Honors	No grades below 85

COURSE CHANGES OR DROPPING A COURSE

Under all but the most unusual circumstances, no course changes will be allowed after the first two weeks of the semester. These changes can only be made with the completion of an approval form signed by a parent or guardian in conjunction with the teacher and school counselor. This applies to students over the age of 18 as well as those under age 18.

Note: in the case of moving up or down a level in the same course, any posted quarter grade(s) and the grade to date of withdrawal will follow a student to the new course level.

Students are not normally allowed to drop a course for which they have registered after the first 2 weeks in the semester. In those instances when a course is dropped, it is done so only with the written permission of the parent and school counselor. When a course is dropped after the 2 week withdrawal period, the student will receive a grade of withdrawn (WF). A withdrawn has an effective weight of an "F" in the student's cumulative average and for honor roll purposes.

VIRTUAL HIGH SCHOOL

The Virtual High School program offers online courses for self-motivated, independent students interested in enrolling in an advanced course or in an elective course not offered within the GHS selection of classes. Limited to 40 spaces per year (AP courses are full year classes and count as two spaces). **Students registering for VHS AP courses MUST take the AP exam (at student expense).** Course selection and enrollment is handled through the school counselor and the VHS site coordinator. Experience learning in an online environment as well as attending class with students from all over the world!



ATHLETIC ELIGIBILITY

Eligibility for fall sports is determined by the number of credits received toward graduation at the close of the previous school year, not the fourth marking period grades. You must have received credit in at least four Carnegie units of work for which you did not previously receive credit to be eligible for fall sports participation. This may include credits earned during the summer. Thereafter, marking period grades, not semester grades, are used to determine eligibility. You must take and earn passing grades in at least four quarter Carnegie units and meet the academic requirements of your school to achieve eligibility.

CAREER PATHWAYS - BUSINESS MANAGEMENT/BANKING

Business Management/Banking

	Grade 9	Grade 10	Grade 11	Grade 12
A1	English	English	English	English
B1	Algebra/Geometry	Geometry/Algebra I	Algebra II/Precalc	Statistics/Calculus/ College Algebra
C1	World History	AmGvtMWH/ AP Human Geography	US History	APGvt / Elective
D1	Earth Science	Biology	Chemistry / Env't Studies	Physics OR Elective
A2	PE / Health 9	PE / Elective	FPM/ Health 11	Capstone/ Entrepreneurship
B2	Ess Spanish/ Spanish I/II	Spanish II/III Elective	Spanish III/IV Elective	Spanish IV/V OR Elective
C2	Intro to Business /Software Applications I	Marketing/ Sports Management	Accounting I	How to Make Money/ Entrepreneurship
D2	Study Hall	Study / Elective	Study / Elective	Study/ Elective

Recommended Electives: CP/AP Statistics; Business Ethics & Law; Reality Game of Life, Software Applications II

Career & Technical Student Organizations: Future Business Leaders of America

Work-based learning experiences:

Available industry certification:

Available dual enrollment courses: CP/H Algebra II; Intro to Business; Software Applications II

Tomorrow's Careers & Education Requirements After High School:

Four years (Bachelors Degree) or more: Statistician, Auditor, Financial Planner, Actuary, Benefits Consultant, Management Analyst

Technical (2 years or less): Bookkeeper, Insurance Claims Adjuster, Insurance Broker

CAREER PATHWAYS - EDUCATION & TRAINING

Education & Training

	Grade 9	Grade 10	Grade 11	Grade 12
A1	English	English	English	English
B1	Algebra/Geometry	Geometry/Algebra	Algebra II/Precalc	Stats/Calculus/ College Algebra
C1	World History	AmGvtMWH/ AP Human Geography	US History	APGvt OR <i>Elective</i>
D1	Earth Science	Biology	Chemistry / Env't Studies	Physics OR CP Sociology/CP Psychology
A2	PE / Health	PE / ½ <i>Elective</i>	FPM/ Health	Capstone/ <i>Elective</i>
B2	Ess Spanish/ Spanish I/II	Spanish II/III <i>Elective</i>	Spanish III/IV <i>Elective</i>	Spanish IV/IV <i>Elective</i>
C2	Child Growth & Development / <i>Elective</i>	Teaching the Young Child	CCP Early Childhood Education	ECE Indiv & Family Development
D2	Study Hall	Study / <i>Elective</i>	Study / <i>Elective</i>	Study/ <i>Required Observation Time for ECE</i>

Recommended Electives: CP Psychology, CP Sociology
Career & Technical Student Organizations:
Work-based learning experiences: Montessori School & Preschool observations
Available industry certification:
Available dual enrollment/AP/ECE courses: CP/H Algebra II; Early Childhood Education; Individual & Family Development; AP Human Geography; AP US History
Tomorrow's Careers & Education Requirements After High School:: <u>Four years (Bachelors Degree) or more:</u> Preschool Teacher, Elementary School Teacher, Middle School Teacher, High School Teacher, Human Resource Trainer, Physical Trainer, Psychologist, Social Worker <u>Technical (2 years or less):</u> Child Care Director, Coach, Early Childhood Teacher, Paraprofessional

CAREER PATHWAYS - HOSPITALITY & TOURISM

Hospitality & Tourism

	Grade 9	Grade 10	Grade 11	Grade 12
A1	English	English	English	English
B1	Algebra/Geometry	Geometry/Algebra II	Algebra II/Precalc	Stats/Calculus/ College Algebra
C1	World History	AmGovtMWH/ AP Human Geography	US History	APGovt / <u>Elective</u>
D1	Earth Science	Biology	Chemistry / Env't Studies	Physics OR <u>CP Psychology & CP Sociology</u>
A2	PE / Health	PE / ½ <u>Elective</u>	FPM/ Health	Capstone/ ½ <u>Elective</u>
B2	Ess Spanish/ Spanish I/II	Spanish II/III <u>Elective</u>	Spanish III/IV <u>Elective</u>	Spanish IV/IV <u>Elective</u>
C2	Ess Culinary Arts	American Cuisine/ International Cuisine	Baking I & II	Advanced Culinary Arts
D2	Study Hall	Study / <u>Elective</u>	Study / <u>Elective</u>	Study/ <u>Elective</u>

Recommended Electives: CP Psychology; CP Sociology
Career & Technical Student Organizations:
Work-based learning experiences:
Available industry certification: Serv-Safe
Available dual enrollment courses: CP/H Algebra II
Tomorrow's Careers & Education Requirements After High School: <u>Four years (Bachelors Degree) or more:</u> Catering & Banquet Manager, Executive Chef, Restaurant Owner, Pastry & Specialty Chef <u>Technical (2 years or less):</u> Kitchen Steward, Line Cook, Restaurant Server, Catering & Banquet Manager, Kitchen Manager

CAREER PATHWAYS - HEALTH SCIENCES

Health Sciences: CNA/LPN/RN 2 year degree focus

	Grade 9	Grade 10	Grade 11	Grade 12
A1	English	English	English	English
B1	Algebra/Geometry	Geometry/Algebra II	Algebra II	Stats/College Algebra
C1	World History	AmGvtMWH	US History	CP/H Anatomy & Physiology
D1	Earth Science	Biology	Chemistry	Physics / <i>Elective</i>
A2	PE / Health 9	PE / ½ <i>Elective</i>	FPM/ Health 11	Capstone/ ½ <i>Elective</i>
B2	Ess Spanish/ Spanish I/II	Spanish II/III <i>Elective</i>	Spanish III/IV <i>Elective</i>	Spanish IV/IV <i>Elective</i>
C2	<i>Elective</i>	Diversified Health Occupations/ Sports Medicine	Med Term I & II	CNA/ADV CNA
D2	Study Hall	Study / <i>Elective</i>	Study / <i>Elective</i>	Study/ <i>Elective</i>

Recommended Electives: Sports & Fitness Nutrition, CP Psychology, CP Sociology, Lifetime Fitness

Career & Technical Student Organizations:

Health Occupation Students of America

Work-based learning experiences: Clinical hours -CNA

Available industry certification: Certified Nursing Assistant, CPR, First Aid,

Available dual enrollment courses: CP/H Algebra II; Diversified Health Occupations; Medical Terminology II

Tomorrow's Careers & Education Requirements After High School:

Technical (2 years or less): Certified Nursing Assistant, Clinical Medical Assistant, Dental Assistant, Pharmacy Technician, Physical Therapy Assistant, Surgical Technician, Respiratory Therapist, Veterinary Technician

CAREER PATHWAYS - HEALTH SCIENCES

Health Sciences: RN/PT/PA - 4 year or higher focus

	Grade 9	Grade 10	Grade 11	Grade 12
A1	English	English	English	English
B1	Algebra/Geometry/ Algebra II	Geometry/Algebra II/P recalculus	Algebra II/Precalc/ Calculus AB	College Algebra/ Statistics /Calculus
C1	World History	AmGvtMWH	US History	H Anatomy & Phys.
D1	CP/H Earth & Space Science	CP/H Biology OR CP/H Chemistry (if Biology taken grade 9)	CP/H Chemistry AP/ECE Biology elective	CP/ECE Physics
A2	PE / Health 9	PE / ½ CCP Sports & Fitness Nutrition	FPM/ Health 11	Capstone/ CP Psychology
B2	Spanish I/II	Spanish II/III	Spanish III/IV	Spanish IV/IV Elective
C2	CP/H Biology	DHO/Sports MedDiversified Health Occupations/ Sports Medicine	Med Term I & II	CNA/Adv CNA
D2	Study Hall	Study / Elective	Study / Elective	Study/ Elective

Recommended Electives: CP Psychology, CP Sociology, Sports Fitness and Nutrition, Lifetime Fitness
Career & Technical Student Organizations: Health Occupation Students of America
Work-based learning experiences: Clinical Hours - Advanced CNA
Available industry certification: Certified Nursing Assistant, CPR, First Aid
Available dual enrollment courses: CP/H Algebra II; Diversified Health Occupations; Medical Terminology II; ECE Biology; ECE Physics
Tomorrow's Careers & Education Requirements After High School: <u>Four years (Bachelors Degree) or more:</u> Nurse Practitioner, Physicians Assistant, Dental Hygienist, Pharmacist, Occupational or Physical Therapist, Anesthesiologist Assistant, Radiologic Technician, Veterinarian

CAREER PATHWAYS - ENGINEERING/MANUFACTURING

Engineering/Manufacturing & Design: Engineering Focus

	Grade 9	Grade 10	Grade 11	Grade 12
A1	CP/H English	CP/H English	CP/H English	CP/H English
B1	CP/H Algebra I /Geometry	Geometry/Algebra II	Algebra II/Precalc	Calculus/ College Algebra
C1	World History	AmGvtMWH/ AP HumanGeography	US Hstory	APGvt OR <i>Elective</i>
D1	CP/H Earth & Space Science	CP/H Biology	CP/H Chemistry	CP/ECE Physics
A2	PE / Health 9	PE / ½ <i>Elective</i>	FPM/ Health 11	Capstone/ ½ <i>Elective</i>
B2	CP/H Spanish I/II	Spanish II/III	Spanish III/IV	Spanish IV/IV or <i>Elective</i>
C2	Wood Technology I /Wood Tech II	CADD I / <i>Elective</i>	CADD II	Advanced Manufacturing
D2	Study Hall	Study / <i>Elective</i>	AP Mobile Comp Sci Principles	<i>Elective</i>

Recommended Electives: Construction I & II , Architectural Drafting, AP Mobile Computer Science Principles

Career & Technical Student Organizations:

Work-based learning experiences: 150 Apprenticeship Hours

Available industry certification: OSHA 10

Available dual enrollment/AP/ECE courses: CP/H Algebra II; Mobile Computer Science Principles

Tomorrow's Careers & Education Requirements After High School:

Four years (Bachelors Degree) or more: Aerospace Engineer, Automotive Engineer, Chemical Engineer, Computer Engineer, Design Engineer, Electronics Engineer, Engineering Manager, Industrial Engineer, Mechanical Engineer, Software Engineer, Robotics Engineer, Water or Wastewater Engineer

Technical (2 years or less): Engineering and related technician and technologist, Mechanical Engineering Technician, Robotics Technician

CAREER PATHWAYS - ENGINEERING/MANUFACTURING

Engineering/Manufacturing & Design: Manufacturing Focus

	Grade 9	Grade 10	Grade 11	Grade 12
A1	English	English	English	English
B1	Algebra/Geometry	Geometry/Algebra II	Algebra II/Precalc	Calculus/ College Algebra
C1	World History	AmGvtMWH	US History	Elective
D1	Earth Science	Biology	Chemistry / Env Studies	Physics / Elective
A2	PE / Health 9	PE / ½ Elective	FPM/ Health 11	Capstone/ ½ Elective
B2	Ess Spanish/ Spanish I/II	Spanish II/III Elective	Spanish III/IV Elective	Spanish IV/V Elective
C2	Wood Technology I /Wood Tech II	CADD I /Elective	CADDII	Advanced Manufacturing
D2	Study Hall	Study Elective	Study/ Elective	Study/ Elective

Recommended Electives: Construction I & II, AP Mobile Computer Science Principles
Career & Technical Student Organizations:
Work-based learning experiences: 150 apprenticeship hours
Available industry certification: OSHA 10
Available dual enrollment courses: CP/H Algebra II; AP Mobile Computer Science Principles
<p>Tomorrow's Careers & Education Requirements After High School:</p> <p><u>Four years (Bachelors Degree) or more:</u> Industrial Engineer, Mechanical Engineer, Production Manager, Purchasing Agent, Safety Engineer, Environmental Health & Safety Specialist</p> <p><u>Technical (2 years or less):</u> Biomedical Equipment Technician, Boilermaker, Communication System Installer/Repairer, Computer Installer/Repairer, Electrical Equipment Installer/Repairer, Instrument Calibration and Repairer, Industrial Machinery Mechanic, Instrument Calibration and Repairer, Manufacturing Technician</p>

CAREER PATHWAYS - WEB & DIGITAL COMMUNICATIONS

Web & Digital Communications

	Grade 9	Grade 10	Grade 11	Grade 12
A1	English	English	English	English
B1	Algebra/Geometry	Geometry/Algebra II	Algebra II/Precalc	Stats/Calculus/ College Algebra
C1	World History	AmGvtMWH/ AP Human Geography	US History	APGvt OR Media Studies
D1	Earth Science	Biology	Chemistry / Env't Studies	Physics OR Publications I & II
A2	PE / Health 9	PE / Video Prod	FPM/ Health 11	Capstone/ Production Graphics
B2	Ess Spanish/ Spanish I/II	Spanish II/III <i>Elective</i>	Spanish III/IV <i>Elective</i>	Spanish IV/V Elective
C2	Basic Photo/Exp Graphics	Digital Imaging/ Multimedia Comm	Mobile Computer Science Principles	Adv Photography
D2	Study Hall	Study / Elective	Study / Elective	Study/ Elective

Recommended Electives: Drawing, CADD I, Media Studies, Production Graphics, Video Production, Publications I & II

Career & Technical Student Organizations:

Work-based learning experiences:

Available industry certification:

Available dual enrollment/AP/ECE courses: CP/H Algebra II; Mobile Computer Science Principles

Sample Related Occupations & Education Requirements After High School:

Four years (Bachelors Degree) or more: 2D/3D Artist, Animator, Audio/Video Engineer, Designer, Media Specialist, Production Assistant, Programmer, Streaming Media Specialist, Virtual Reality Specialist, Webmaster, Social Networking Specialist, Search Engine Marketing Specialist

Technical (2 years or less): Audio/Video Technician, Web Designer

ELECTIVES

Freshman Electives

928 Advanced Instrumental Music Ensemble*
910 Band
727 Basic Photography*
939 Bass Guitar*
840 Child Growth and Development*
909 Chorus
656 College Software Applications I*
705 Computer Aided Drafting/Design I*
910 Concert Band
115 Creative Writing*
103 Drama*
900 Drawing I*
901 Drawing II*
645 Entrepreneurship - Learn How to Create
Your Own Business*
810 Essentials of Culinary Arts
715 Exploratory Graphic Communications*

****Pathway Course****

825 Fashion and Design
915 Guitar I*
937 Guitar II*
615 Introduction to Business* (CCP)
647 Marketing*
947 Music Production & Technology*
919 Musical Theater*
918 Piano/Music Theory I*
932 Piano/Music Theory II*
128 Publications I*
129 Publications II*
619 Sports Management*
933 String Orchestra
841 Teaching the Young Child
717 Video Production*
938 Wind Ensemble
710 Wood Technology*
712 Wood II*

*Indicates a one-semester course

Sophomore Electives

323 Accounting I
826 Advanced Fashion & Design
834 American Regional Cuisine*
255 AP Human Geography **(AP)**
940 Art History & Appreciation I*
941 Art History & Appreciation II*
617 Business Ethics & Law*
916 Chamber Singers
706 Computer Aided Drafting/Design II
723 Construction I*
725 Construction II*
911 Concert Choir (audition required)
729 Digital Imaging*
448 Diversified Health Occupations* **(CCP)**

645 Entrepreneurship*
637 Global Business & Economics*
833 International Cuisine & Culture*
113 Media Studies*
114 Advanced Media Studies*
398 Mobile Computer Science Principles **(AP)**
719 Multimedia Communications & Art*
907 Painting I*
908 Painting II*
716 Production Graphics*
657 College Software Applications II* **(CCP)**
811 Sports & Fitness Nutrition* **(CCP)**
435 Sports Medicine*
726 Transportation Technology*

Sophomores may also register for any Freshman electives

*Indicates a one-semester course

Junior Electives

333 Accounting II	816 CP Introduction to Psychology*
443 Advanced Biology (AP/ECE)	818 Lifetime Fitness/Yoga*
945 Advanced Drawing	446 Medical Terminology I*
701 Advanced Manufacturing	447 Medical Terminology II* (CCP)
730 Advanced Studies in Photography	439 Microbiology*
709 Architectural Drafting	346 Probability & Statistics
835 Baking I*	611 Reality: The Game of Life*
836 Baking II*	336 SAT Prep*
903 Ceramics I*	247 CP Sociology*
906 Ceramics II*	1927, 1929 PE 11/12 Team Sports*
842 Early Childhood Education (CCP)	1928, 1930 PE 11/12 Wellness/Weight Training*
850 Introduction to Individual & Family Development (ECE)	

Juniors may also register for any Freshman or Sophomore electives

*Indicates a one-semester course

Senior Electives

249 AP American Government (AP)	456 Honors Anatomy & Physiology (CCP)
443 Advanced Biology (AP/ECE)	345 Honor Calculus
701 Advanced Manufacturing	440 Honors Physics
459 Advanced Physics (AP/ECE)	545 Honors Spanish IV
344 AP Calculus AB (AP)	548 Honors Spanish V
354 AP Calculus BC (AP)	**391 AP Statistics (AP)**
988 Capstone Project*	457/458 Introduction/Advanced CNA*
432 CP Anatomy & Physiology	320 Linear Algebra*
342 CP College Algebra	546 Spanish IV
441 CP Physics	
338 Essentials of College Algebra	** <i>New Courses</i> **

Seniors may also register for any Freshman, Sophomore, or Junior electives

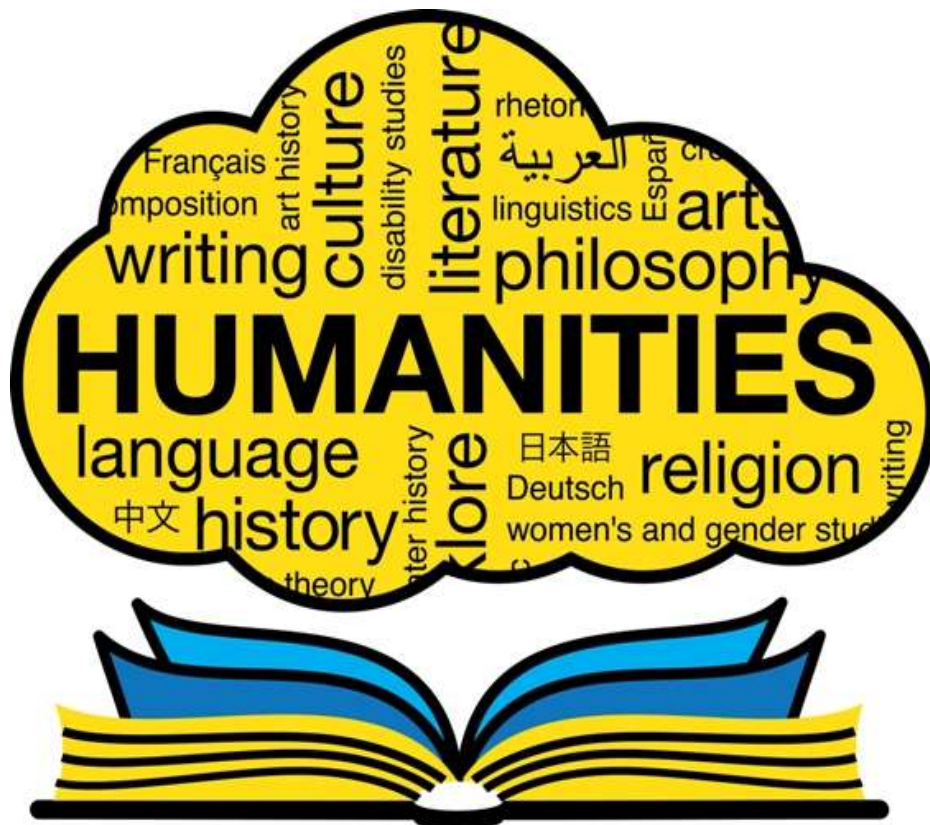
*Indicates a one-semester course



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HUMANITIES

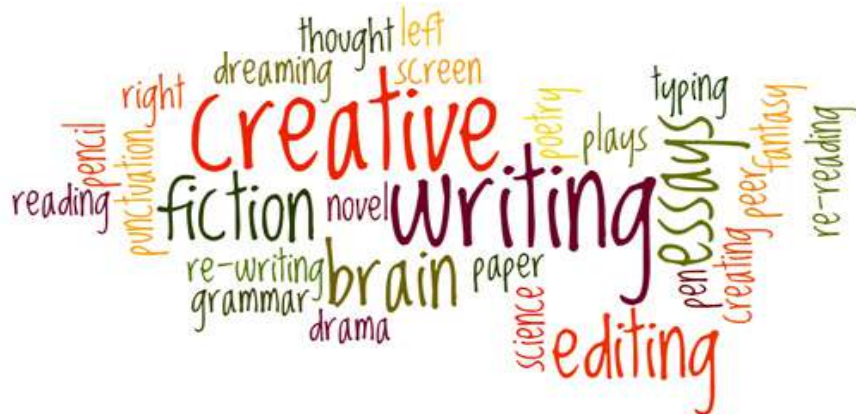
- ENGLISH
- SOCIAL STUDIES
- WORLD LANGUAGE
- ELECTIVES
 - ART
 - FAMILY & CONSUMER SCIENCE
 - MUSIC
 - TECHNOLOGY: MEDIA TECHNOLOGY & COMMUNICATIONS



HUMANITIES: ENGLISH



Grade	Number	Course	Credit
9	155	General English I	1.00
	154	CP English I	1.00
	156	Honors English I	1.00
10	165	General English II	1.00
	164	CP English II	1.00
	125	Honors English II	1.00
11	136	General English III	1.00
	135	CP English III	1.00
	137	Advanced English III (AP/ECE)	1.00
12	144	General English IV	1.00
	143	CP English IV	1.00
	148	Advanced English IV (AP/ECE)	1.00
		ELECTIVES:	
9,10,11,12	103	Drama	.50
10,11,12	113	Media Studies I	.50
10,11,12	114	Advanced Media Studies	.50
9,10,11,12	115	Creative Writing	.50



....GRADE 9....

**154 CP ENGLISH I
155 GENERAL ENGLISH I**

Open to: Freshman
Prerequisite: None
Duration: 1 year/1 credit
Path: 154 Level I, 155 Level II

Freshman English is a comprehensive literacy course targeting the grade 9 standards for English Language Arts. There is an emphasis on argumentative, explanatory, informative, and narrative writing as well as continued reinforcement of grammar skills and vocabulary development. Students are exposed to informational text and rich literature selections from diverse genres with an increasing text complexity which builds literary and cultural knowledge and provides students with the skills and practice to become proficient readers.

156 HONORS ENGLISH I

Open to: Freshman
Prerequisite: Written recommendation from 8th grade English teacher
Duration: 1 year/1 credit
Level: Honors

The English Honors I class covers all aspects of English 154 at an accelerated pace and extends learning with additional projects and readings. Students can expect to delve into the critical analysis of literature, read texts of increasing complexity, and hone their writing skills. Intensive work in all areas of writing will develop a solid foundation in written communication. Through the coursework, students will be expected to meet and exceed grade 9 standards for reading, writing, listening, and speaking. This rigorous course is recommended for students intending to pursue the English Honors Program throughout their high school careers culminating in Early College Experience/Advance Placement English their senior year. Summer reading is required for the course.

....GRADE 10....

165 GENERAL ENGLISH II

Open to: Sophomores
Prerequisite: G Freshman English
Duration: 1 year/1 credit
Level: Two

The goals for the sophomore year English include preparing students for mastery of grade-level Language Arts skills as determined by the standards for English Language Arts, building on the literary analysis and writing skills developed freshman year. At the General level, differentiations in the curriculum will allow for more remediation of reading and writing skills. The curriculum will include the study of the short story, the novel, nonfiction, Shakespeare, as well as vocabulary and grammar. Research-based papers/ projects / presentations will incorporate technology and other media or genres. PSAT reading and writing preparation will occur naturally and explicitly during the year.

164 CP ENGLISH II

Open to: Sophomores
Prerequisite: CP English I
Duration: 1 year/1 credit
Level: One

The goals for the sophomore year English include preparing students for mastery of grade-level Language Arts skills as determined by the standards for English Language Arts, building on the literary analysis and writing skills developed freshman year. At the CP level, independent grade-level reading and nightly homework is expected. The curriculum will include the study of the short story, the novel, nonfiction, Shakespeare, as well as vocabulary and grammar. Research-based papers/ projects / presentations will incorporate technology and other media or genres. PSAT reading and writing preparation will occur naturally and explicitly during the year.

125 HONORS ENGLISH II

Open to: Sophomores
Prerequisite: Successful completion Freshman English and written approval from English teachers.
Duration Credit: 1 year/ 1 credit
Level: Honors

This is a full-year, honor-level sophomore English class. Course readings will cover literature from a wide variety of time periods, cultures, and genres. The focus will be on the examination of universal themes as well as the development of an appreciation for cultural diversity. Critical analysis of literature as well as developing an expression of personal perspective and insight are an integral part of this course.

Intensive work in all areas of writing will reinforce and continue to build on previous skills. Research-based papers and/or projects will be due quarterly. SAT prep will prepare the students for standardized testing. This rigorous course is recommended for students intending to pursue the English Honors Program throughout their high school careers. Summer reading is required for the course.

....GRADE 11....

136 GENERAL ENGLISH III

Open to: Juniors
Prerequisite: English II
Duration/Credit: 1 year/ 1 credit
Level: Two

This course is primarily for students who continue to need further work on reading and writing skills. Emphasis is on understanding and applying communication skills and cultivating an appreciation for a variety of American authors. A further refinement of grammar, vocabulary, spelling, and practical writing skills will be presented.

135 CP ENGLISH III

Open to: Required of CP Juniors
 Prerequisite: CP English II
 Duration/Credit: 1 year/ 1 credit
 Level: One

This course offers an in-depth study of the prose and poetry of major American writers. A wide variety of novels, short stories, plays, and poems will be considered. Students will continue to refine English communication skills through a study of the essay and research papers. Speaking skills will be further developed.

137 ADVANCED ENGLISH III (AP/ECE)

Open to: Juniors
 Prerequisite: H English II and teacher recommendation
 Duration/Credit: 1 year/ 1 credit
 Level: Advanced

This writing-intensive English course is designed for those students who have proven superior academic ability in English and who have demonstrated the ability to work independently. This seminar-style course will require active student participation in discussions of texts and related ideas, independent research, frequent (i.e. daily) writing, and writing conferences and revision. Throughout the year, students will engage in academic writing through interdisciplinary reading, with a focus on a rhetorical analysis of print, visual, and multimedia texts. Writing will require analysis and synthesis of texts, and will include narrative, expository, argumentative, creative, and reflective genres. Consequently, this course will address many state ELA standards and college requirements. Summer reading and response is a prerequisite for the course.

As a course requirement, students MUST choose one or both of the following options as a prerequisite to receiving college credit upon successful completion of the course:

- 1) **This course is developed as a University of Connecticut ECE course. Students have the opportunity to earn four UCONN credits for English 1010: Seminar in Academic Writing. Students must complete a registration form through UConn to be eligible for UConn credit.**
- 2) **Students take the College Board's Advanced Placement English Language and Composition exam in May of their junior year at their expense. Depending on individual college requirements, a student may receive up to three college credits.**

....GRADE 12....

144 GENERAL ENGLISH IV

Open to: Seniors
 Prerequisite: English III
 Duration/Credit: 1 year/ 1 credit
 Level: Two

In this course, students examine the various genres of literature, including short story, novel, drama and poetry. Core works include a Shakespearean play, the Anglo-Saxon epic *Beowulf*, twentieth century British dystopian literature such as *1984* or *Animal Farm*, and selected essays and poems from British and world literature. In addition to completing projects that require independent research, students will also focus on the essay, and in particular, the analysis of literature. Students will demonstrate the ability to identify text evidence to support an argument and to disprove any counterclaims and incorporate that essay in a meaningful, organized essay.

143 CP ENGLISH IV

Open to: Seniors
 Prerequisite: CP English III or Honors English III
 Duration/Credit: 1 year/ 1 credit
 Level: One

In this course, students examine the various genres of literature, including short story, novel, drama and poetry. Core works include a Shakespearean play, the Anglo-Saxon epic *Beowulf*, the dystopian novel *1984*, and selected works from British and world literature. Students will complete projects that require independent research. Student writing will concentrate on the essay, and in particular, the analysis of literature. Students are expected to write a minimum of one fully cited analytical essay per quarter. The final essay will demonstrate college-level writing readiness by showing the student's ability to develop a rhetorical argument, defend the argument with textual evidence, refute opposing viewpoints, and reach an insightful conclusion.

148 ADVANCED ENGLISH IV (AP/ECE)

Open to: Seniors
 Prerequisite: CP or Honors English III **and** teacher recommendation
 Duration/Credit: 1 year/ 1 credit
 Level: Advanced

This English course is designed for those students who have proven superior academic ability in English and who have demonstrated the ability to work independently. Throughout the year, students will experience, interpret, and evaluate works of significant literary merit. Writing will focus on the critical analysis of literature, with forays into the expository, argumentative, creative, and reflective genres.

As a course requirement, students MUST choose one or both of the following options as a prerequisite to receiving college credit upon successful completion of the course:

- 1) ***This course is developed as a University of Connecticut Early College Experience course. Students have the opportunity to earn four UConn credits for English 1011: Seminar in Writing through Literature. Students must complete a registration form through UConn to earn UConn credit.***
- 2) ***Students take the College Board’s Advanced Placement English Literature and Composition exam in May of their senior year at their expense. Depending on individual college requirements, a student may receive up to three college credits.***

ELECTIVES

(OFFERED BASED ON INSTRUCTOR AVAILABILITY)

Do NOT count toward English graduation requirements

115 CREATIVE WRITING

Open to: All students
 Prerequisite: **None**
 Duration/Credit: One semester/½ credit
 Level: One

This class teaches the elements of expressive, creative writing for both prose and poetry. Concentrating first on poetry, students will explore different forms of poetry including blank verse and more traditionally structured works, using exemplar texts as models. The second part of the class focuses on the short story. Students will learn the essentials of creating strong characters and convincing conflicts. Students will read exemplar works to learn how authors use dialogue, description, and symbolism to enhance their storytelling. If time permits, we will look into genre-specific word craft such as personal memoir, world-building, or suspense writing, depending on the class’s needs.

The course requires extensive peer editing and revision of works, and students must be willing to accept constructive criticism. Grades will be determined by effort and diligence toward revision. Students need to be aware that the final product of both the short story and the poetry sections will be publication of at least one poem and one work of creative fiction/nonfiction for a general audience.

103 DRAMA

Open to: All students
 Prerequisite: **None**
 Duration/Credit: One semester/½ credit
 Level: Two

Taking a play from the script to the audience is a multifaceted process that requires many different talents. This course is designed to guide those who want to act, direct or better understand a play through the production process for a play.

Writing skills and interpretation of works in the English language will be improved through exposure, practice, critique, conference, revision and application. Students can expect to read several plays of varying length, write a research paper, learn and perform a monologue and a part in a one act play, write a short script with a unit set, adapt a chapter from a childrens book to the stage, design and present a set, light plot and costumes, create a publicity campaign to promote a play, and present a play to an audience.

113 MEDIA STUDIES

Open to: Sophomores, Juniors and Seniors
 Prerequisite: English I
 Duration/Credit: 1 semester/ ½ credit
 Level: One

Literacy is about more than books; it is about reading the world around us. This class will serve as an introduction to the practices of journalism and media literacy and will invite student to explore how this influences modern life. The curriculum for this class will emphasize the following main themes: journalistic responsibilities, reporting and contextual awareness, journalistic writing and structure, the practices of social media and multimedia publications, and new trends in journalism and media. Students will enhance their reading, writing, and communication skills, using internet technology and other media to critique and create “acts of journalism.”

114 ADVANCED MEDIA STUDIES

Open to: Sophomores, Juniors and Seniors
 Prerequisite: Media Studies I
 Duration/Credit: 1 semester/ ½ credit
 Level: One

More than ever, citizens are empowered to contribute to the world of media publications. This class will focus on the application of the concepts and skills of journalists through the creation of one or more journalistic publications (such as a newspaper, multimedia or internet publication, video blog, etc.) for a broader audience. After being introduced to applications and online programs used in publishing, students will be given a great deal of choice as to their course project. The curriculum for this class will support this by emphasizing audience awareness, effective research and reporting, writing for a variety of purposes, and incorporating technology to create, revise, and publish effective media productions. Students taking this course can expect to be responsible for independently using their learning and technology resources to meet deadlines for class and community publications.

HUMANITIES: SOCIAL STUDIES & BUSINESS



SOCIAL STUDIES			
Grade	Number	Course	Credit
9th	206	General World History	1.00
	205	CP World History	1.00
	219	Honors World History	1.00
10th	227	General Modern World History/Modern American Government	1.00
	226	CP Modern World History/Modern American Government	1.00
	225	Honors Modern World History/Modern American Government	1.00
	255	AP Human Geography (AP)	1.00
11th	231	General United States History	1.00
	230	CP United States History	1.00
	248	AP United States History (AP)	1.00
11th & 12th	247	CP Sociology	.50
	816	CP Psychology	.50
12th	249	AP American Government & Politics (AP)	1.00
BUSINESS			
10, 11, 12	617	Business Ethics & Law	.50



**206 GENERAL WORLD HISTORY
205 CP WORLD HISTORY**

Open to: Freshman
Prerequisite: None
Duration/Credit: 1 year/1 credit

Level Two: **206 GENERAL WORLD HISTORY**
Level One: **205 CP WORLD HISTORY**

This ninth grade course begins with a world perspective of Revolutions: revolutions of thought, society, politics and economics. Students then explore Imperialism and Colonization, the global conflicts of WWI, WWII, and the rise of Nationalism. Students will develop an understanding of the historic as well as the contemporary geographic, social, political and economic consequences of the various areas and problems they review.

219 HONORS WORLD HISTORY

Open to: Freshman
Prerequisite: Teacher Recommendation
Duration/Credit: 1 year/1 credit
Level: Honors

This ninth grade world history course covers all aspects of CP World History 205 at an accelerated pace and extends learning with additional projects, readings and writing assignments. The course begins with world perspective of revolutions in general. Specifically, units of study include: Revolution of Thought (e.g. the Renaissance, Scientific Revolution, and the Enlightenment), the Industrial Revolution, Revolutions of the Americas, Global Imperialism, National Modernization (e.g. Japan, Ottoman Empire, Egypt), World War One, Totalitarianism, World War Two, and ends with the Holocaust. Students will develop an understanding of the historic as well as the contemporary geographic, social, political and economic consequences of the various areas and problems they review. Throughout this course, students will be asked to utilize historical thinking skills and demonstrate historical understanding in various ways. Cooperative learning groups, argumentative and informative essays, interpretations of maps and primary sources as well as various projects will be used to assess student achievement.



**227 GENERAL MODERN WORLD
HISTORY/ AMERICAN GOVERNMENT**

Open to: Sophomores
Prerequisite: General World History
Duration/Credit: 1 year/1 credit
Level: Three

This tenth grade course focuses on a historical analysis of the contemporary world in global perspective from the aftermath of World War II to the present. Topics surveyed will include such areas as the end of WWII and the peace, The Cold War, decolonization, genocide, peace initiatives, and global terrorism. In American Government, students will engage in the study of civic processes, rules, and laws; examine civic and political institutions, and explore civic virtues and democratic principles.

**226 CP MODERN WORLD
HISTORY/AMERICAN
GOVERNMENT**

Open to: Sophomores
Prerequisite: CP World History or teacher recommendation
Duration/Credit: 1 year/1 credit
Level: One

This tenth grade course focuses on a historical analysis of the contemporary world in global perspective from the aftermath of World War II to the present. Topics surveyed will include such areas as the The Cold War, decolonization, genocide, peace initiatives, and global terrorism. In American Government, students will engage in the study of civic processes, rules, and laws; examine civic and political institutions, and explore civic virtues and democratic principles.

**225 HONORS MODERN WORLD
HISTORY/AMERICAN
GOVERNMENT**

Open to: Sophomores
Prerequisite: CP World History and teacher recommendation
Duration/Credit: 1 year/1 credit
Level: Honors

This tenth grade course focuses on a historical analysis of the contemporary world in global perspective from the aftermath of World War II to the present. Topics surveyed will include such areas as the Cold War, decolonization, genocide, peace initiatives, and global terrorism. In American Government, students will engage in the study of civic processes, rules, and laws; examine civic and political institutions, and explore civic virtues and democratic principles.



231/230 GENERAL/CP U.S. HISTORY

Open to: Required of all Juniors
 Prerequisites: ModWorldAmGvt, World History
 Duration/Credit: 1 year/ 1 credit
 Level Three: **231 General U.S. History**
 Level One: **230 CP U.S. History**

This course examines the major turning points in American history beginning with the events leading up to the westward movement, the changing nature of business and government, World War I, the Great Depression, World War II, the growth of the United States as a world power, the Cold War and the struggle to achieve class, ethnic, racial, and gender equality.

248 AP UNITED STATES HISTORY

Open to: Juniors
 Prerequisite: Honors or CP World History, teacher recommendation
 Duration/Credit: 1 year/1 credit
 Level: Advanced

The AP program in United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials - their relevance to a given interpretive problem, their reliability, and their importance- and to weigh the evidence and interpretations presented in historical scholarship. This AP United States History course should 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 an essay format. **Students taking this course are expected to take the AP Exam in United States History (at their expense) in May .**

249 AP UNITED STATES GOVERNMENT & POLITICS

Open to: Seniors
 Prerequisite: AP or CP United States History; teacher recommendation
 Duration/Credit: 1 year/1 credit
 Level: Advanced

The AP Government & Politics: United States course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. **Students taking this course are expected to take the AP Exam in American Government & Politics (at their expense) in May.**

255 AP HUMAN GEOGRAPHY

Open to: Sophomores & Seniors
 Prerequisite: Teacher recommendation
 Duration/Credit: 1 year/1 credit
 Level: Advanced

This is a college-level course which introduces students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students learn to employ spacial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Students look at many topics through the lenses of migration, ethnicity, religion, gender, urban patterns and industrial developments. **Students taking this course are expected to take the AP Exam in Human Geography (at their expense) in May .** **Students who take this course may NOT transfer into Modern World History/American Government once the school year begins. Students MUST complete the mandatory civics requirement by either completing 226 in its' entirety or AP US Gvt & Politics.**



816 CP INTRODUCTION TO PSYCHOLOGY

Open to:	Juniors, Seniors <i>Recommended for Health Sciences, Education & Training & Hospitality and Tourism Pathways</i>
Prerequisite:	None
Duration/Credit:	1 semester/ ½ credit
Level:	One

Introduction to Psychology is an elective that provides an introduction to the essential and basic topics in psychology. This course is designed to help students understand psychology's basic principles, concepts, terminology, and to discover its relevance to everyday life. This course requires students to complete outside reading that will prepare them to engage in classroom discussion and successfully complete classroom assignments. Throughout this course students will gain an understanding of the history of the field of psychology, the learning and cognitive processes, important theories and theorists, memory and human intelligence, stress and health, and psychological disorders and treatments.



247 CP SOCIOLOGY

Open to:	Juniors, Seniors <i>Recommended for Health Sciences, Education & Training; Hospitality & Tourism Pathways</i>
Prerequisite:	CP Honors World History or CP/AP U.S. History and teacher approval
Duration/Credit:	1 semester/½ credit
Level:	One

The study of human relationships allows students to discover the meaning behind behavior and society's impact on the individual. Students will participate in writing assignments, research projects, and real-life applications to better make the connection between themselves and society. As course registration is limited, the instructor reserves the right to qualify candidates for admission to the course based on grades and attendance record prior to the start of the semester.

BUSINESS

617 BUSINESS ETHICS & LAW

Open to:	<i>Recommended for Business Pathway; Elective for Sophomores Juniors and Seniors</i>
Prerequisite:	None
Duration/Credit:	1 semester/ ½ credit
Level:	Two

Debates, skits, simulations and learning about both the substance and the process of our legal system encompass both social and ethical issues studied in Business Law. This course will cover legal procedures, range of remedies, means of locating sources and methods of legal research, the use of precise legal language, and the formulation of legal arguments. Students create compelling arguments during case studies, debates amongst peers and mock trials.



HUMANITIES: WORLD LANGUAGE



Number	Course	Credit
514	Essentials of Spanish	1.00
515	CP Spanish I	1.00
517	Advanced Spanish I	1.00
525	CP Spanish II	1.00
526	Honors Spanish II	1.00
535	CP Spanish III	1.00
536	Honors Spanish III	1.00
546	CP Spanish IV	1.00
545	Honors Spanish IV	1.00
548	Honors Spanish V	1.00

514 ESSENTIALS OF SPANISH

Open to: Grades 9 & 10
 Prerequisite: None
 Duration/Credit: 1 year/1 credit
 Level: Two

This course introduces the student to the Spanish language and culture with a conversational approach that relies more on social interaction, movement and activities than on a rigorous study of grammar. This approach works best with students who learn by doing. Both group and individual activities are aimed at allowing the students to use their knowledge of Spanish in practical and social situations while developing an awareness of Spanish speaking cultures from around the world.

515 CP SPANISH I

Open to: All Students
 Prerequisite: None
 Duration/Credit: 1 year/1 credit
 Level: One

Spanish I introduces the student to the basic skills of listening, speaking, reading, and writing. Elementary grammatical concepts are presented along with an appreciation and awareness of the Hispanic cultures and the importance of language in our society.

517 ADVANCED SPANISH I

Open to: All Students
 Prerequisite: Background in basic Spanish vocabulary and grammar. Permission of instructor.
 Duration/Credit: 1 year/1 credit
 Level: One

This class is designed for students who already have a basic understanding of Spanish grammar and basic vocabulary. This course will include advanced coverage of Spanish I vocabulary and grammar concepts with a focus on the four skills of communication: reading, writing, speaking and listening. Students will increase their basic knowledge of the Spanish language, culture and civilization. This course is offered when demand is sufficient.



525 CP SPANISH II

Open to: All Students. Freshmen with teacher permission
 Prerequisite: Spanish I –Grade of 70 or better in Spanish I required
 Duration/Credit: 1 year/1 credit
 Level: One

Spanish II continues building on the fundamentals of Spanish I with more detail. Contemporary topics are treated and more advanced grammar is introduced. The study of Hispanic cultures is further explored, as is the importance of language skills in our society.



526 HONORS SPANISH II

Open to: All Students. Freshmen with teacher permission
 Prerequisite: Spanish I Honors, teacher recommendation
 Duration/Credit: 1 year/1 credit
 Level: Honors

Spanish II Honors is an accelerated level of Spanish II with increased emphasis on reading, writing, listening, and speaking skills. Conversation is emphasized along with writing skills. This course offers more challenging vocabulary, grammar information, and usage of Spanish in the classroom. Comprehensive skills are also taught at this level.



Jacob McDonald Grade 10

535 CP SPANISH III

Open to: Sophomores, Juniors, & Seniors
 Prerequisite: Grade of 70 or better in Spanish II
 Duration/Credit: 1 year/1 credit
 Level: One

Spanish III continues to emphasize the development of reading, writing, listening and speaking skills. Grammar is reviewed, and as much of the class as possible is carried out in Spanish. More intense grammatical structure is taught and used along with dialogues, conversations, civilization, and heritage. Emphasis is on appreciation as well as usage.

536 HONORS SPANISH III

Open to: Sophomores, Juniors, & Seniors
 Prerequisite: Spanish II, teacher recommendation
 Duration/Credit: 1 year/1 credit
 Level: Honors

Spanish III Honors is an accelerated course that will concentrate on extensive vocabulary building and detailed grammatical structures. Emphasis will be placed on listening and speaking skills as well as reading and writing. As much as possible the class will be conducted in Spanish.



546 CP SPANISH IV

Open to: Juniors & Seniors
 Prerequisite: Spanish III and teacher recommendation
 Duration/Credit: 1 year/1 credit
 Level: One

In Spanish IV the students will increase their knowledge and understanding of Spanish grammatical structures, develop a more extensive vocabulary and improve their ability to read, write, speak, and comprehend the language. Spanish and Latin American literature and history will also be studied.



Sagrada Familia; Barcelona, Spain

545 HONORS SPANISH IV

Open to: Juniors & Seniors
 Prerequisite: Spanish III and teacher recommendation
 Duration/Credit: 1 year/1 credit
 Level: Honors

Spanish IV Honors is an accelerated course aimed at improving the student’s oral, written and verbal skills. The students will develop a greater knowledge and use of Spanish vocabulary and complex grammatical structures. Literary selections from Spanish and Latin American authors will be studied. As much as possible this course is taught in Spanish.

548 HONORS SPANISH V

Open to: Juniors & Seniors
 Prerequisite: Spanish IV or Spanish IV Honors and teacher recommendation
 Duration/Credit: 1 year/1 credit
 Level: Honors

Spanish V is an intensive AP-style course aimed at improving reading, writing, listening, and speaking skills. Audio and video of authentic Spanish-speakers will be used to develop the students listening and speaking skills. Students will be asked to analyze news articles and other media under the topics of beauty and culture, world governments, science and technology, family life and communities, global challenges as well as contemporary life.

Griswold High School offers the Seal of Biliteracy for students who reach a language proficiency of Intermediate Mid in a world language by their senior year. Students may begin taking the AAPPL (ACTFL Assessment of Performance toward Proficiency in Languages) test in their junior year. This test demonstrates proficiency in the three modes of communication – interpersonal, interpretive and presentational. The Seal of Biliteracy will be affixed to the student’s diploma and will also be noted on their final transcript, which will be sent to colleges/universities. The seal is designed to enhance the student’s educational credentials and will not impact their graduation status.

The Seal of Biliteracy is an award given in recognition of students who have attained proficiency in two or more languages by high school graduation. The two academic requirements below must be met.

- 1. Students must complete all English language arts requirements for graduation.*
- 2. Student must demonstrate proficiency in a language other than English at a level comparable to Intermediate Mid on the ACTFL Proficiency Guidelines in a second language.*

HUMANITIES ELECTIVES

ART

HUMANITIES ELECTIVES: ART



Number	Course	Credit
900	Drawing I	.50
901	Drawing II	.50
903	Ceramics I	.50
906	Ceramics II	.50
907	Painting I	.50
908	Painting II	.50
940	Art History & Appreciation I	.50
941	Art History & Appreciation II	.50
945	Advanced Drawing	1.00



900 DRAWING I

Open to: All Students
 Prerequisite: None
 Duration/Credit: 1 semester/ ½ credit
 Level: Three

This course will deal with the investigation of the two-dimensional art form. Skills will build from one point perspective to observational drawing in pencil and ink. We will concentrate on line drawing. This course is designed for students with little or no previous drawing experience. Students must pass Drawing I in order to take additional art courses. Individual style will be greatly developed.



Cheyenne Zvingilas Grade 12

901 DRAWING II

Open to: All Students
 Prerequisite: Drawing I
 Duration/Credit: 1 semester/ ½ credit
 Level: Two

This course will expand on the concepts covered in the Drawing I course. The student will investigate wet and dry media, light and shade as it relates to form and proportion as it relates to more challenging subject matter.



903 CERAMICS I

Open to: Juniors, Seniors
 Prerequisite: Drawing I
 Duration/Credit: 1 semester/ ½ credit
 Level: Two

This course will cover a variety of hand-building techniques in the art of pottery. Pieces will be brought from raw clay through finished products. Strong emphasis will be on the individual's style as well as the mechanical aspects of clay work.

906 CERAMICS II

Open to: Juniors, Seniors
 Prerequisite: Pottery I
 Duration/Credit: 1 semester/ ½ credit
 Level: Two

This course is a continuation of the skills and concepts developed in Ceramics I with an emphasis on wheel throwing as well as individual style and aesthetic expression in clay. Alternative methods of surface decoration and glazing will be examined.

907 PAINTING I

Open to: Sophomores, Juniors, Seniors
 Prerequisite: Drawing I & II
 Duration/Credit: 1 semester/ ½ credit
 Level: One

This course is an investigation of materials and concepts that govern quality painting. Students will concentrate on acrylic painting techniques, color mixing, basic paint application, abstract design and realistic imagery. The student is expected to maintain a high level of self-motivation and productivity. Individual style will be greatly developed.



908 PAINTING II

Open to: Sophomores, Juniors, Seniors
 Prerequisite: Painting I
 Duration/Credit: 1 semester/ ½ credit
 Level: One

This course is a continuation of skills developed in Painting I. There will be a focus on composition and design as well as introduction of more difficult media such as watercolors and oil paint. Students will learn basic oil paint and watercolor techniques. Realism and contemporary art will be introduced.

940 ART HISTORY AND APPRECIATION I

Open to: Sophomores, Juniors, Seniors
 Prerequisite: Drawing I
 Duration/Credit: 1 semester/ ½ credit
 Level: One

This course is intended to introduce the student to the history and appreciation of art through a series of readings, lectures and hands-on projects that illustrate the important content and concepts for each unit of study. Course work and projects are designed for the artist and the non-artist and will combine basic studio disciplines with art historical periods. Students will learn the sequential processes of role of the artist, how art functions for a society, and significant artworks starting with the Ancient World and ending with the Renaissance.



941 ART HISTORY AND APPRECIATION II

Open to: Sophomores, Juniors, Seniors
 Prerequisite: Drawing I
 Duration/Credit: 1 semester/ ½ credit
 Level: One

This course is a continuation of the Art History and Appreciation I. The course follows the same format of lecture, readings, and related hands-on projects. This course is intended for the artist and the non-artist as a combination of basic studio disciplines with academic content. Students will study art of the Modern World starting with Post Renaissance Art and concentrating on the developments that have contributed to the art of our times.



Emily Kennerson Grade 10

945 ADVANCED DRAWING

Open to: Sophomores, Juniors, Seniors
 Prerequisite: Drawing I & II
 Duration/Credit: 1 year/ 1 credit
 Level: Honors

This course is intended for those students who have successfully completed Drawing I and II. Advanced Drawing will be an in-depth study of all principles that govern good drawing and enhance students to work successfully in a variety of aesthetic styles and media. An understanding of processes and theory that advance the understanding of the discipline of drawing will be introduced through a series of assignments, lectures, and readings so that students will develop an informed foundation for all drawing activities, discussions and critiques.



Gwen Latour Grade 12

HUMANITIES ELECTIVES FAMILY & CONSUMER SCIENCE

Grade Level	Number	FAMILY & CONSUMER SCIENCE	Credit
		EDUCATION & HUMAN SERVICES	
ANY	840	Child Growth and Development	.50
ANY	841	Teaching the Young Child	1.00
11, 12	842	Early Childhood Education (CCP)	1.00
11, 12	850	Intro. to Individual & Family Development (ECE)	1.00
	905	GRADS	.50
		FASHION DESIGN	
ANY	825	Fashion and Design	1.00
10, 11, 12	826	Advanced Fashion and Design	1.00



EDUCATION & HUMAN SERVICES

840 CHILD GROWTH AND DEVELOPMENT

Open to:	All students; <i>Required for the Education & Training Pathway</i>
Prerequisite:	None
Duration/Credit:	1 semester/ ½ credit
Level:	Three

The focus of this course is to study the development of children from conception to age three. Responsibilities necessary for parenthood as well as the development of attitudes and skills necessary for employment in the child-care field are stressed. Content covers developmental theories, pre-natal development of infants and toddlers, the physical, intellectual, social and emotional development of infants and toddlers, basic infant care, infant health and safety issues, nurturing toddlers, and positive guidance techniques. This introductory course to human development includes a RealCare baby parenting experience and training in infant CPR. This is an academic elective that prepares students for further courses in the Education and Human Services Pathway.

841 TEACHING THE YOUNG CHILD

Open to:	All Students; <i>Required for the Education & Training Pathway</i>
Prerequisite:	None
Duration/Credit:	1 year/ 1 credit
Level:	Three

The focus of this course is to study the development of children from three to five years of age. Throughout the course, the interrelationship between intellectual, social, emotional and physical development is stressed. Studies include the importance of play, guiding behavior, health and safety practices and how to plan developmentally appropriate learning activities for the different preschool curriculum areas. Students will apply textbook knowledge through observations and job shadows at the Griswold Child Development Center located at Griswold High School.

The spring semester will focus on preparing students to operate an in school child study laboratory (preschool). Units of study will include developing an appropriate environment that is healthy and safe, the scheduling of routines and the planning and implementing of lessons/activities for the major curriculum areas of early childhood education. Students will acquire necessary foundational work skills and techniques for guiding behavior and for effective observations. Students will explore career options in early childhood education and develop attitudes and skills necessary for effective parenting and employment in the child care field. This course is an academic elective that prepares students for the CT Statewide Career & Technical Assessment.

842 EARLY CHILDHOOD EDUCATION

Open to:	Juniors, Seniors
Prerequisite:	Successful completion of 841 or permission of instructor <i>Required for the Education & Training Pathway</i>
Duration/Credit:	1 year/ 1 credit
Level:	Honors

Introduction to Early Childhood Education introduces students to a study of the historical, anthropological, psychological, philosophical and social perspectives of early care and education, focusing on the study of child development from birth to eight years of age. The course acquaints students with trends in educational settings including the organization, history and governance of American schools. The course includes the study of child development, learning models, and the multiple roles in the early childhood education profession. Observations of early childhood programs will be required. ***Introduction to Early Childhood Education is a full year course that has been designed specifically to meet the requirements as outlined by Three Rivers Community College for credits in the College Career Pathway Program. College credit may be earned at Three Rivers Community College, if a grade of 75 or above is maintained.*** This course is an academic elective that prepares students for the CT Statewide Career & Technical Assessment.



905 GRADS

Open to:	All pregnant and parenting students
Prerequisite:	Pregnant or teen parent
Duration/Credit:	Course repeatable each year for credit
Level:	Three

GRADS is available to pregnant and parenting students, male and female. Students may enter the course anytime throughout the school year. Instruction focuses on prenatal and postnatal care, parenting, childcare and development, employment skill, communication, and self-esteem. Support and referrals in working with community agencies is offered.

Only offered when needed

850 INTRODUCTION TO INDIVIDUAL AND FAMILY DEVELOPMENT (ECE)

Open to: Juniors and Seniors.
 Recommended for students pursuing a career in education, nursing or family studies
Required for Education & Training Pathway

Prerequisite: B or better grade point average and teacher approval

Duration/Credit: 1 year/ 1 credit

Level: Advanced

Introduction to Individual and Family Development is designed for majors in human development and family studies as well as non-majors. The course is an introduction to the general study of human development conceptions through very old age. The course examines physical, intellectual, social and emotional growth across the life span, emphasizing that development results from the interdependence of these areas at every stage. The life span perspective of development is a means of understanding the challenges, conflicts and achievements that are central to people living through developmental stages other than our own. In particular, the course will focus on the developing individual within the context of the family system and the changes that occur in family systems over time. Given the sensitive nature of some of the topics presented in class, please be respectful of others' feelings and opinions. **A 40-hour internship is required.**

Students are responsible for completing the University of Connecticut, Early College Experience (ECE) registration form on-line and paying the program fee (billed in the fall). This course is equivalent to UCONN HDFS 1070.



FASHION DESIGN

825 FASHION AND DESIGN

Open to: All Students

Prerequisite: None

Duration/Credit: 1 year/ 1 credit

Level: Two

This course introduces students to the exciting world of fashion and design. The course provides a brief history of fashion as well as new technology and fashion innovations for the future. Course content includes the elements and principles of design, selecting textiles, consumer decision making, fashion trends and wardrobe planning. Sewing projects will showcase fundamental sewing techniques such as basic seams, casing, hems, buttonholes, and zippers. Beginner level projects will include pajama pants, zippered and drawstring bags, pillows and a student selected garment pattern. The overall aim of the course is for students to learn basic sewing skills to be able to sew independently. Students are required to provide the fabric and notions for all personal sewing projects.



826 ADVANCED FASHION AND DESIGN

Open to: Sophomores, Juniors and Seniors

Prerequisite: 825 Fashion & Costume Design

Duration/Credit: 1 year/ 1 credit

Level: One

The students in this course have successfully completed one year of Fashion and Design. Students will further their knowledge and skills in the area of fashion design and will work on building a portfolio. This course will aid in wardrobe planning and developing more advanced sewing construction techniques to be able to sew independently. Each project will be required to incorporate more advanced techniques such as (zippers, pockets, sleeves, darts, waistband, and different seam construction and seam finishes).

HUMANITIES ELECTIVES: MUSIC



Number	Course	Credit
909	Chorus	1.00
911	Concert Choir	1.00
916	Chamber Singers	1.00
910	Concert Band	1.00
938	Wind Ensemble	1.00
933	String Orchestra	1.00
918	Piano/Music Theory I	.50
932	Piano II/Music Theory II	.50
915	Guitar	.50
937	Guitar II	.50
939	Bass Guitar	.50
919	Musical Theater	.50
947	Music Production & Technology	.50



Hannah Bell Grade 10

909 CHORUS

Open to: All Students
 Prerequisite: **None**
 Duration/Credit: 1 year/1 credit
 Level: Three

Griswold High School chorus is a non-audition performing group specialized in mixed choral literature. Members of the chorus study music from the Renaissance to present. Proper vocal production and basic note reading techniques are emphasized. This choir will perform in English, Latin, French, and German. All freshmen must perform in this ensemble before being considered for concert or chamber choir. Classroom studies culminate in public concert.

911 CONCERT CHOIR

Open to: All Students
 Prerequisite: **Successful Audition**
 Duration/Credit: 1 year/1 credit
 Level: One

The Griswold High School Concert Choir is a performing group specializing in mixed chorus literature. Members of the Concert Choir study repertoire from the Baroque period up to the present day. Proper vocal production is studied and reinforced. Students learn literature in English, Latin, Italian, and German. Contemporary "POP" tunes are also included in class study. Daily rehearsal culminates in concert performances during the school year. Throughout the school year, the class will do an in-depth study of two specific composers. The students are responsible for submitting a research paper on each composer by the end of the school year. These papers may be on a topic of the student's choice and will be part of the final grade for the course.

916 CHAMBER SINGERS

Open to: All Students
 Prerequisite: **Successful Audition**
 Duration/Credit: 1 year/1 credit
 Level: Honors

The Griswold High School Chamber Singers is a select performing group specializing in accompanied and a cappella choral literature from the Renaissance to music of the present day. Students interested in being accepted into this ensemble must have sung for at least one year in the GHS Concert Choir. Students learn literature in English, Latin, Italian, and German. Sight reading skills are reinforced during the daily rehearsals. Members of the Chamber Singers are responsible for learning the same literature as the Concert Choir in addition to specific Chamber-Singers literature. Rehearsals culminate in concert performances during the school year.

910 CONCERT BAND

Open to: All Students
 Prerequisite: **None**
 Duration/Credit: 1 year/1 credit
 Level: One

Griswold High School Band is a non-audition performing group that specializes in various music styles from "classical" to "pop". The band performs three major concerts per year and performs in community parades, civic engagements, and performs at all home varsity football games. Band members may audition for Eastern Region, All-State, All New England, and other outside performing ensembles. Concert Band members are also eligible to participate in the Griswold High School Jazz Band and may be asked to perform with the Griswold High School Orchestra.

938 WIND ENSEMBLE

Open to: All Students
 Prerequisite: 1 year in Concert Band 910 and **successful audition**
 Duration/Credit: 1 year/1 credit
 Level: Honors

The Griswold High School Wind Ensemble is open to selected students who have attained a higher degree of musicianship and technique on their instrument. Membership is through successful audition with the director in May for the next school year. Members of this ensemble are eligible for membership in the GHS Jazz Band, will perform with the concert band and occasionally with the Griswold High School String Orchestra. Wind Ensemble performs three major concerts per year, aids in recruitment efforts throughout the community, performs in community parades, and performs at all home Varsity football games. Members of this ensemble are encouraged to audition for Eastern Region, All-State, All New England and any other outside performing ensemble.



933 STRING ORCHESTRA

Open to: All Students
 Prerequisite: Teacher recommendation
 Duration/Credit: 1 year/1 credit
 Level: One

Open to anyone who wishes to perform on string instruments of the orchestra. The music will be varied and appropriate to the playing level of the students. Students will be expected to perform at school functions and contribute to the regular concert performances.

918 PIANO I/ MUSIC THEORY I

Open to: All Students
 Prerequisite: **None**
 Duration/Credit: 1 semester/ ½ credit
 Level: Three

This course will provide sequential instruction in basic piano skills, as well as elementary theory utilizing age appropriate texts and materials. Students will learn how to read and write standard musical notations, construct chords, and improvise at the piano. At the conclusion of this course, students will be able to play at least Grade 1 piano literature in addition to self-composed pieces.



932 PIANO II / MUSIC THEORY II

Open to: All Students
 Prerequisite: Piano I *or* **Teacher recommendation**
 Duration/Credit: 1 semester/ ½ credit
 Level: Two

This course will provide sequential instruction in intermediate piano skills, music theory, and music technology utilizing age-appropriate texts and materials. Students will continue to read and write standard musical notation, continue advanced improvisations on the piano, and utilize midi and digital technology. At the conclusion of the course, students will be able to play at least grade II piano literature, self-composed pieces, and use the piano to create midi sequences.

915 GUITAR I

Open to: All Students
 Prerequisite: **None**
 Duration/Credit: 1 semester/ ½ credit
 Level: Three

Open to anyone who wishes to learn to play guitar. The school will provide the instrument, and instruction will be given in a group. Instruction will be geared to the practical approach, teaching the students the basic fundamentals, allowing students to continue and eventually be able to accompany and perform on the instrument.

937 GUITAR II

Open to: All Students
 Prerequisite: **Guitar I**
 Duration/Credit: 1 semester/ ½ credit
 Level: Two

The student will cover basic topics that concern the intermediate and/or the advanced player including but not limited to: alternate tuning; solo styles; lead riffs; music theory; scale study; electric guitar; amplifier study; and perform a wide variety of music genres.



939 BASS GUITAR

Open to: All Students
 Prerequisite: Students must provide their own bass guitar
 Duration/Credit: 1 semester/ ½ credit
 Level: Three

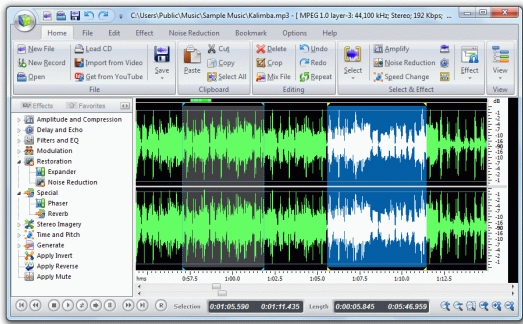
This Bass Guitar course is designed to give the beginning bass player a solid foundation of the basics of performance. The student will learn topics that will include but not be limited to: alternate tuning; solo styles; music reading; tablature (TAB); jazz lines; lead lines; music theory; scale study; amplifier study; and will perform a wide variety of genres.

(only offered with sufficient student interest)

919 MUSICAL THEATER

Open to: All Students
 Prerequisite: **None**
 Duration/Credit: 1 semester/ ½ credit
 Level: Three

This course will survey the history of musical theater and will allow the students to investigate the various aspects of musical stage productions. These will include choruses, blocking, choreography, set design, lighting, costuming, and makeup. Students will attend a professionally staged performance. Students will prepare and present a children’s musical as part of a final grade.



947 MUSIC PRODUCTION & TECHNOLOGY

Open to: All Students
 Prerequisite: **None**
 Duration/Credit: 1 semester/½ credit
 Level: Two

Music Production will explore the use of technology in music production. Students will compose, arrange and digitally record songs, mixes and original musical materials. Students will learn to alter and master previously recorded material into a finished product. Class projects will include a class CD of the semester’s projects and mastering the live concerts that are held at GHS.

Class cap: 10



HUMANITIES ELECTIVES

TECHNOLOGY

Grade Level	Number	TECHNOLOGY	Credit
		Media Technology & Communications	
9	727	Basic Photography	.50
9	715	Exploratory Graphic Communications	.50
10	729	Digital Imaging	.50
10	719	Multimedia Communications & Art	.50
12	730	Advanced Studies in Photography	1.00
10, 11, 12	717	Video Production	.50
10, 11, 12	716	Production Graphics	.50



Media Technology & Communication

727 BASIC PHOTOGRAPHY

Open to: All Students
 Prerequisite: None; *Required for Digital Communications Pathway*
 Duration/Credit: 1 semester/ ½ credit
 Level: Three

This course is designed to provide students with basic theory and technical skills in chemical process black and white photography. Students will study the technical aspects of photography working with manual and automatic exposure 35mm SLR cameras and photographic equipment. Topics include manual exposure control, depth of field, photographing action subjects, pictorial composition, lighting, developing, printing, mounting, and display. Students will be encouraged to develop artistic expression through the use of photography medium. This is a project-oriented course requiring students to complete a number of technical projects with specific requirements. Cameras, equipment, and some chemical process photographic materials are supplied. Students may need to supply extra film and/or B&W photo paper.



715 EXPLORATORY GRAPHIC COMMUNICATIONS

Open to: All Students
 Prerequisite: None; *Required for Digital Communications Pathway*
 Duration/Credit: 1 semester/ ½ credit
 Level: Three

Exploratory Graphic Communications provides students with a fundamental knowledge of the graphic communications industry. Students in this course will develop occupational skills through a variety of hands-on experiences that require them to produce a number of print media projects. Some of the topics studied include graphic design principles, sketching techniques, digital art preparation, elements of art, and basic page layout methods for publishing. Students will work with industry standard software, specialized tools, scanners, and digital cameras.

729 DIGITAL IMAGING

Open to: Sophomores, Juniors, Seniors
 Prerequisite: 727 Basic Photography
Required for Digital Communications Pathway
 Duration/Credit: 1 semester/ ½ credit
 Level: Two

This course introduces students to the concepts, tools and technologies of digital imaging for commercial and/or fine art applications. Students will develop competence in the use of digital cameras, scanners, software, storage devices and printers to produce digital images to satisfy the requirements of a series of assignments designed to develop specific skills and competencies. Images will be “captured” and manipulated using *Adobe Photoshop* for print-based and Web-based reproduction and to stimulate the student’s creative capacities for personal expression. Digital cameras and photo paper will be supplied.

719 MULTIMEDIA COMMUNICATIONS AND ART

Open to: Sophomores, Juniors, Seniors
 Prerequisite: Exploratory Graphics 715
Required for Digital Communications Pathway
 Duration/Credit: 1 semester/ ½ credit
 Level: Two

This is a project-based course for the highly motivated student who is interested in multimedia communications, 2D and 3D animation, and basic web page design. The primary focus of this course is on digital arts development and application of computer technology to produce interactive presentations. Students will work with industry standard software and digital imaging technology to create professional quality multimedia presentations, animations, and web pages that incorporate text, digital photographs, sound, and animation. Students in this course will be required to conceive and produce several multimedia presentations and an interactive web page.



730 ADVANCED STUDIES IN PHOTOGRAPHY

Open to: Sophomores, Juniors and Seniors
 Prerequisite: 727 Basic Photography
Required for Digital Communications Pathway
 Duration/Credit: 1 year/1credit
 Level: Two

Prior successful completion of Basic Photography is required. This course will continue to instruct students in more advanced fundamentals of photography and will broaden the students' technical skills and aesthetic knowledge. Technical areas will cover advanced SLR and Digital SLR camera and darkroom techniques, chemical processes, lighting, and digital imaging. Students will be introduced to the art of the digital darkroom using Adobe Photoshop and Bridge software. Students will begin to develop a digital portfolio of their work each quarter. Owning a SLR or DSLR camera is encouraged but not required. A SD or CF memory card is required for this course. Cameras, equipment, and some chemical process photographic materials are supplied. Students may need to supply extra film and/or B&W photo paper.



716 PRODUCTION GRAPHICS

Open to: Sophomores, Juniors, Seniors
 Prerequisite: Exploratory Graphics 715 & Digital Imaging 729
Recommended for Digital Communications Pathway
 Duration/Credit: 1 semester/½ credit
 Level: Two

This course focuses on the production of graphic communications products. Students in this course will study advanced page layout techniques, desktop publishing methods, and modern print production technology. Experiences include basic digital pre-flighting, digital printing, bindery, finishing, screen printing, and heat transfer printing. Each student will become involved in all phases of designing and producing the promotional media for the spring drama production and have the opportunity to design and screen print t-shirts and other garments.



717 VIDEO PRODUCTION

Open to: All Students
 Prerequisite: None
Recommended for Digital Communications Pathway
 Duration/Credit: 1 semester/ ½ credit
 Level: Three

This course is designed to provide students with practical video production experience for home, school or professional applications. While creating short hands-on productions in the studio and field as individuals and in groups, students will learn industry terminology, crew production assignments and job responsibilities. Students will also develop technical, critical thinking, decision making, project management, and leadership skills. Lectures, class discussions, viewing and listening to audio and video recordings will also be covered.

STEM: SCIENCE, TECHNOLOGY, ENGINEERING, & MATH

- MATH
- SCIENCE
- TECHNOLOGY
- ELECTIVES
 - BUSINESS
 - F&CS: CULINARY
 - HEALTH SCIENCES
 - TECHNOLOGY



Creative Teaching Press



Number	Course	Credit
314	Essentials of Algebra I	1.00
305	CP Algebra I	1.00
324	Essentials of Geometry	1.00
321	CP Geometry	1.00
319	Honors Geometry	1.00
335	Essentials of Algebra II	1.00
334	CP Algebra II (CCP)	1.00
330	Honors Algebra II (CCP)	1.00
343	CP Pre-Calculus	1.00
340	Honors Pre-Calculus	1.00
342	CP College Algebra	1.00
338	Algebra Concepts & Skills	1.00
346	Probability & Statistics	1.00
345	Honors Calculus	1.00
344	AP Calculus AB (AP)	1.00
394	AP Calculus BC (AP)	1.00
391	AP Statistics (AP) **NEW**	1.00
320	Linear Algebra	.50
336	SAT Prep (Elective credit only)	.50

HONORS PROGRAM

This program was established for selected students gifted in math. It allows students to study calculus or beyond in their senior year. This is a select program for freshmen who were accelerated in math in the eighth grade. Acceptance into this program is based on teachers recommendation, scores on the final Algebra I or Geometry assessment and overall academic performance.

An 85 average or higher or teacher recommendation is needed to remain in the honors program.

314 ESSENTIALS OF ALGEBRA I

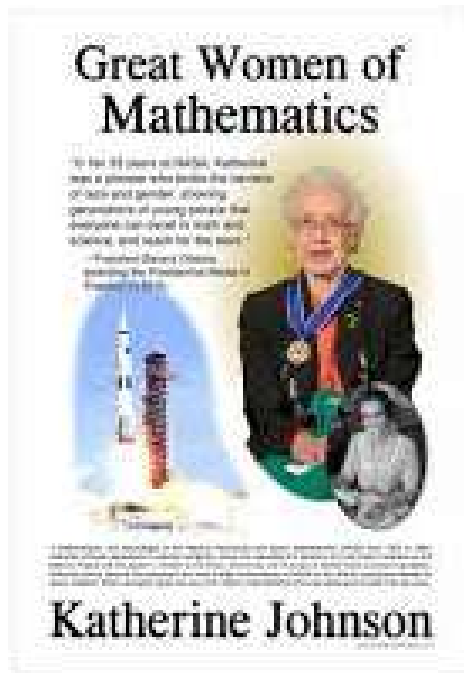
Open to:	Freshmen
Prerequisite:	8th grade teacher recommendation
Duration/Credit	1 year
Level:	Two

This course is designed for students who wish to gain knowledge of algebra but at a slower pace than CP Algebra 1. This course will build from student performance expectations for grade 8 and will provide the foundation for successive years. Key elements include a focus on student engagement, Vision of the Graduate skills, and rigorous and engaging content. Units include: patterns, linear equations and inequalities, and functions. If time permits, there will be an introduction to linear functions. Each unit includes investigations, performance tasks, and assessments.

305 CP ALGEBRA I

Open to:	Freshman
Prerequisite:	8th grade teacher recommendation
Duration/Credit	1 year/1credit
Level:	One

This course will build from student performance expectations for grade 8 and will provide the foundation for successive years. Key elements include a focus on student engagement, Vision of the Graduate skills, and rigorous and engaging content. Units include: patterns, linear equations and inequalities, functions, linear functions, scatter plots and trend lines, and systems of linear equations. If time permits, there will be an introduction to exponential functions. Each unit includes investigations, performance tasks, and assessments.

**324 ESSENTIALS OF GEOMETRY**

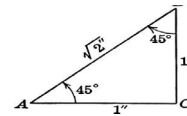
Open to :	Sophomores/Juniors
Prerequisite:	Essentials of Algebra I or CP Algebra I
Duration/Credit:	1 year/1 credit
Level:	Two

This is a course in plane & solid geometry, which emphasizes an intuitive understanding of basic geometric figures, relationships, and formulas as necessary to solve practical problems. Students work at a slower pace with individualized teacher assistance. Students in this course will start to prepare for the SAT's.

321 CP GEOMETRY

Open to:	Freshmen/Sophomores
Prerequisite:	305 CP Algebra I or 8th grade Algebra I with an 80 & pass the final with an 80 or higher.
Duration/Credit:	1 year/1 credit
Level:	One

This course will introduce students to logical reasoning through mathematical proofs using geometric postulates and theorems. Students will explore properties of two and three-dimensional mathematics including lines, triangles, quadrilaterals, polygons and solids. Students in this course will start to prepare for the SAT's. Students registered to take this course will be given summer work at the end of Algebra 1. This work must be completed prior to the first day of class.

**319 HONORS GEOMETRY**

Open to:	Freshman
Prerequisite:	Must have at least a 90 in grade 8 Algebra 1 & pass the Algebra 1 final with an 80 or higher or teacher recommendation.
Duration/Credit:	1 year/1 credit
Level:	Honors

This accelerated course is the first in the honors math sequence, and will lead to Calculus. Students will learn how to reason logically through mathematical proofs using geometric postulates and theorems. Critical thinking and insightful mathematical discussion will be encouraged. Students will explore properties of two-dimensional and three-dimensional mathematics. Students in this course will start to prepare for the PSAT/SAT test. Students registered to take this course will be given summer work at the end of Algebra 1. This work must be completed prior to the first day of class.

335 ESSENTIALS OF ALGEBRA II

Open to:	Juniors/Seniors
Prerequisite:	321 CP Geometry or 324 Essentials of Geometry
Duration/Credit:	1 year/1 credit
Level:	Two

This course is designed for students who wish to further their knowledge of algebra. Students will learn how to master algebraic concepts at a slower pace with individualized teacher assistance. Students in this course are preparing for SAT's.

334 CP ALGEBRA II

Open to:	Sophomores/Juniors
Prerequisite:	321 CP Geometry or 319 Honors Geometry
Duration/Credit:	1 year/1 credit
Level:	One

This course will provide students with the opportunity to broaden their knowledge of algebra. Students will learn how to master essential math concepts and take part in relevant problem solving. Students are given the opportunity daily to improve their critical thinking skills, their ability to solve problems, and their mathematical insight. Students registered to take this course will be given summer work at the end of Geometry. This work must be completed prior to the first day of class. Students in this course are preparing for SAT's.

** College Career Pathways students who earn a 73 or better in 334 & complete the CCP application will receive college credit for MAT*K137 Intermediate Algebra.*

330 HONORS ALGEBRA II

Open to:	Freshmen & Sophomores
Prerequisite:	319 Geometry Honors with at least an 85
Duration/Credit:	1 year/1 credit
Level:	Honors

This accelerated course is second in the honors math sequence, and will lead to Calculus. Students will learn how to master second year algebra concepts, and take part in relevant problem solving. Students will be given ample opportunities to improve their critical thinking skills, their ability to solve problems, and their mathematical insight. In-depth mathematical discussions will be prompted and encouraged. Quarterly portfolio compilations, consisting of challenging and enrichment problems, will be completed. Students registered to take this course will be given summer work at the end of Honors Geometry. This work must be completed prior to the first day of class. Students in this course are preparing for SAT's.

** College Career Pathways students who earn a 73 or better in 330 and complete the CCP application will receive college credit for MAT*K137 Intermediate Algebra*

343 CP PRE-CALCULUS


Open to:	Juniors & Seniors
Prerequisite:	334 CP Algebra II with an 80 or 330 Honors Algebra II
Duration/Credit:	1 year/1 credit
Level:	One

In this course students study various functions and their graphs. Students will analyze, interpret, and recognize patterns of data using a graphing calculator. Topics in algebra and trigonometry are used throughout the course to illustrate concepts used in calculus. Students registered to take this course will be given summer work at the end of Algebra 2. This work must be completed prior to the first day of class. Students in this course are preparing for SAT's.

The Quadratic Formula ...

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

For Quadratic Equations
 $ax^2 + bx + c = 0$



340 HONORS PRE-CALCULUS

Open to:	Juniors / Seniors
Prerequisite:	330 Honors Algebra II with an 85 or higher final average
Duration/Credit:	1 year/1 credit
Level:	Honors

In this course students study various functions and their graphs. Students will analyze, interpret, and recognize patterns of data using a graphing calculator. Topics in algebra and trigonometry are used throughout the course to illustrate concepts used in calculus. Enrichment problems are included in this course to challenge students. Students registered to take this course will be given summer work at the end of Honors Algebra 2. This work must be completed prior to the first day of class. Students in this course are preparing for SAT's.

338 ALGEBRA CONCEPTS & SKILLS

Open to:	Seniors
Prerequisite:	335 Essentials of Algebra 2
Duration/Credit:	1 year/1 credit
Level:	Two

This course provides review encompassing elements taught to students in their two or three previous years of mathematical studies. It is an ideal course for students who need a solid understanding of algebra but might not proceed to upper level math courses. It is intended as a bridge to post-secondary education and training. Math SAT problems and skills will also be included.

342 CP COLLEGE ALGEBRA

Open to:	Seniors
Prerequisite:	334 CP Algebra 2
Duration/Credit:	1 year/1 credit
Level:	One

This course will build from student performance expectations for grade 12 and will provide the foundation for successive years. Key elements include a focus on student engagement, Vision of the Graduate Skills, and rigorous and engaging content. Units include: patterns, linear equations and inequalities, functions, linear functions, systems of linear equations, quadratics, polynomial functions, exponential and logarithmic functions, and rational equations and functions. Each unit includes investigations, performance tasks, and assessments

336 SAT MATH PREP

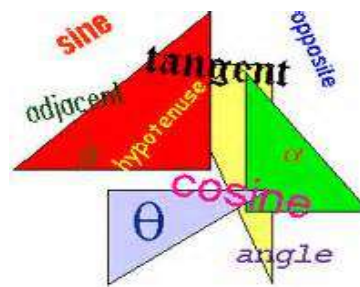
Open to:	Juniors
Prerequisite:	None
Duration/Credit:	1 semester/1/2 credit
Level:	Two

This course is intended for the serious college-bound student taking the SAT and **is not a credit toward the 3 math credits for graduation**. Students will be provided a complete review of the topics covered in the mathematics portion of the SAT. Students will gather mathematical insights, shortcuts, strategies, and critical thinking skills needed to be prepared for the test.

**320 LINEAR ALGEBRA**

Open to:	Seniors
Prerequisite:	334 CP Algebra II with an 80 or higher
Duration/Credit:	1 semester/1/2 credit
Level:	One

Linear algebra is both an important branch of pure mathematics as well as a fundamental component of many important mathematical applications, spanning the fields of finance, cryptography, stochastic processes, web search, and image processing. The course will cover the basic elements of a college-level Introduction to Linear Algebra, including: matrix algebra; determinants; elementary vector spaces; and characteristic equations and eigen values.

**346 PROBABILITY AND STATISTICS**

Open to:	Seniors
Prerequisite:	334 CP Algebra II & Teacher Recommendation
Duration/Credit:	1 year/1 credit
Level:	One

This course is intended to provide students with an understanding of data gathering and statistical analysis. Students will interpret statistical models, including graphs, charts, tables, and lists. Students will also work with probability: relating experimental and theoretical. This course is valuable for all students and applies to a variety of different career options.



Sierra Gray Grade 12



391 AP STATISTICS

Open to:	Seniors
Prerequisite:	85 or higher in CP Algebra II OR 80 or higher in any course above CP Algebra II
Duration/Credit:	1 year/1 credit
Level:	Advanced

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

345 HONORS CALCULUS

Open to:	Seniors
Prerequisite:	343 OR 340 Pre-Calculus with teacher recommendation
Duration/Credit:	1 year/1 credit
Level:	Honors

This course is equivalent to the typical level Calculus 1 course. The course begins with a review of algebra needed for calculus, functions, graphs, and limits. Topics include the definition of the derivative, techniques for determining the derivative, including the general power rule, product and quotient rules, chain rule, and implicit differentiation. Functions used include: polynomial, rational, trigonometric, radical, exponential, and logarithmic. Applications involve related rates, optimization, and graph analysis. Students registered to take this course will be given summer work that must be completed prior to the first day of class.

344 AP CALCULUS AB

Open to:	Juniors & Seniors
Prerequisite:	340 Honors Pre-Calculus
Duration/Credit:	1 year/1 credit
Level:	Advanced

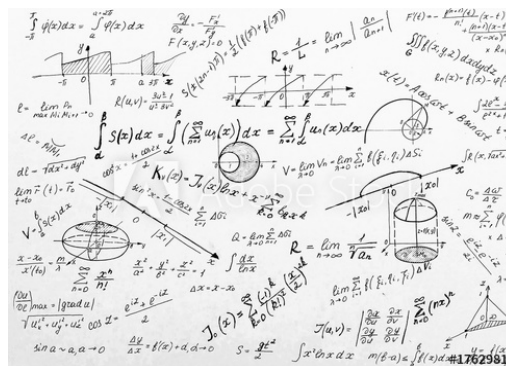
This course is the culmination of all the students' mathematical studies and the beginning of their studies of mathematics as it applies to the world around us. Calculus is the mathematics of motion and change. It is the transition from discrete applications to those that are continuous. Topics covered include limits, derivatives and integrals, mathematical modeling, and the use of the graphing calculator. Students in this course are expected to take the Advanced Placement Calculus Exam in May (at their expense). Summer work is required & must be completed prior to the first day of class.

394 AP CALCULUS BC

Open to:	Seniors
Prerequisite:	345 Honors Calculus or 344 AP Calculus AB
Duration/Credit:	1 year/1 credit
Level:	Advanced

This is a continuation of the calculus material learned in the honors or AB courses. The beginning of the year is focused on briefly revisiting limits and derivatives and quickly moves on to the foundations of integral calculus, including applications of derivatives and integrals. Students will then move into the field of series and sequences and work with Maclauen and Taylor polynomials. The course is intended to culminate with the AP exam in May for which a student may earn college credit for Calculus I and II. Students will receive a subscore for the AB portion of the exam and may receive college credit for Calculus I based on their subscore.

(course will only be offered with sufficient student interest)

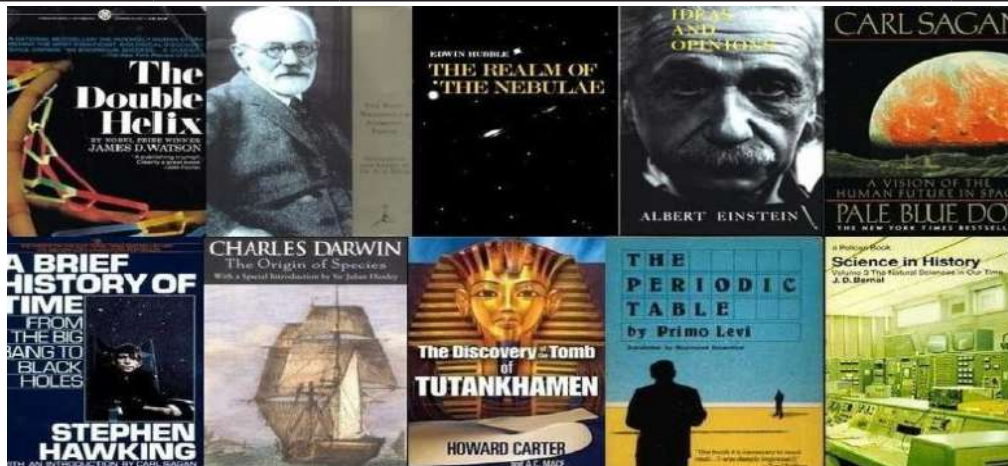


STEM: SCIENCE



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Grade	Number	Course	Credit
9	414	General Earth & Space Science	1.00
9	413	CP Earth & Space Science	1.00
9	412	Honors Earth & Space Science	1.00
10	421	General Biology	1.00
10	420	CP Biology	1.00
10	424	Honors Biology	1.00
11	431	Community Chemistry	1.00
11/12	438	Environmental Studies	1.00
11	430	CP Chemistry	1.00
11	437	Honors Chemistry	1.00
12	441	CP Physics	1.00
12	440	Honors Physics	1.00
12	459	Advanced Physics (AP/ECE)	1.00
		Science Elective:	
10/11/12	398	AP Mobile Computer Science Principles (AP)	1.00
		Health Science Electives:	
11/12	443	Advanced Biology (AP/ECE)	1.00
12	456	H Anatomy & Physiology (CCP Human Biology)	1.00
12	432	CP Anatomy & Physiology	1.00
11/12	439	Microbiology (1/2)	.50



(414, 413 or 412 REQUIRED FOR GRADUATION)
414 GENERAL EARTH & SPACE SCIENCE

Open to:	Freshman
Prerequisite:	None
Duration/Credit:	1 year/1 credit
Level:	Three

This full-year course focuses on Earth & Space Science and integrates introductory Physics and Chemistry concepts. The Next Generation Science Standards (NGSS) will guide the year's content as we explore the vastness of the universe as well as our planet's history, external and internal processes, climate, and humans' impact. We will explore a variety of observable phenomena in our world, including: star and solar system formation, plate tectonics, weathering and erosion, and climate change. Students will immerse themselves in real world issues when using models, performing investigations, analyzing data, and engaging in evidence based debates as they become accustomed to the engineering design process.

This General course will expose students to major global issues along with the awareness of how science and technology can provide solutions. Students will learn how to develop critical thinking and problem solving skills when engaged in lab simulations and class investigations. Students will be held accountable for taking their studies seriously by demonstrating academic effort and responsibility.

413 CP EARTH & SPACE SCIENCE

Open to:	Freshmen
Prerequisite:	None
Duration/Credit:	1 year/1 credit
Level:	One

This full-year course focuses on Earth & Space Science and integrates introductory Physics and Chemistry concepts. The Next Generation Science Standards (NGSS) will guide the year's content as we explore the vastness of the universe as well as our planet's history, external and internal processes, climate, and human impact. We will explore a variety of observable phenomena in our world, including: star and solar system formation, plate tectonics, weathering and erosion, and climate change. Students will immerse themselves in real world issues when using models, performing investigations, analyzing data, and engaging in evidence based debates as they become accustomed to the engineering design process.

This CP course will expose students to major global issues along with the awareness of how science and technology can provide solutions. Students will be required to approve upon their critical thinking and problem solving skills when engaged in lab simulations and class investigations.

As this is college preparatory course, students will be held to a standard that includes taking their studies seriously by demonstrating academic effort and responsibility. Students should have a foundation in math skills (including the metric system) and the scientific method.

412 HONORS EARTH & SPACE SCIENCE

Open to:	Freshman
Prerequisite:	Teacher recommendation and Algebra I Proficiency
Duration/Credit:	1 year/1 credit
Level:	Honors

This full-year course focuses on Earth & Space Science and integrates introductory Physics and Chemistry concepts. The Next Generation Science Standards (NGSS) will guide the year's content as we explore the vastness of the universe as well as our planet's history, external and internal processes, climate, and human impact. We will explore a variety of observable phenomena in our world, including: star and solar system formation, plate tectonics, weathering and erosion, and climate change. Students will immerse themselves in real world applications when using models, performing investigations, analyzing data, and engaging in evidence based debates as they become accustomed to the engineering design process.

This Honors course will expose students to major global issues along with the awareness of how science and technology can provide solutions. Students will be required to demonstrate critical thinking and problem solving skills when engaged in complex, multi-step problems, lab simulations and field investigations.

Students must be highly motivated and serious in their academic studies, as they will be held to a higher standard of rigor and responsibility. The content will be delivered at a faster pace and in greater depth to prepare students who intend on taking college-level courses in the future. Requirements for this course include a strong foundation in math skills (including the metric system) and the scientific method.



CHEMISTRY

**(431, 438, 430 or 437 REQUIRED FOR GRADUATION)
431 COMMUNITY CHEMISTRY**

Open to: Juniors & Seniors
Prerequisite: Biology (420, 421 or 424)
Duration/Credit: 1 year/1 credit
Level: Two

This science stresses the basic concepts of chemistry and how they apply to the world around us. Although the course is concept based, a strong background in Algebra will be needed. The course will focus around the following units: Introductory science, water and solutions, materials and their usage, petroleum, the chemistry of air, industry and applying chemical reactions, nuclear interactions, and food and energy. Case studies and student projects are included in this course.

438 ENVIRONMENTAL STUDIES

Open to: Juniors & Seniors
Prerequisite: Biology (420, 421 or 424)
Duration/Credit: 1 year/1 credit
Level: Three

This course will cover environmental issues and ecological concepts that affect the world in which we live today. During this course, students will study the most pressing issues of our times. Topics include: atmospheric chemistry, air pollution, biodiversity, climate change, energy, water chemistry and water pollution, toxicology, agriculture and soils, and waste disposal. Considerable time is spent outdoors, in a lab setting, or working in groups. This course aims for students to leave with an understanding the interrelationships of the natural world. All students who take this course are expected to demonstrate an understanding of all topics through successful completion of various assessments, homework assignments, and out-of-class research projects.



"Not in a million years did I think the discovery of this liquid solution would save thousands of lives."

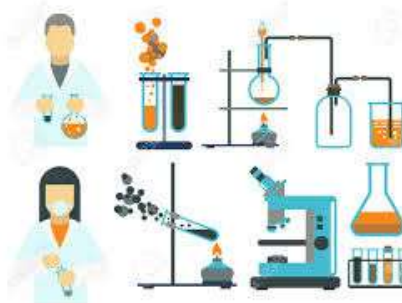
**Stephanie Kwolek, American chemist:
Another "mother" of invention.**

Women Without Kids Making a Difference: [facebook.com/CMomaCommunity](https://www.facebook.com/CMomaCommunity)

430 CP CHEMISTRY

Open to: Juniors
Prerequisite: CP or Honors Physical Science
AND CP Algebra I
Duration/Credit: 1 year/1 credit
Level: One

A full-year, college preparatory lab course that stresses theoretical fundamentals and application of physical principles in the understanding of matter and the changes that it undergoes. Emphasis is placed on basic concepts such as those involved in atomic and molecular structure, bonding, chemical interactions, chemical quantities and stoichiometry, the kinetic molecular theory and gas laws, solutions, reaction rates, equilibrium, and nuclear reactions.



437 HONORS CHEMISTRY

Open to: Juniors (Sophomores with Teacher Recommendation)
Prerequisite: Honors or CP Physical Science, Honors/CP Biology AND 90 or above in Algebra I
Duration/Credit: 1 year/1 credit
Level: Honors

An advanced, introductory chemistry course which is comprehensive as well as relevant. It is designed for the independent, highly-motivated student who plans on furthering their studies in science, and is willing to put forth extra effort to learn the subject in greater depth. The content includes matter and change, measurements and significant figures, thermodynamics, atomic theory, covalent bonding and introductory organic chemistry, bonding and nomenclature, chemical quantities and the "mole", chemical equations and reactions, stoichiometry, solutions, acids/bases and titrations, the kinetic molecular theory and gas laws, redox reactions and electrochemistry, reaction rates, chemical equilibrium, and nuclear chemistry. As this is an honors course, students will be held to a higher standard. They will be required to go beyond general understanding and will be expected to demonstrate critical-thinking and problem-solving skills in solving complex, multi-step problems and laboratory activities.

PHYSICS

441 CP PHYSICS

Open to:	Seniors (& Juniors who meet prerequisites)
Prerequisite:	Honors or CP Algebra II Precalculus Preferred
Duration/Credit:	1 year/1 credit
Level:	One

This course is designed to provide a deeper understanding of the physical realm around you. Students who are entering college who are looking to major in any Health/Medicine, Engineering / Natural Science or Math field should strongly consider taking this course. Physics provides the foundation knowledge that all science stems from; from interactions on the particle/molecular level, to how Forces play a part of our everyday life. Learn about the giants of men who have paved the way for all the technologies we enjoy today. From Newton to Tesla, Einstein to Hawking, these gentlemen allowed for many technological marvels to be possible today. Learn how Energy is the foundation to all things we know and learn how the planets move throughout space. Understand wave phenomena and how it applies to the oceans, sound, and light itself. You will also learn how basic circuits work and how electricity and magnetism affect our everyday life. You will utilize your mathematical skills and stretch your problem solving ability to its limits. Hands on and thought experiments will be conducted throughout the course of the year. Students will also need to conduct outside research and write follow up reports based on their findings.

440 HONORS PHYSICS

Open to:	Seniors (and Juniors who meet prerequisites)
Prerequisite:	Pre-Calculus, Honors Chemistry and teacher recommendation
Duration/Credit:	1 year/1 credit
Level:	Honors

From ancient philosophers like Archimedes to giants such as Newton and Tesla, this course is designed to cover not only physical concepts, but to stress the ever changing world around you. Learn how and why physics is the foundation of everything that can be within the physical realm. Develop a further understanding of concepts using critical analysis and outside the box thinking. Hone your skills in problem solving using a hands on approach and stretch your mind utilizing thought experiments. This course will stress the applied side of mathematics and show how these techniques relate to the real world.

This course will cover specific areas involving: Newton's Laws, Planetary Motion, Work and Energy, Momentum, Fluids, Waves, Light/Optics, Electricity and Magnetism, and Nuclear/Particle Physics. Research and follow up reports will be covered in this class. Students who are entering the fields of Engineering, Math, Natural Science, or any field in Health/Medicine in college should strongly consider taking this course.

459 ADVANCED PHYSICS

Open to:	Seniors (or Juniors who meet prerequisites)
Prerequisite:	Pre-Calculus (343 or 340), Honors Chemistry (437) & teacher recommendation or CP Chemistry (430) & Physics teacher recommendation
Duration/Credit:	1 year/1 credit
Level:	Advanced

The course is comprehensive in the field of physics and is comparable to that which is taught at the freshman level in college. Students are imbued with the following knowledge of: Newton's Laws, Forces, Energy / Work, Sound, and Electric Circuits. This class is designed to test the will and problem solving ability of all individuals through qualitative and quantitative reasoning. Experimental investigation and thought experiments play a crucial role in understanding the physical world around you. Students will also be required to conduct research on numerous physical topics and write college style research papers in response to their findings. Long term projects, oral presentations and follow up work are also par for the course. Approximately 1 hour of study time will be required for homework outside of school for every class period that is met throughout the week.

A successful completion of the course will potentially earn FOUR college credits for students registered with the ECE Physics Program (1201Q) or prepare students to take the AP Physics Exam in May through the College Board (at their expense). Students must choose one of these options (and may choose both).



398 AP MOBILE COMPUTER SCIENCE PRINCIPLES

Open to:	Seniors, Juniors (and Sophomores who meet prerequisite)
Prerequisite:	Algebra 1, and completion of Freshman year
Duration/Credit	1 year/ 1 credit
Level:	Honors with Advanced Placement Option

Do you enjoy downloading applications onto your tablet or smartphone? Have you ever considered what it would be like to make your own application, and install it onto your device? Well now you can. Mobile Computer Science Principles is a course designed to teach students how to be a computer programmer. Using MIT's App Inventor platform, students will begin a yearlong course learning how to computer code. This course is designed to teach students to understand the logic of how computer programs work. From creating conditional if/else statements, loops, Boolean logic, using data base architecture, and external media, all concepts of programming will be introduced. The goal throughout the class will be to incrementally work on new units, while using information learned from previous classes. By the end of year, you will be able to create robust programs that you can download straight to your device. Video games, Social media applications, GPS applications, quiz tutorials, etc... These are just a few of the possibilities that anyone can make. Your limit is your own creativity. This class relies on group work and pair sharing. You will be working in groups of 2 or more at least 60% of the designated class time.



HEALTH SCIENCE ELECTIVES

443 ADVANCED BIOLOGY (AP/ECE)

Open to:	Juniors and Seniors
Prerequisite:	Honors/CP Biology (420,424)
Duration/Credit:	1 year/ 1 Credit
Level:	Advanced

The AP/ECE Biology course is equivalent to a college Introductory Biology course. Twenty-five percent of the instructional time will be spent doing hands-on laboratory work. This hands-on work will allow students to emphasize on inquiry-based investigations, and provide students with opportunities to apply scientific practices. During this course, students spend less time on factual recall and more time on inquiry-based learning of essential biological concepts. Students will develop inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and justifying arguments using evidence. The result will be readiness for the study of advanced topics in subsequent college courses.

The foundation of the course are the four big ideas, which allow students to create meaningful connections among course concepts. The four big ideas are EVOLUTION (EVO), GENETICS (ENE), INFORMATION STORAGE AND TRANSMISSION (IST), and SYSTEMS INTERACTIONS (SYI). (EVO) The process of evolution drives the diversity and unity of life. Evolution is a change in the genetic makeup of a population over time, with natural selection as its major driving mechanism. (ENE) Biological systems use energy and molecular building blocks to grow, reproduce, and maintain dynamic homeostasis. (IST) Living systems store, retrieve, transmit, and respond to information essential to life processes. (SYI) Biological systems interact, and these systems and their interactions exhibit complex properties. All biological systems comprise parts that interact with one another.

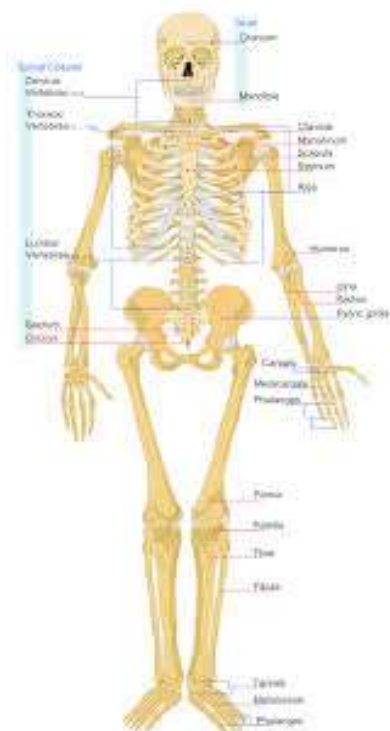
A successful completion of the course will potentially earn FOUR college credits for students registered with the ECE Biology Program (1107) or prepare students to take the AP Biology Exam in May through the College Board (at their expense). Students must choose one of these options (and may choose both).



439 MICROBIOLOGY

Open to:	Juniors and Seniors
Prerequisite:	CP or Honors Biology (420 or 424)
Duration/Credit:	1 semester/½ credit
Level:	One

This semester course is offered for students interested in pursuing a career in the medical field. Students will build a basic understanding of microbiological concepts and principles on which to develop further knowledge of more advanced microbiological concepts. Students will use their understanding to investigate the natural world through the practices of science inquiry, and solve meaningful problems through the practices of engineering design. Students will participate in hands-on lab experiences which include but not limited to media preparation, staining, research projects, and use of models.



432 CP ANATOMY AND PHYSIOLOGY

Open to:	Seniors
Prerequisite:	CP or Honors Biology (420 or 424) AND CP or Honors Chemistry (430 or 437)
Duration/Credit:	1 year/1 credit
Level:	One

Class size limited to 18 students.

This course covers both the Anatomy and Physiology of the human body systems. This course is designed to introduce the body systems in greater detail, learn specialized terms and concepts, and study the principles important to the understanding of the human body. The study of anatomical structures is supplemented by the dissection of the cat and shark. Laboratory and classroom exercises provide additional information for learning physiological principles. This course is highly recommended for students entering the allied health or medical profession. Since this course is an elective, dissections are required.

456 HONORS ANATOMY AND PHYSIOLOGY

Open to:	Seniors
Prerequisite:	CP or Honors Biology (420 or 424) AND CP or Honors Chemistry (430 or 437) & Teacher Recommendation
Duration/Credit:	1 year/1 credit
Level:	Honors

Class size limited to 18 students.

This course covers both the Anatomy and Physiology of the human body systems. This course is designed to introduce the body systems in detail, learn specialized terms and concepts, and study the principles important to the understanding of the human body. The study of anatomical structures is supplemented by the dissection of the cat and shark. Laboratory and classroom exercises provide additional information for learning physiological principles. This course is highly recommended for students entering the allied health or medical profession. Since this course is an elective, dissections are required.

Students enrolled in this class are required to take the final exam offered by Three Rivers Community College (TRCC). Students who successfully earn a 75% or higher on the TRCC final will earn College Career Pathways (CCP) credit.

SCIENCE, TECHNOLOGY ENGINEERING & MATH ELECTIVES

STEM ELECTIVES

Grade Level	Number	BUSINESS	Credit
9	615	Introduction to Business	.50
9	656	College Software Applications I	.50
9, 10	657	College Software Applications II (CCP)	.50
10, 11, 12	323/333	Accounting I; Accounting II	1.00
9, 10, 11, 12	618	Learn How to Make Money	.50
9, 10, 11, 12	647	Marketing	.50
9, 10, 11, 12	645	Entrepreneurship	.50
9, 10, 11, 12	619	Sports Management	.50
11, 12	611	Reality: The Game of Life	.50
10, 11, 12	128 & 129	Publications I & II	.50 each
		REQUIRED FOR GRADUATION	
11	926	Financial & Professional Management	.50

Grade Level	Number	FAMILY & CONSUMER SCIENCE	Credit
		CULINARY	
9	810	Essentials of Culinary Arts	1.00
10, 11	833	International Cuisine & Cultures	.50
10, 11	834	American Regional Cuisine	.50
11, 12	835	Baking I	.50
11, 12	836	Baking II	.50

Grade Level	Number	HEALTH SCIENCES	Credit
10	448	Diversified Health Occupations (CCP)	.50
10	435	Sports Medicine	.50
11, 12	446	Medical Terminology I	.50
11, 12	447	Medical Terminology II (CCP)	.50
11, 12	457	Introduction to Certified Nursing Assistant	.50
11, 12	458	Advanced Certified Nursing Assistant	.50

Grade Level	Number	MANUFACTURING OR CONSTRUCTION TECHNOLOGIES & DESIGN	Credit
9	710	Wood Technology	.50
9	712	Wood Technology II	.50
9/10	705	Computer Aided Drafting/Design I (CADD I)	.50
10	723; 725	Construction I; Construction II	.50 each
11	706	Computer Aided Drafting/Design II (CADD II)	1.00
11/12	709	Architectural Drafting/Design III (CADD III)	1.00
11/12	701	Advanced Manufacturing	1.00



656 COLLEGE SOFTWARE APPLICATIONS I

Open to:	<i>Required of Business Pathway students;</i> Elective for all students
Prerequisite:	None
Duration/Credit:	1 semester/ ½ credit
Level:	Three
Prerequisite to 657 College Software Application 2	

Large Businesses/Corporations have chosen Microsoft Office Suite to run their offices and organizations. This new curriculum will explore publication skills in word processing and spreadsheet software. Students will work on simulations and produce letters, memos, worksheets, charts, and graphs for a company of their choice. Students will complete an integrated simulation as a prelude to the College Software Applications II course.

657 COLLEGE SOFTWARE APPLICATION II

Open to:	All students
Prerequisite:	College Software Applications I
Duration/Credit:	1 semester/ ½ credit
Level:	One

Students will learn how to analyze real world business problems and make decisions using data. Students are provided realistic practice scenarios using basic commands and features of PowerPoint and Publisher. Students will continue their integrated simulation from College Software Applications I. ***Students who successfully complete College Software Applications I and II with a 75 or higher and complete the CCP Application can earn College Career Pathways Credit.***

618 LEARN HOW TO MAKE MONEY

Open to:	All students; <i>Required for Business Pathway Students</i>
Prerequisite:	None
Duration/Credit:	1 semester/½ credit
Level:	Three

Stocks, bonds and investments can make you rich. Using simulation software, learn how to make your money grow or how not to lose it! This course will teach students the workings of the stock market. Students will research companies, invest and trade. Learn how to financially prepare for college by investigating sources of money for your education. Learn how to create Investment strategies, so you can put your money to work for you.

323 ACCOUNTING I

Open to:	<i>Required of Business Pathway students;</i> Elective for all Sophomores, Juniors and Seniors
Prerequisite:	None
Duration/Credit:	1 year/ 1 credit
Level:	Two

Enter into one of the fastest growing professions in the United States, Accounting I. This course will cover the principals and procedures for recording transactions using double-entry accounting and reporting of month and year end financial statements. This course presents the complete accounting cycle for a service business as well as a corporation. Simulation software is used to reinforce accounting practices as an authentic learning experience. Students use higher order thinking skills, problem solving and independence to demonstrate and apply accounting content to business today. Through accounting exploration students may focus on cultural diversity, careers, math applications, and making ethical decisions. Integrated technology is woven throughout the course equipping students to complete Internet research activities and to work through problems using Microsoft Excel spreadsheets.

333 ACCOUNTING II

Open to:	Student with prerequisite
Prerequisite:	Accounting I
Duration/Credit:	1 year/1 credit
Level:	One

Are you interested in an Accounting or Finance Career? Accounting II is an advanced course for students interested in a career requiring accounting skills. Take part in this authentic learning experience by stepping into an accounting game, where businesses simulate accounting scenarios. Learn about basic principles and procedures and the accounting cycle for a merchandising business organized as a corporation. Accounting for corporate adjustments and valuation becomes the focus of the course. Topics covered are accounting for uncollectible accounts receivable, plan assets and depreciation, inventory, notes and interest, accrued revenue and expenses and end of fiscal period work for a corporation.



615 INTRODUCTION TO BUSINESS

Open to:	<i>Required of all Business Pathway Students;</i> Elective for all other students
Prerequisite:	None
Duration/Credit:	1 semester/ ½ credit
Level:	Three

Through team projects, simulations and an introduction and exploration into business courses such as Sports Management, Marketing, and Business Law, Accounting and business practices, students learn practical business skills. Students will also explore international markets using project based assignments. Case studies that require higher order thinking and authentic learning experiences will spark student's interest in this class. Basic operation and financing will open student's eyes to the business, legal, and social environment of today's world.

647 MARKETING

Open to:	<i>Required of Business Pathway students;</i> Elective for all grades
Prerequisite:	None
Duration/Credit:	1 semester/ ½ credit
Level:	Three

Put on your glasses and look at business through the eyes of some of the greatest business owners and marketing experts. Change your consumer view, step into the world of marketing. Marketing isn't about looking up the answer, it's about creating the answer. Simulate "real-life" scenarios and solve them by being part of the solution and creating the marketing answer. Important decisions are made in tight timeframes, which equate to managing money, working to uphold a real company's reputation, and investing your energy in real projects. Learn how to create a marketing plan for a business of your choice. Brainstorm how to identify product, place and promotion in real life situations. Sell, sell, sell and buyer beware!

**645 ENTREPRENEURSHIP
- Learn how to create your own business**

Open to:	All grade levels; <i>Required for Business Pathway Students</i>
Prerequisite:	None
Duration/Credit:	1 semester/ ½ credit
Level:	Three

Working in groups or individually, students share ideas on how to create and run your own business. This project based class puts emphasis on getting to know your customers and competition; the importance of location and facilities; marketing; strategies for pricing and sales planning; and financing and managing your small business. The fun is in the idea!

619 SPORTS MANAGEMENT

Open to:	All grade levels; <i>Required for Business Pathway Students</i>
Prerequisite:	None
Duration/Credit:	1 semester/ ½ credit
Level:	Three

Sports Management is a fun, active introduction into the business of sports. Students will take an active part in learning through virtual reality games, field trips and by being taught the "behind the scenes" rules and regulations for various programs and divisions. Students will learn about how athletic departments are run and organized. Also, students will look into sports careers and colleges.

**611 REALITY: THE GAME OF LIFE -
LIFE MANAGEMENT SKILLS**

Open to:	Juniors & Seniors
Prerequisite:	None
Duration/Credit:	1 semester/ ½ credit
Level:	Two

Students will learn how to develop the skills needed to make important life decisions by using a fun, active, introduction into reality and by playing the game of life. Students will take an active part in living life as an adult by choosing a college, career, and learning how to make decisions that will support their chosen lifestyle. Students will encounter many trials and tribulations from coping with stress, substance abuse, being a savvy consumer, while learning about nutrition, budget modifications and how to navigate advertising gimmicks.



STEM ELECTIVES: BUSINESS

128 PUBLICATIONS I

Open to: All Students
 Prerequisite: **Submission & approval of application by instructor**
 Duration: 1 semester/½ credit
 Level: Three

This course is designed for students who have an interest in yearbook production, journalism, and/or writing. Strong writing skills, creativity, and the ability to work independently are necessary. The emphasis of Publications I is theme development, organization, and production of the Griswold High School yearbook, The Sentinel.

Students will work on developing crisp, quality pages that tell the story of the school year. Photojournalism and image editing skills will also be taught to assist students in creating storytelling spreads. The real world skills of budgeting, advertising and sales will also be part of the required coursework. Class size is limited to 20 students. Interested students must submit a letter of recommendation with the application. The instructor will select qualified students.



COURSE REQUIRED FOR GRADUATION:

129 PUBLICATIONS II

Open to: All Students
 Prerequisite: **Submission & approval of application by instructor**
 Duration: 1 semester/½ credit
 Level: Three

Students will be involved in the final stages of production of the Griswold High School yearbook, The Sentinel. This will entail text writing, proofreading, editing, sales, and the compilation of The Sentinel supplement. This is a class designed for the student with strong writing skills, and an interest in creative expression using mixed media. Class size is limited to 20 students. Interested students must submit a letter of recommendation and application stating their qualification and intention for the course. The instructor will select qualified students based on applications submitted.

926 FINANCIAL AND PROFESSIONAL MANAGEMENT

Open to: **Required of all Juniors**
 Prerequisite: None
 Duration/Credit: 1 semester/½ credit
 Level: One

This course provides the informational and decision-making tools necessary for planning and implementing a successful personal financial plan for varied life situations and also provides the students the opportunity to explore careers while preparing for the demands of the workplace. Students will job shadow a career within their pathways, as well as complete a mock interview with area professionals. The job shadow and mock interview will provide the students with a real-world experience as they begin to contemplate and assess various careers. **The job shadow, job shadow reports, career portfolio, and mock interview must be completed to earn class credit and graduation credit.**



CULINARY

810 ESSENTIALS OF CULINARY ARTS

Open to:	All Students
Prerequisite:	None; <i>Required for Hospitality & Tourism Pathway</i>
Duration/Credit:	1 year/ 1 credit
Level:	Three

This course teaches the basics of safety in the kitchen, sanitary cooking practices, knife handling, and food preparation techniques. The first semester concentrates on understanding factors that contribute to food-borne illnesses, food safety and sanitation procedures, applied math skills in context of recipe measurements and equivalents, culinary vocabulary, applied science skills in application of moist and dry heat to foods, and storage procedures for raw and prepared foods. The second semester moves on to a broader study of foods and cooking methods. Twenty first century process skills that contribute to STEM skill development success are a component of every lab (problem solving, decision making, goal setting, cooperation, management, communication, critical thinking, leadership). Labs will focus on introductory food preparation skills and require teamwork and food sampling.

The successful completion of this course is a prerequisite to all further culinary classes. This is a STEM elective.



831 INTERNATIONAL CUISINE & CULTURES

Open to:	Sophomores, Juniors, Seniors
Prerequisite:	Successful completion of 823 & 824 or 810; <i>Required for Hospitality & Tourism Pathway</i>
Duration/Credit:	1 semester/ ½ credit
Level:	Two

This course introduces students to cuisines and cultures around the world. As we travel from Latin America to South America, and from the British Isles to Europe, Scandinavia, the Mediterranean, Asia or Africa, we will learn about how climate and geography have influenced food customs from region to region, holidays & holiday customs, popular dishes, and a bit of early history and map skills. Students will broaden their palate by cooking and sampling international dishes in the lab. The holiday season highlights Germany and gingerbread house baking by every student.

834 AMERICAN REGIONAL CUISINE

Open to:	Sophomores, Juniors, Seniors
Prerequisite:	Successful completion of 823 & 824 or 810; <i>Required for Hospitality & Tourism Pathway</i>
Duration/Credit:	1 semester/ ½ credit
Level:	Two

This course studies the history of food in the United States by looking at the differences in cuisine region by region, covering New England, the Mid-Atlantic, the South, Southwest, Midwest, West, and Pacific Northwest. Students will examine how geography, climate, immigrants and indigenous peoples have contributed to regional cuisine and customs, as well as practice map skills identifying states as we travel from region to region. Labs will focus on the most well known regional dishes for students to prepare and sample. Chicago's Deep Dish Pizza is a popular highlight of the course.



835 BAKING I

Open to: Juniors, Seniors
 Prerequisite: Successful completion of 823 & 824 OR 810; If space allows, seniors who do not have prerequisite credit may seek teacher approval.
Required for Hospitality & Tourism Pathway

Duration/Credit: 1 semester/ ½ credit
 Level: One

This course is designed for students who have precise measuring skills and would love to learn more about the art of baking. Since understanding cause and effect relationships in baking is crucial, the course begins looking at the food science principles and specific function of each basic baking ingredient and comparing and contrasting different dough and batter mixing methods. Units and labs will address quick breads (biscuits, muffins, scones, soda breads, pancakes, waffles), pies and cookies. Labs in this class also bake for various school functions/activities as time allows.

836 BAKING II

Open to: Juniors, Seniors
 Prerequisite: Successful completion of 823, 824 & 835; *Required for Hospitality & Tourism Pathway*

Duration/Credit: 1 semester/ ½ credit
 Level: One

This advanced course is a continuation of Baking I. Students will focus on the production of candy, cakes, icings, cake decorating, specialty and/or frozen desserts. A special unit emphasizes the importance of buying fair trade quality ingredients and leads into a final project on chocolate. Labs in this class also bake for various school functions/activities as time allows.

This course is an elective and can lead to an entry-level job in a bakery if both Baking I and Baking II are completed successfully.

**FASHION DESIGN****825 FASHION AND DESIGN**

Open to: All Students
 Prerequisite: None
 Duration/Credit: 1 year/ 1 credit
 Level: Two

This course introduces students to the exciting world of fashion and design. The course provides a brief history of fashion as well as new technology and fashion innovations for the future. Course content includes the elements and principles of design, selecting textiles, consumer decision making, fashion trends and wardrobe planning. Sewing projects will showcase fundamental sewing techniques such as basic seams, casing, hems, buttonholes, and zippers. Beginner level projects will include pajama pants, zippered and drawstring bags, pillows and a student selected garment pattern. The overall aim of the course is for students to learn basic sewing skills to be able to sew independently. Students are required to provide the fabric and notions for all personal sewing projects.

**826 ADVANCED FASHION AND DESIGN**

Open to: Sophomores, Juniors and Seniors
 Prerequisite: 825 Fashion & Costume Design
 Duration/Credit: 1 year/ 1 credit
 Level: One

The students in this course have successfully completed one year of Fashion and Design. Students will further their knowledge and skills in the area of fashion design and will work on building a portfolio. This course will aid in wardrobe planning and developing more advanced sewing construction techniques to be able to sew independently. Each project will be required to incorporate more advanced techniques such as (zippers, pockets, sleeves, darts, waistband, and different seam construction and seam finishes).

448 DIVERSIFIED HEALTH OCCUPATIONS

Open to:	Grades 10 - 12 <i>Required for Health Sciences Pathway</i>
Prerequisite:	None
Duration/Credit:	1 semester/ 1/2 credit
Level:	Three

Diversified Health Occupations (DHO) is an introductory course that is designed to enable students to receive initial exposure to many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of the healthcare provider. Fundamental healthcare skills development is initiated including anatomy and physiology, basic life support and first aid. ***This course is in the College Career Pathways (CCP) program for concurrent credit. Any student enrolled in the CCP program that earns a grade of 75 or better will receive college credit from Quinebaug Valley Community College in addition to high school credit.***



435 SPORTS MEDICINE

Open to:	All Students
Prerequisite:	Diversified Health Occupations <i>Recommended; Required for Health Sciences Pathway</i>
Duration/Credit:	1 semester/ ½ credit
Level:	Three

This course is an introduction to athletic training procedures as they relate to the athlete, the parent, the physical educator, coach, and athletic trainer. The course includes history of the athletic training profession, ethics, basic information and skills important in the recognition of, care, prevention, and preliminary rehabilitation of athletic injuries. In an emergency, they will be able to help sustain life, to help minimize the consequences of injury or sudden illness until medical help arrives. Students should take this course who are interested in fields such as athletic training, physical therapy, medicine, nursing, fitness, physiology of exercise, kinesiology, nutrition, EMT and other sports medicine related fields.



446 MEDICAL TERMINOLOGY I

Open to:	Juniors & Seniors
Prerequisite:	Biology (420, 421 or 424) <i>Required for Health Sciences Pathway</i>
Duration/Credit:	1 semester/ ½ credit
Level:	One

Medicine has a language of its own. This semester course is a study of medical language. It offers an introduction to medical terms through an analysis of word construction (prefix, suffix, root, and combining forms). It is designed for the student who is considering a career in the allied health profession. This course will guide the student toward gaining a successful grasp of medical language, while offering a glimpse of its application in medical professions. The student will then apply medical terminology to anatomy and physiology content of the human body systems. Topics discussed will include body structure, the integumentary system, musculoskeletal system, endocrine system, cardiovascular system, and lymphatic system.

447 MEDICAL TERMINOLOGY II

Open to:	Juniors & Seniors
Prerequisite:	Medical Terminology I (446) <i>Required for Health Sciences Pathway</i>
Duration/Credit:	1 semester/ ½ credit
Level:	One

Medical Terminology II is a continuation of Medical Terminology I. In this semester course students will continue the study of medical language through analysis of word construction with the use of prefix, suffix, root, and combining forms. The students will continue the application of medical terminology with a discussion of human body systems and their relationship to anatomy and physiology. The emphasis of Medical Terminology II will focus on the respiratory system, digestive system, urinary system, reproductive system, nervous system, the senses, pharmacology, and special topics. ***Any students enrolled in the CCP program who successfully complete Medical Terminology I & II with a 75 or higher can earn College Career Pathways credit with***



457 INTRODUCTION TO CERTIFIED NURSING ASSISTANT

Open to: Seniors, Juniors (preference will be given to Seniors).
 Prerequisite: Biology, Diversified Health Occupations, & Medical Terminology I & II; Teacher Approval;
Required for Health Sciences Pathway

Duration/Credit: 1 semester/1/2 credit
 Level: Honors

This is an introductory course that prepares the student for clinical experience in a local long term care facility. Topics covered are role of the nurse aide, infection control, basic health skills, first aid and CPR, ethics and legalities in healthcare and characteristics of the elderly. Upon completion of this course with an average of 80%, the student will be able to participate in clinical exploration of the career.

458 ADVANCED CERTIFIED NURSING ASSISTANT

Open to: Seniors, Juniors (preference will be given to Seniors).
 Class size limited to 10

Prerequisite: Top 10 students in #457; Teacher Approval

Duration/Credit: 1 semester/1/2 credit
 Level: Honors

This is course provides clinical training for those students in C.N.A. 1 that are interested in becoming a certified nursing assistant. They will participate in a clinical setting for a minimum of 60 hours, thus becoming eligible for the Prometric Registry Examination. Students will adhere to a strict schedule for clinical and academic attendance as well as learning to care for the elderly who cannot care for themselves in all areas of daily living (feeding, dressing, toileting, grooming, etc.). Due to the rigorous nature of this course, student attendance and strict adherence to RISE expectations are taken into account in selecting students for this course.



Manufacturing & Construction Technologies



710 WOOD TECHNOLOGY I

Open to:	All Students
Prerequisite:	None; <i>Required for Manufacturing Pathway</i>
Duration/Credit:	1 semester/ ½ credit
Level:	Three

This course introduces students to the fundamental knowledge, tools, techniques and skills in the study of the woodworking industry and related construction trades. This course challenges students with problem-solving situations related to wood and wood technology. Students develop and use a variety of skills including safe work habits, organization, problem solving, and practical application of modern woodworking techniques. Students are required to complete several lab activities that will foster skill development and fundamental understanding of modern industrial processes. As a requirement of this course, students will perform numerous operations that demand the safe use of woodworking hand tools, portable power tools and machinery. Topics studied include workplace safety, measurement and layout, fasteners, joinery, abrasives, cutting and wood finishing. If time permits, students will produce a simple woodworking project utilizing the tools and manufacturing processes learned during the course.

712 WOOD TECHNOLOGY II

Open to:	All Students
Prerequisite:	Wood Technology I; <i>Required for Manufacturing Pathway</i>
Duration/Credit:	1 semester/ ½ credit
Level:	Two

Wood Technology II is offered for a student interested in learning advanced skills in the fields of cabinetmaking, finish carpentry, construction and manufacturing. During this course, students will continue to build upon their knowledge in planning a project, the selection and use of materials, and the proper and safe use of the woodworking tools and machinery needed to produce a finished product. A major emphasis will be placed on shop safety, proper hand and power tool usage, and advanced woodworking processes. Students acquire knowledge and skills through demonstrations, educational media and practice projects. The working knowledge acquired in this course will enable students the opportunity to design and fabricate projects of their own design. The unique skills gained in this course will provide students with lifelong knowledge that can be applied to numerous technical occupations. As an integral component of this course, students will participate in a mini manufacturing unit that will require them to mass-produce a product.

705 COMPUTER AIDED DRAFTING/DESIGN (CADD I)

Open to:	All Students
Prerequisite:	None; <i>Required for Manufacturing Pathway</i>
Duration/Credit:	1 semester/ ½ credit
Level:	Three

Computer-Aided Drafting and Design I (CADD I) course in which the students will learn the fundamentals of using AutoCAD software. Students in this course will learn the universal basic CADD techniques that are used to draw and edit mechanical drawing entities, manipulate screen displays, layout drawings, apply dimensions, plot drawings, and manage drawing files. Specific areas to be covered include working in model and paper space, preparing drawings using the coordinate system, and the spatial visualization of three-dimensional (3D) objects. Computer-Aided Drafting and Design (CADD), an essential tool used for product design in manufacturing and for solving complex engineering problems. Basic drawing objects and simple working drawings will reinforce the commands learned in this class. This course is open to all students and is a prerequisite for those students expecting to take construction (723) or to be considered for acceptance into the Advanced Manufacturing course.

701 ADVANCED MANUFACTURING

Open to:	Juniors & Seniors
Prerequisite:	(710) Wood Technology & (705) CADD I &/or Teacher Recommendation <i>Required for Manufacturing Pathway</i>
Duration/Credit:	Full Year/ 1 credit
Level:	Honors

Advanced manufacturing is a new course that prepares students with a direct school-to-career pathway towards careers in the manufacturing industry after graduation. This course stems from the Youth Manufacturing Pipeline Initiative (YMPI) which is a workforce development program created and managed by the Eastern Connecticut Workforce Investment Board (EWIB) in concert with 27 other state and regional stakeholders (employers, organized labor, colleges, high schools, economic development and other partners). Students in this program will attend high-rigor skills training classes with a curriculum designed by teachers and employers in trades such as welding, machining, pipefitting, electrical, and drafting. The curriculum is exclusively designed to align each student's skill set and employment competencies with those that are in-demand by manufacturers. Students will have opportunities to earn an OSHA 10 certification, 150 apprenticeship hours, and interviews with local employers. College credit may be available upon completion of the formal program and achieving a passing grade on the exit exam.

723 CONSTRUCTION I

Open to:	Sophomores, Juniors, Seniors
Prerequisite:	(710) Wood Technology (705) CADD I
Duration/Credit:	1 semester/ ½ credit
Level:	Two

Residential construction theory and applied skills will be the main focus of this course. An overview of the construction process from the planning, designing, and building stages of a structure will be covered. Topics covered will include foundation and framing theory, hand and machine tool use, construction techniques and safety. In addition, students will learn to read blueprints and produce material and cost estimates. Students will gain experiences in the construction of a building as well as various school and community projects. Heavy emphasis will be placed on teamwork and the development of a strong work ethic.

725 CONSTRUCTION II

Open to:	Sophomores, Juniors, Seniors
Prerequisite:	(723) Construction I (705) CADD I
Duration/Credit:	1 semester/ ½ credit
Level:	One

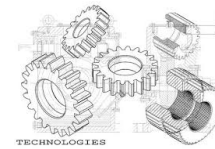
This course is designed for students who want to apply the theory and experiences gained in Construction I. The focus of this course is to provide students with an authentic learning experience in the construction trades. Students in this course will gain an advanced knowledge of the use of specialized carpentry hand tools, portable power tools and learn about modern construction materials through the design and construction of a “Tiny House” from the floor to the ridge of the roof. Students will learn about each phase of residential construction including floor wall, and roof framing working in small teams. Students will also learn the basic concepts and techniques of electrical wiring, drywall installation and roof and wall finishing. Strong emphasis will be placed on each student’s ability to demonstrate quality workmanship, strong work ethics and technical skills. Small scale individual projects may also be assigned depending on time and need.



706 COMPUTER AIDED DRAFTING/DESIGN (CADD II)

Open to:	Sophomores, Juniors & Seniors
Prerequisite:	705 CADD I
Duration/Credit:	1 year/ 1 credit
Level:	One

In this full year course, students will be able to apply the Autocad 2015 commands and techniques learned in CADD I to draw more advanced technical drawings and to explore the mechanical drafting profession in greater depth. Students will be assigned drawing problems that are similar or identical to those practiced by professional drafters and mechanical engineers working in the manufacturing industry. Some of the units studied include: advanced orthographic projection, auxiliary views, sectional views and assembly drawings. Additionally, students will develop simple 3-Dimensional (3D) models and use the additive manufacturing process to print these models on a 3D printer. This new skill set can lead to entry-level employment in numerous high-demand ,high-wage careers beyond high school. Problem solving and creative thinking skills will be an integral part of this course.



709 ARCHITECTURAL DRAFTING (CADD III)

Open to:	Juniors and Seniors
Prerequisite:	706 CADD II
Duration/Credit:	1 year/ 1credit
Level:	One

Architectural drafting is offered to students who wish to gain a more extensive knowledge of residential construction from a designers viewpoint. This course is also recommended for any student who possess a genuine interest in exploring the numerous technical careers related to architecture, engineering or the building trades. Students will learn how to create architectural drawings for residential construction using AutoCad Architecture software. The major units of study include: how to draw floor plans and elevations, work with symbols, design kitchens and bathrooms and prepare electrical plans and sectional drawings. Each student will be required to develop the blueprints for a custom designed “dream house” which will detail all of the design features of the home and many of the construction aspects. The shape of the home as well as the layout of the rooms will be their own design. This course is open to self-motivated students that have developed solid AutoCAD skills and have demonstrated strong creative and problem solving skills.

PHYSICAL EDUCATION, WELLNESS, HEALTH & SAFETY

CLASS OF 2023 & BEYOND

Health & Safety 1 credit
Physical Education & Wellness 1 credit

Number	Course	Credit
	HEALTH & SAFETY	
924	Health Education - grade 9	.50
	PHYSICAL EDUCATION & WELLNESS	
811	Sports and Fitness Nutrition (CCP)	.50
920	Physical Education Grade 9/Males	.50
921	Physical Education Grade 9/Females	.50
922	Physical Education Grade 10/Males	.50
923	Physical Education Grade 10/Females	.50
1927	Team Sports - Females	.50
1929	Team Sports - Males	.50
1928	Wellness/Weight Training - Females	.50
1930	Wellness/Weight Training - Males	.50
818	Lifetime Fitness/Yoga	.50



PE, WELLNESS, HEALTH & SAFETY

924 HEALTH EDUCATION

Open to:	Required of Freshmen
Prerequisite:	None
Duration/Credit:	1 semester/ ½ credit
Level:	Three

This one semester course is designed to continue the planned, ongoing and systematic health instruction offered by Griswold Public Schools. It will reflect current trends in health care with the ultimate goal of having students acquire the knowledge and skills that will help foster a healthy life style. Topics for discussion will include nutrition, physical activity, mental and emotional health (to include dating violence), disease prevention (to include AIDS and STD prevention), safety and accident prevention, drug and substance abuse prevention, communication skills, and community and consumer health. The focus of the course will be on wellness as a means to prevent illness and lower risk-taking activities. **A passing grade is required for graduation.**

811 SPORTS AND FITNESS NUTRITION

Open to:	All Students
Prerequisite:	Health; <i>Recommended for Health Sciences Pathway</i>
Duration/Credit:	1 semester/ ½ credit
Level:	Two

This course is designed to help students make important decisions relating to nutrition and exercise for athletes. The focus of this course is on individual dietary needs, healthy body weight, and active participation in leisure activities. Students will learn about weight control, special diets and food for athletes. Students will also be learning about exercising and training for particular sports/events. Students will create their own fitness plan designed to improve their performance and carry it out when using the fitness room. **It is required that freshmen earn health credit before taking this course.**

This course is in the College Career Pathways (CCP) program for concurrent credit. Any student enrolled in the CCP program that earns a grade of 75 or better will receive college credit from Three Rivers Community College in addition to high school credit.



818 LIFETIME FITNESS/YOGA

Open to:	Juniors & Seniors
Prerequisite:	Teacher approval required & a grade no lower than an 85 in Freshmen and Sophomore PE classes
Duration/Credit:	1 semester/ ½ credit
Level:	Three

Juniors and seniors may take up to 2 semesters of PE electives or 1 credit. These physical education classes are comprised of lifetime fitness and yoga opportunities. Lifetime fitness may consist of kickboxing, Pilates, Zumba, self-defense, Insanity workouts, P90X workouts, T25 workouts, etc.

PE electives are designed for those students who seek a higher level of fitness than 9/10 PE and focus on a specific activity. Each activity will be 2-3 weeks long. The activities offered will be determined by the instructors and are subject to change depending upon enrollment, facilities, or student interest.



PHYSICAL EDUCATION

920 Gr. 9 Boys

921 Gr. 9 Girls

Open to: Required of Freshmen
 Prerequisite: None
 Duration/Credit: 1 semester/ ½ credit
 Level: Three

Physical Education classes are a comprised of daily physical fitness and life-long sports/activities. Students are assessed on performance and effort for both physical fitness and sports/activities. The freshmen program may cover the fundamentals of the following sports/activities: aerobics, archery, badminton, basketball, cooperative games, dance, deck tennis, disc golf, field games, fitness or trail walking/jogging, flag football, golf, lacrosse, soccer, softball, sport stacking, tennis, ultimate frisbee, volleyball, and weight/resistance training.

All students are given a mandatory physical fitness assessment. This test must be completed by all freshmen in the spring or fall semesters and is a pre-assessment to the CT State Physical Fitness Assessment.

PHYSICAL EDUCATION

922 Gr. 10 Boys

923 Gr. 10 Girls

Open to: Required of Sophomores
 Prerequisite: None
 Duration/Credit: 1 semester/ ½ credit
 Level: Three

Physical Education classes are a comprised of daily physical fitness and life-long sports/activities. Students are assessed on performance and effort for both physical fitness and sports/activities. The sophomore program may cover the fundamentals of the following sports/activities: aerobics, archery, badminton, basketball, cooperative games, dance, deck tennis, disc golf, field games, fitness or trail walking/jogging, flag football, golf, lacrosse, soccer, softball, sport stacking, tennis, ultimate frisbee, volleyball, and weight/resistance training.

All students are given a state mandated physical fitness assessment. This test must be completed by all sophomores in the spring or fall semesters and the results are submitted to the State of CT.

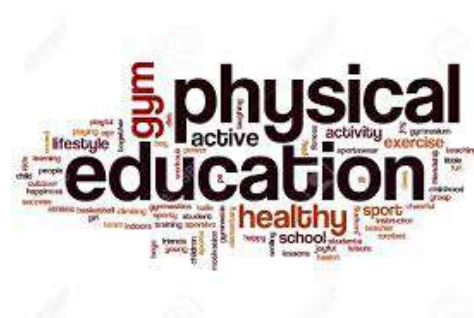
PHYSICAL EDUCATION

11/12 ELECTIVES

Open to: Elective for Juniors & Seniors
 Class size is limited to 30
 Prerequisite: Teacher approval required plus a grade no lower than 85 in 9 & 10th grade PE
 Duration/Credit: 1 semester/ 1/2 credit
 Level: Three

Juniors and Seniors may take up to 2 semesters of PE Electives or 1 credit. These Physical Education elective classes are comprised of daily physical fitness and competitive sports activities. PE Electives are designed for those students who seek a higher level of play/competition than 9/10 P.E. and focus on a specific sport/activity. Outdoor team sports will be comprised of 3 weeks of tournaments for each of the following sports; flag football, soccer/lacrosse, and softball. Indoor team sports will be comprised of 3 weeks of tournaments for each of the following sports; basketball, volleyball, and team handball/speedball. Weight Training/Fitness Center will be a class in the fitness center where students will have the opportunity design a personal fitness program specific to their goals. These programs will include work-outs using different cardio machines, such as bikes, treadmills, elliptical machines, and steppers, in conjunction with weights and a variety of fitness equipment. The sports/activities offered will be determined by the instructors and are subject to change depending upon enrollment, facilities, or student interest.

- 1927 Team Sports - Females
- 1929 Team Sports - Males
- 1928 Wellness/Weight Training - Females
- 1930 Wellness/Weight Training - Males



CAPSTONE

THIS IS THE CURRENT VERSION OF THE CAPSTONE COURSE THAT IS OFFERED FOR ELECTIVE CREDIT.

988 CAPSTONE PROJECT

Open To: Seniors
Prerequisite: None
Duration/Credit: 1 semester/1/2 credit
Level: One

The Capstone Experience at GHS is a student-driven learning opportunity. This personalized senior project is the ultimate showcase of the skills that demonstrate the student's college or career readiness and will empower students will to succeed in their transition from our school community.

The students apply their skills acquired during their K-12 education, fostering productive interactions and relationships with members of the community, culminating in a presentation of their personal interests. The experience allows students to gain confidence as they strive to achieve their postsecondary goals.

The Capstone Project at Griswold High School builds a bridge between the skills that you learn in the classroom and the real world. The three phases of the Capstone project are: 1) A paper on the topic of your choice. 2) Fieldwork with a mentor relevant to this topic, and 3). A formal presentation before a panel of judges in which you will communicate and reflect on your experience as a whole.

****ONLY OFFERED IF THERE IS SUFFICIENT INTEREST****

VOLUNTEER & COMMUNITY SERVICE

VOLUNTEER

Grade Level	Number	OTHER ELECTIVES	Credit
		VOLUNTEER	
11, 12	889	Volunteer	.25
9, 10	N/A	Community Service (graduation requirement)	.25

889 VOLUNTEER

Open to: Juniors & Seniors in good academic standing
 Prerequisite: Demonstrated ability in academic area/**teacher recommendation**
 Duration/Credit: **1/2 year/ .25 credit**
 Level: Nonleveled (Pass/Fail)

Students with strong skills in a particular subject area may request to volunteer in a classroom to assist other students or in the library/media center. Students who would like to participate **MUST** be strong role models for other students and meet with the academic teacher or other faculty member to discuss goals. Past opportunities have included CADD, Construction, Foods & Nutrition, & Spanish, but all subject areas may be considered.

COMMUNITY SERVICE

Open to: **REQUIRED FOR ALL FRESHMAN AND SOPHOMORES**
 Prerequisite: **NONE**
 Duration/Credit: **Full Year/ .25 credit**
 Level: Nonleveled (Pass/Fail)

Students in the class of 2023 and beyond will be required to complete a minimum of 10 hours of community service each year for a total of 40 hours by the time of graduation. Students will earn 1/4 credit each year for a total of 1 credit towards the 25 credits required for graduation.

Students must provide written documentation of their community service hours by completing the community service form each year. This must be submitted to the community service coordinator in order to receive credit.

Special Education

Griswold High School provides instruction for special education students in the Least Restrictive Environment (LRE). Federal law and Connecticut regulations have provisions that require students with disabilities to be educated with their non-disabled peers to the maximum extent appropriate. We assure that special classes or separate schooling for students occur only when the nature or severity of the disability is such that education in regular classes with use of supplementary aids and services cannot be achieved satisfactorily.

A student's Individualized Education Plan (IEP) and Individualized Transition Plan (ITP) provide a continuum of placements and services that include:

- Regular education classroom with supplemental aids and/or services
- Resource Centers to supplement instruction in the regular education classroom
- Life Skills or Behavioral programs for students requiring alternate instruction
- Alternative High School for Special Education students with significant social and emotional difficulties
- Related services including counseling, speech, physical therapy, and occupational therapy
- Work/Study Vocational services for post-high school transition

Statement of Non-Discrimination

In compliance with Title VI, Title IX and Section 504 of the Rehabilitation Act of 1973, the Board of Education does not discriminate on the basis of race, creed, color, national origin, age, sex, marital status, religion, sexual preference or disability in establishing and implementing hiring and employment practices and establishing and providing school activities and educational programs.

Title IX Coordinator
Mrs. Susan Rourke - (860) 376-7600

Title VI Coordinator - Mr. Chris Champlin, Special Education Director - 860-376-7650

Section 504 Coordinator - Mr. Chris Champlin, Special Education Director - 860-376-7650

Griswold High School is accredited by the New England Association of Schools and Colleges. Inquiries regarding the status of an institution's accreditation by the New England Association should be directed to high school administration. Individuals may also contact the Association:

NEW ENGLAND ASSOCIATION OF SCHOOLS AND COLLEGES
3 Burlington Woods Drive, Suite 100
Burlington, MA 01803
Toll-Free: 855-886-3272

NOTES TO STUDENTS AND PARENTS

***Courses offerings are based on student interest and available staff.
Please read the course information contained with this booklet and utilize it in the course registration process.***

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