

GREENFIELD HIGH SCHOOL



ACADEMIC AND CAREER PLANNING GUIDE 2022 - 2023

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STEP ONE

How to use this booklet

Step One: How to Use This Booklet.

The Wisconsin Department of Public Instruction Comprehensive School Counseling Model (WCSCM) is a coordinated system of programs, activities, and learning experiences that prepare all students for life after high school. The program is implemented by all and provides opportunities for all students to develop to their fullest socially, academically, and in their career planning. Please use the guidelines listed below to begin and monitor your high school experience.

Step Two: Look over the Career Clusters.

These Career Clusters have been established under the *National Career Technical Education Foundation* as a tool for seamless transition from education to career. Consider the GHS courses recommended for each Career Cluster. Select a Career Cluster that is closest to the area you feel you would pursue as an adult and use the cluster to inform your course selections.

Step Three: Review the GHS Philosophy and Graduation/Career Requirements

Checklist. Use this step to determine the progress you are making towards your high school graduation. Please pay careful attention to the **Programming Policies** for graduation and **Special Programs**.

Step Four: Read over the College Admissions Requirements/Information and GHS

Special Programs section. Compare what is required with your own high school academic standing. Note that the requirements for attending a four year college are different from the requirements for high school graduation.

Step Five: Choose your courses using the course selection guide and grade-level

registration form. Refer to your Career Cluster information, the GHS graduation checklist, the technical and 4-year college requirements, and the GHS academic course descriptions. This is your personal roadmap to get the most out of your high school years. Students without a plan often miss many wonderful high school opportunities, college experiences, and meaningful careers.

Step Six: Enter your courses online through your Infinite Campus Portal account.

Contact Student Services if you need assistance.

COUNSELOR CONTACTS

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STEP TWO

CAREER PATHWAY GUIDE

Review the Career Clusters to help you choose a career pathway of interest and then review the suggested courses in that pathway to help inform your course selection. Remember the expectation is that every GHS student takes at least one college level course in their career pathway before they graduate. Our goal is that every GHS student is college and career ready by graduation. Engaging in our most rigorous courses will help to prepare you to reach this goal.

Career interest inventories and further career exploration and planning can be found at. <https://login.xello.world/> Each student has their own username and password.

Student usernames: GFIELD-graduation year1st initial last name.
Student passwords: Gsdstudent lunch number.

Please see Student Services with questions.

AGRICULTURE, FOOD, AND NATURAL RESOURCES

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood, products, natural resources, horticulture, and other plant and animal products/resources

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

BIOLOGY	AP STATISTICS
SCIENCE AND SOCIETY	CALCULUS
PHYSICS	GEOMETRY
ECOLOGICAL STUDIES	TRIGONOMETRY
EARTH AND THE SOLAR SYSTEM	AP BIOLOGY
STATISTICS AND PROBABILITY	AP PHYSICS 1 AND 2

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

FOODS 1, 2, 3
LEADERSHIP
PRINCIPLES OF ENGINEERING
PRINCIPLES OF BIOMEDICAL SCIENCES
MEDICAL INTERVENTIONS
HEALTH LITERACY
HEALTH INFLUENCES
YOUTH APPRENTICESHIP

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Dietician/Nutritionist
- ◆ Wildlife Management
- ◆ Bioengineer
- ◆ Food Scientist
- ◆ Food & Drug Inspector
- ◆ Meat Processor
- ◆ Forestry

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ SkillsUSA
- ◆ National Honor Society
- ◆ Science National Honor Society
- ◆ Math Club



ARCHITECTURE & CONSTRUCTION

Careers in Designing, planning, managing, building, and maintaining the built environment.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

ALGEBRA 1, 2

GEOMETRY

PRE-CALCULUS

AP CALCULUS

ACCOUNTING 1, 2

STATISTICS AND PROBABILITY

TRIGONOMETRY

PHYSICS

AP PHYSICS 1 AND 2

AP US HISTORY

LEADERSHIP

YOUTH APPRENTICESHIP

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

CISCO 1, 2

CONSTRUCTION 2

CRAFTSMANSHIP

MARKETING YOUR BUSINESS

INTRODUCTION TO BUSINESS

WEB PAGE CREATION

2-D ART SAMPLER 2, 3, 4

3-D ART SAMPLER 2, 3, 4

INTRO TO ENGINEERING & DESIGN

PRINCIPLES OF ENGINEERING

CIVIL ENGINEERING & ARCHITECTURE

ARCHITECTURE

HEALTH INFLUENCES

HEALTH LITERACY

WELDING

PHOTOGRAPHY

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Engineer
- ◆ Building Inspector
- ◆ Urban Planner
- ◆ Construction
- ◆ Remodeling
- ◆ A/C, HVAC
- ◆ Carpentry
- ◆ Electrician
- ◆ Brick Laying & Masonry

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ SkillsUSA
- ◆ National Honor Society
- ◆ Math Club
- ◆ Robotics Club



ARTS, A/V TECHNOLOGY, & COMMUNICATION

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

AP ENGLISH LANGUAGE AND COMPOSITION
 AP ENGLISH LITERATURE AND COMPOSITION
 LEADERSHIP
 YEARBOOK 1, 2
 AP PSYCHOLOGY

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

2-D ART 1, 2, 3, 4, 5, 6	THEATRE 1, 2
3-D ART 1, 2, 3, 4, 5, 6	TECHNICAL THEATRE
COMPUTER GRAPHICS 1, 2, 3, 4	SPEECH
PHOTOGRAPHY 1, 2, 3, 4	GUITAR
AP 2D DESIGN PORTFOLIO	PIANO KEYBOARD
WEB PAGE CREATION	A SURVEY OF MUSIC
INTERIOR DESIGN	MUSIC THEORY
FASHION DESIGN	MIXED CHOIR/CONCERT CHOIR
CREATIVE WRITING	SYMPHONIC BAND
INTRO TO ENGINEERING & DESIGN	WIND ENSEMBLE

Post-Secondary Schools that have programs related to
this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Artist
- ◆ Writer/Journalist
- ◆ Designer
- ◆ Music/Art Teacher
- ◆ Disc Jockey
- ◆ Photographer
- ◆ Dancer
- ◆ Composer
- ◆ Associate Producer

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ National Art Honor Society
- ◆ SkillsUSA
- ◆ National Honor Society
- ◆ Forensics
- ◆ Drama Club



BUSINESS, MANAGEMENT, & ADMINISTRATION

Business Management and Administration careers encompass planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Business Management & Administration career opportunities are available in every sector of the economy.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

SPANISH 1, 2, 3, 4
GERMAN 1, 2, 3, 4, 5
AP CALCULUS
AP STATISTICS
AP PSYCHOLOGY
AP ECONOMICS
AP SPANISH
AP COMPUTER SCIENCE
LEADERSHIP

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

ACCOUNTING 1, 2
CISCO 1, 2
COMPUTER GRAPHICS 1, 2, 3, 4
COMPUTER PROGRAMMING 1, 2
MARKETING YOUR BUSINESS
SPORTS & ENTERTAINMENT MARKETING
PERSONAL FINANCE
WEB PAGE CREATION
SPEECH
HEALTH LITERACY

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Accountant (CPA)
- ◆ HR Manager
- ◆ Insurance Agent
- ◆ Real Estate Broker
- ◆ Tax Preparer
- ◆ Administrative Assistant
- ◆ Business Teacher
- ◆ Systems Analyst
- ◆ Bank Officer

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ FBLA
- ◆ SkillsUSA
- ◆ National Honor Society
- ◆ Global Scholars



EDUCATION & TRAINING

Planning, managing, and providing education and training services, and related learning support services.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

SPANISH 1, 2, 3, 4
GERMAN 1, 2, 3, 4, 5
LEADERSHIP
AP SPANISH
AP COURSES RELATED TO CONTENT INTEREST

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

PARENTING AND CHILD CARE
ASSISTANT CHILD CARE WORKER
SPEECH
SOCIOLOGY
PSYCHOLOGY
WORLD AFFAIRS
MARKETING YOUR BUSINESS
PERSONAL FINANCE

HEALTH LITERACY
HEALTH INFLUENCES
2-D ART 1, 2, 3, 4, 5, 6
3-D ART 1, 2, 3, 4, 5, 6
COMPUTER GRAPHICS 1, 2, 3, 4
PHOTOGRAPHY 1, 2, 3, 4
WEB PAGE CREATION

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Teacher
- ◆ College Professor
- ◆ Childcare Worker
- ◆ Financial Aid Advisor
- ◆ School Administrator
- ◆ Instructional Assistant
- ◆ Barbering/Cosmetology Specialist

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Link Crew
- ◆ Hope Squad
- ◆ National Honor Society
- ◆ SkillsUSA



FINANCE

Planning, services for financial and investment planning, banking, insurance, and business financial management.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

GERMAN 1, 2, 3, 4, 5, 6

SPANISH 1, 2, 3, 4, 5, 6

AP SPANISH

ALGEBRA 1, 2

GEOMETRY

TRIGONOMETRY

STATISTICS AND PROBABILITY

AP STATISTICS

PRE-CALCULUS

AP CALCULUS

AP ECONOMICS

LEADERSHIP

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

ACCOUNTING 1, 2

INTRODUCTION TO BUSINESS

MARKETING YOUR BUSINESS

PERSONAL FINANCE

WEB PAGE CREATION

COMPUTER PROGRAMMING 1, 2

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Accountant
- ◆ Financial Manager
- ◆ Loan Officer
- ◆ Insurance Underwriter
- ◆ Actuaries
- ◆ Real Estate Agent
- ◆ Retail Management
- ◆ Administrative Assistant

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

SCHOOL CLUBS & ORGANIZATIONS

- ◆ FBLA
- ◆ SkillsUSA
- ◆ National Honor Society
- ◆ Math Club
- ◆ Global Scholars Program



GOVERNMENT & PUBLIC ADMINISTRATION

Executing governmental functions to include Governance, National Security, Foreign Service, Planning, Revenue and Taxation, Regulation, and Management and Administration at the local, state, and federal levels.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

SPANISH 1, 2, 3, 4

AP SPANISH

GERMAN 1, 2, 3, 4, 5

CHEMISTRY

AP CHEMISTRY

PHYSICS

AP PHYSICS 1

AP PHYSICS 2

AP STATISTICS

AP HUMAN GEOGRAPHY

AP PSYCHOLOGY

AP ECONOMICS

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

AMERICAN GOVERNMENT

ECONOMICS

INTRO TO BUSINESS

MARKETING YOUR BUSINESS

PERSONAL FINANCE

ACCOUNTING 1, 2

WEB PAGE CREATION

SPEECH

LEADERSHIP

SOCIOLOGY

PSYCHOLOGY

WORLD AFFAIRS

HEALTH INFLUENCES

HEALTH LITERACY

Post-Secondary Schools that have programs related to



POSSIBLE CAREER OPTIONS

- ◆ Paralegal
- ◆ Human Resources
- ◆ Law Enforcement
- ◆ Lawyer
- ◆ Forensics
- ◆ Federal Bureau Investigator
- ◆ Bilingual Office Assistant

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Student Senate
- ◆ Forensics
- ◆ National Honor Society
- ◆ Global Scholars Program



HEALTH SCIENCE

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

STATISTICS AND PROBABILITY/AP

TRIGONOMETRY

PRE-CALCULUS

AP CALCULUS

LEADERSHIP

PHYSICAL EDUCATION

SPANISH 1, 2, 3, 4

AP SPANISH

GERMAN 1, 2, 3, 4, 5

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

BIOLOGY

CHEMISTRY

HUMAN ANATOMY & PHYSIOLOGY

MEDICAL TERMINOLOGY

PHYSICS

PARENTING & CHILDCARE

ASSISTANT CHILDCARE TEACHER

SPEECH

PSYCHOLOGY

AP PSYCHOLOGY

SOCIOLOGY

HEALTH LITERACY

HEALTH INFLUENCES

AP BIOLOGY

PRINCIPLES OF BIOMEDICAL SCIENCES

MEDICAL INTERNSHIP

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Athletic Trainer
- ◆ Chiropractor
- ◆ Dietician
- ◆ Dentist
- ◆ Pharmacist
- ◆ Physician
- ◆ EMT
- ◆ Nursing
- ◆ Veterinarian Assistant

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Hope Squad
- ◆ Link Crew
- ◆ Psychology Club
- ◆ National Honor Society
- ◆ Science National Honor Society



HOSPITALITY & TOURISM

Hospitality and Tourism encompasses the management, marketing, and operations of restaurants and other food services, lodging, attractions, recreation events, and travel related services.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

ACCOUNTING 1, 2
PHYSICAL EDUCATION
GERMAN 1, 2, 3, 4, 5, 6
SPANISH 1, 2, 3, 4
AP SPANISH
AP HUMAN GEOGRAPHY
AP ECONOMICS
AP STATISTICS

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

FOODS 1, 2, 3
INTERIOR DESIGN
SPEECH
YEARBOOK 1, 2
LEADERSHIP
INTRO TO BUSINESS
SPORTS AND ENTERTAINMENT MARKETING
PERSONAL FINANCE
WEB PAGE CREATION

Post-Secondary Schools that have programs related to
this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Marketing Manager
- ◆ Recreation Director
- ◆ Chef
- ◆ Hotel/Restaurant Manager
- ◆ Casino Management
- ◆ Executives
- ◆ Travel Agent

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ SkillsUSA
- ◆ National Honor Society
- ◆ Culture Club
- ◆ Link Crew



HUMAN SERVICES

Preparing individuals for employment in career pathways that relate to families and human needs.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

PSYCHOLOGY	AP EUROPEAN HISTORY
SOCIOLOGY	AP HUMAN GEOGRAPHY
AP PSYCHOLOGY	BIOLOGY
GERMAN 1, 2, 3, 4, 5	AP BIOLOGY
SPANISH 1, 2, 3, 4	STATISTICS AND PROBABILITY
AP SPANISH	AP STATISTICS
AMERICAN GOVERNMENT	WORLD AFFAIRS

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

PSYCHOLOGY
 SOCIOLOGY
 AP PSYCHOLOGY
 SPEECH
 WEB PAGE CREATION
 PARENTING AND CHILDCARE
 ASSISTANT CHILDCARE TEACHER
 HEALTH LITERACY
 HEALTH INFLUENCES
 LEADERSHIP

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ School Counselor
- ◆ FBI Agent
- ◆ Lawyer
- ◆ Psychologist
- ◆ Social Worker
- ◆ Funeral Director
- ◆ Flight Attendant
- ◆ Police Officer/Firefighter
- ◆ Caterer

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Hope Squad
- ◆ Psychology Club
- ◆ National Honor Society
- ◆ Gay Straight Alliance
- ◆ Link Crew



INFORMATION TECHNOLOGY

Building Linkages in IT Occupations Framework: For entry level. Technical, and Professional Careers related to its design, development, support and management of hardware, software, multimedia, and systems integration services.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

GERMAN 1, 2, 3, 4, 5

SPANISH 1, 2, 3, 4

AP SPANISH

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

INTRO TO BUSINESS

MARKETING YOUR BUSINESS

SPORTS & ENTERTAINMENT MARKETING

INTRO TO ENGINEERING DESIGN

PRINCIPLES OF ENGINEERING

CIVIL ENGINEERING & ARCHITECTURE

COMPUTER GRAPHICS 1, 2, 3, 4

COMPUTER PROGRAMMING 1, 2

AP COMPUTER SCIENCE

WEBPAGE CREATION

CISCO 1, 2

ACCOUNTING 1, 2

PERSONAL FINANCE

SPEECH

CREATIVE WRITING

LEADERSHIP

YOUTH APPRENTICESHIP

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Computer Science
- ◆ Digital Arts/Animation
- ◆ Imaging Media
- ◆ Game Design
- ◆ Computer Programmer
- ◆ Computer Service Tech
- ◆ Engineer
- ◆ Network Designer

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ SkillsUSA
- ◆ National Honor Society
- ◆ Robotics



LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY

Planning, managing, and providing legal, public safety, protective services, and homeland security; include professional and technical support services.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

AMERICAN GOVERNMENT
 WORLD AFFAIRS
 SPANISH 1, 2, 3, 4
 GERMAN 1, 2, 3, 4, 5
 AP EUROPEAN HISTORY
 AP BIOLOGY
 AP PHYSICS 1, 2
 AP CHEMISTRY
 AP SPANISH

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

PSYCHOLOGY	HEALTH INFLUENCES
AP PSYCHOLOGY	LEADERSHIP
SOCIOLOGY	MEDICAL TERMINOLOGY
ROTC	HUMAN ANATOMY AND PHYSIOLOGY
SPEECH	PRINCIPLES OF BIOMEDICAL SCIENCES
HEALTH LITERACY	MEDICAL INTERVENTION

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Lawyer
- ◆ Courtroom Judge
- ◆ Forensic Scientist
- ◆ Judicial Reporter
- ◆ Military
- ◆ Police Officer
- ◆ Firefighter/EMT
- ◆ Federal Bureau Investigator

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Hope Squad
- ◆ Link Crew
- ◆ Psychology Club
- ◆ SkillsUSA
- ◆ National Honor Society



MANUFACTURING

Planning, managing, and performing the processing of materials into intermediate or final products. Related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

CHEMISTRY	STATISTICS & PROBABILITY
AP CHEMISTRY	AP STATISTICS
PHYSICS	COMPUTER PROGRAMMING 1, 2
AP PHYSICS 1, 2	AP COMPUTER SCIENCE
ALGEBRA 1, 2	PRECALCULUS
GEOMETRY	AP CALCULUS
TRIGONOMETRY	

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

WELDING
 CONSTRUCTION 2
 CRAFTSMANSHIP
 INTRO TO ENGINEERING & DESIGN
 PRINCIPLES OF ENGINEERING
 CIVIL ENGINEERING AND ARCHITECTURE
 ARCHITECTURE
 YOUTH APPRENTICESHIP

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Mechanical Engineer
- ◆ Chemical Engineer
- ◆ Welder
- ◆ Tool & Die
- ◆ Industrial Engineer
- ◆ Human Resources
- ◆ Industrial Mechanic
- ◆ Appliance Technician
- ◆ Jewelry Fabrication

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ SkillsUSA
- ◆ Robotics
- ◆ National Honor Society



MARKETING, SALES, & SERVICE

Planning, managing, and performing marketing activities to reach organizational objectives.

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

BUSINESS RELATED COURSES

GERMAN 1, 2, 3, 4, 5

SPANISH 1, 2, 3, 4

AP SPANISH

AP PSYCHOLOGY

AP ECONOMICS

AP STATISTICS

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

INTRODUCTION TO BUSINESS

PERSONAL FINANCE

MARKETING YOUR BUSINESS

SPORTS & ENTERTAINMENT MARKETING

WEBPAGE DESIGN

LEADERSHIP

SPEECH

PSYCHOLOGY

SOCIOLOGY

FASHION DESIGN

INTERIOR DESIGN

Post-Secondary Schools that have programs related to this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Marketing Director
- ◆ Fashion Design
- ◆ Athletic/Sports Agent
- ◆ Retail Management
- ◆ Real Estate
- ◆ Fashion Marketing
- ◆ Interior Design
- ◆ Buyer/Purchaser

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ FBLA
- ◆ Forensics
- ◆ SkillsUSA
- ◆ National Honor Society
- ◆ Homecoming Committee



SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS

Planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, research, and developmental services

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

STATISTICS AND PROBABILITY	TRIGONOMETRY
AP STATISTICS	PRE-CALCULUS
AP COMPUTER SCIENCE	CALCULUS/AP
GERMAN 1, 2, 3, 4, 5	BIOLOGY/AP
SPANISH 1, 2, 3, 4	CHEMISTRY/AP
AP SPANISH	PHYSICS/AP 1, 2
EARTH & THE SOLAR SYSTEM	

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

ECONOMICS	CRAFTSMANSHIP
SPEECH	INTRO TO ENGINEERING & DESIGN
COMPUTER GRAPHICS 1, 2, 3, 4	PRINCIPLES OF ENGINEERING
COMPUTER PROGRAMMING 1, 2	CIVIL ENGINEERING & ARCHITECTURE
WEBPAGE CREATION	ARCHITECTURE
PRINCIPLES OF BIOMED SCIENCE	AEROSPACE SCIENCE
WELDING	HEALTH INFLUENCES
CONSTRUCTION 2	HEALTH LITERACY

Post-Secondary Schools that have programs related to
this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Aeronautical Engineer
- ◆ Architect
- ◆ City Planner
- ◆ Engineer
- ◆ Marine Biologist
- ◆ Meteorologist
- ◆ Surveyor
- ◆ Computer Machinist

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ SkillsUSA
- ◆ Robotics
- ◆ National Honor Society
- ◆ Science National Honor Society
- ◆ Math Club
- ◆ Global Scholars



TRANSPORTATION, DISTRIBUTION, & LOGISTICS

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. Related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance

RECOMMENDED GHS COURSES

ALL CORE ACADEMICS (ENGLISH, MATH, SCIENCE, SOCIAL STUDIES)

HIGH FOCUS COURSES

ALGEBRA 1, 2

GEOMETRY

TRIGONOMETRY

STATISTICS & PROBABILITY/AP

PRE-CALCULUS

AP CALCULUS

CHEMISTRY

AP CHEMISTRY

PHYSICS

AP PHYSICS 1, 2

SCIENCE AND SOCIETY

ECOLOGICAL STUDIES

EARTH & THE SOLAR SYSTEM

AP HUMAN GEOGRAPHY

AP ECONOMICS

CAREER AND TECHNICAL COURSES CENTRAL TO THIS PATHWAY

CONSTRUCTION 2

CRAFTSMANSHIP

COMPUTER PROGRAMMING 1, 2

INTRO TO ENGINEERING & DESIGN

PRINCIPLES OF ENGINEERING

CIVIL ENGINEERING & ARCHITECTURE

ROTC

HEALTH INFLUENCES

HEALTH LITERACY

LEADERSHIP

Post-Secondary Schools that have programs related to
this career pathway:



POSSIBLE CAREER OPTIONS

- ◆ Air Traffic Controller
- ◆ City Planner
- ◆ Civil Engineer
- ◆ Truck Driver
- ◆ Pilot
- ◆ Air Force Mechanic
- ◆ Logistical Planner

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ SkillsUSA
- ◆ Robotics
- ◆ National Honor Society
- ◆ Science National Honor Society
- ◆ Math Club
- ◆ Global Scholars



STEP THREE

**COMPREHENSIVE
CAREER
DEVELOPMENTAL
PHILOSOPHY AND
GRADUATION/CAREER
REQUIREMENTS**

COMPREHENSIVE CAREER DEVELOPMENTAL PHILOSOPHY

A MESSAGE FOR THE STUDENT...

The Academic and Career Planning Guide is designed to assist you as you plan for your high school education and post-secondary goals. It is our mission that:

- Students will acquire the self-knowledge necessary to make informed career decisions.
- Students will understand the relationship between educational achievement and career development.
- Students will employ career management strategies to achieve future career success and satisfaction.

You will collaborate and document academic progress and career plans with your School Counselor throughout your high school career. In essence, this Academic and Career Planning Guide provides the framework for determining a course of study that matches your career goals for life after high school. Choosing high school courses involves more than meeting graduation requirements and random elective courses. GHS requires you to use the scheduling process to plan a 4-year foundation that can springboard you into a meaningful career field. This booklet is intended to be used by you, and your parents/guardians, resulting in a valuable high school experience. Listed below are some suggestions to help you prepare for the future, particularly for college or technical vocational training.

1. **Know yourself:** Achievement, abilities, interests, and ambitions are important factors. Initiative, responsibility, and personality will determine your degree of success.
2. **The world of work:** Explore the many occupational fields. Evaluate this information as it relates to your self-evaluation. The *U.S. Department of Labor's Occupational Outlook Handbook*: www.bls.gov is a document that gives information covering 250 occupations. Career interest inventories and further career exploration and planning can be found at <https://login.xello.world> Each student has their own username and password.

Student usernames are: GFIELD-graduation year 1st name initial last name.

Student passwords are: Gsdstudent lunch number.

Please see Student Services with questions.

3. **Plan for your vocation as early as possible:** Start planning your future upon entering high school. Find out all you can about various occupations by talking to people, and asking teachers about jobs that appeal to you.
4. **Plan your high school program:** Certain courses are required for entrance to college.

A MESSAGE FOR THE PARENT/GUARDIAN...

Incoming 9th grade students and parents received information about the importance of careful course selections and career planning during Freshman Orientation of your student's eighth grade year. Currently enrolled students received information at GHS from their school counselor in large group settings and individual meetings. Throughout your student's high school career, the four year plan is updated in meetings with the student, parent/guardian, and counselor. Parents are encouraged to be a part of this planning and are invited to meet individually with their son or daughter and school counselor. Final decisions on course selections are the students and parents, including decisions regarding Advanced Placement classes. Advanced Placement courses are calculated on a weighted grade-point-average scale. It is the students' and parents' responsibility to calculate the impact of Advanced Placement course selections with respect to class rank and GPA throughout the student's high school career.

GRADUATION REQUIREMENTS

Traditionally, students will attend high school for four years in grades 9-12 (8 semesters) successfully completing all the established requirements. Special Education students must meet requirements as identified by their Individual Education Plan (IEP). Each student is to carry at least 6 credits each year with a minimum of 6 classes per semester and must complete 8 semesters of full attendance, unless released under School Board Policy 5464/Early Graduation. Information is available in the Student Services Department. **Early Graduation requests must be made no later than the last day before spring break of a student's junior year.**

It is the policy of the School District of Greenfield, Wisconsin that the following are the requirements for graduation from Greenfield High School:

- It is highly recommended that each student carry a minimum of six (6) credits per year with a minimum of six (6) classes per semester and must complete eight semesters of full attendance, unless released under Policy 5464 (Early graduation).

ENGLISH	4 credits
English 9	1 credit
English 10	1 credit
English 11	1 credit
English 12	1 credit
MATHEMATICS	3 credits
Algebra	1 credit
Geometry	1 credit
Algebra 2 or Math elective	1 credit
PHYSICAL EDUCATION	1.5 credits
P.E. 9	.5 credit
P.E. 10	.5 credit
P.E. Junior or Senior Elective	.5 credit
SCIENCE	3 credits
Biology	1 credit
Physical Science	1 credit
Junior Science Elective	1 credit
SOCIAL STUDIES	3.5 credits
"World/Global" Elective	.5 or 1 credit
U.S. History	1 credit
U.S. History 45	.5 credit
Economics	.5 credit
Social Studies Elective	.5 or 1 credit
OTHER REQUIRED	
Health	.5 credit
Electives	7.5 credits

In alignment with Policy 5460 – Graduation Requirements: Each student must meet the above **23 credit graduation requirements** prior to participation in Greenfield High School's Graduation Ceremony.

Four Year Plan

Grade 9	Grade 10	Grade 11	Grade 12
English 9 (1.0)	English 10 (1.0)	English (1.0)	English (1.0)
Math (1.0)	Math (1.0)	Math (1.0)	
Biology (1.0)	Chemistry (1.0)	Science (1.0)	
Social Studies (0.5-1.0)	Social Studies (1.0)	Social Studies (1.0)	Social Studies (0.5-1.0)
Health (0.5)			
PE 9 (0.5)	PE 10 (0.5)	PE (0.5)	
Elective	Elective	Elective	
Elective	Elective	Elective	
Elective	Elective	Elective	
Elective	Elective	Elective	

Total Credits per year:

6.0-7.0 credits

6.0-7.0 credits

6.0-7.0 credits

5.5 -7.0 credits

Total Credits needed for Graduation: 23

PROGRAMMING POLICIES

1. Each student must earn the **23 credit graduation requirements prior to participation in the graduation ceremony**. (Policy 5460). 0.5 credit is earned for classes that meet for a semester and students must attain a grade of D- or better.

All course selections, unless otherwise indicated, are offered for each school year; however, enrollment must be sufficient for the course to be taught.

Each student is to carry at least 6 credits each year with a minimum of 6 classes per semester and must complete 8 semesters of full attendance, unless released under School Board Policy 5464/Early Graduation. Information is available in the Student Services Department. **Early Graduation requests must be made no later than the last day before spring break of a student's junior year.**

Permanent Record

A permanent record is maintained on each student containing the following information: student name, dates of enrollment, courses taken, final grades received, credits earned, attendance, cumulative grade point average, and rank in class.

Transcripts

A transcript is used for college/technical school applications, job applications, scholarship applications, military enlistment, pre-trial/security clearance investigations, etc. A transcript is official if signed and sealed by the high school and mailed directly to the college, employer, etc. If a student hand carries a copy of their transcript to a prospective school or employer, the record must be stamped "unofficial". Senior students receive three transcripts for free then are charged \$1.00 per transcript. Graduates will be charged \$3.00 per transcript request. **Transcripts will not be released until all student obligations, including financial, have been met.**

A transcript may not be released without written authorization from the student (if 18 years or older) or from a parent/guardian (if the student is a minor). Written authorization for release of transcript records must be provided to the Student Services Office. A separate form must be completed for each transcript needed. Release forms are available in the Student Service Office.

Course Selections

All course selections are considered final when they are submitted in February. Drop forms to move to a study hall will be available the first week of the semester. **NO** changes will be made for lunches. Any changes made after the first week of the semester will result in an "F" for the semester grade.

Cum Laude Graduation Recognition

Starting with the graduating class of 2021 and beyond the Cum Laude system will be in place for recognition at graduation. Qualifications for the Cum Laude system include:

1. Earn at least 26 credits
2. Earn a 3.8 GPA or higher (all GPA calculations based on current GPA structure.)
Cum Laude – 3.8 GPA with successful completion of at least "one" Advanced Placement Course
Magna Cum Laude – 4.0 GPA with successful completion of at least "three" Advanced Placement Courses
Summa Cum Laude – 4.2 GPA or higher with successful completion of at least "five" Advanced Placement Courses
3. Receive no academic integrity violations
4. Perform a minimum of 60 community service/volunteer hours
5. Participate in a co-curricular for a minimum of three years during high school

Current Weighted Grade Policy for all students.

The following weighted scale will be used to calculate GP for Advanced Placement classes taught by Greenfield High School teachers or recognized staff:

<u>Standard Scale</u>	<u>AP Scale</u>
A = 4.00	5.00
A- = 3.67	4.67
B+= 3.33	4.33
B = 3.00	4.00
B- = 2.67	3.67
C+= 2.33	3.33
C = 2.00	3.00
C- = 1.67	2.67
D+= 1.33	2.33
D = 1.00	2.00
D- = .67	1.67
F = 0	0

Advanced Placement classes are defined as those endorsed by the College Board.

These classes provide those students who are inspired, motivated, and advanced, the opportunity to try college-level curriculum at the high school level. Students who elect to enroll in AP courses receive high school credit as well as the potential to earn college credit. Please be advised that AP classes are more rigorous, demanding, and require more outside class work than non-AP classes. The College Board sets the academic standards for all AP classes. Thousands of colleges worldwide will award credit or advanced placement to students who receive a “qualifying” grade on the AP exam. Many of the AP courses require students to complete a summer course preparation assignment in order to ensure student success in the course. Please see your counselor for more details.

AP EXAMS: The College Board administers AP exams to hundreds of thousands of high school students throughout the nation each spring. GHS students are encouraged to take the exam, although it is not mandatory. The exams are given in May on designated school days. The current cost is \$96.00 for each exam. While AP exams are open to any student who registers by the deadline, it is very difficult to score well without having been enrolled in a certified AP course.

Students who take courses extending beyond GHS’s AP track from accredited institutions of higher education through the Youth Options Program also qualify for the AP Grading Scale beginning with the class of 2014.

Note: AP class offerings may vary from year to year based upon student enrollment. Typically, GHS has offered the following AP courses:

AP Biology	AP Environmental Science	AP Physics 1, 2
AP Calculus AB	AP European History	AP Psychology
AP Chemistry	AP Human Geography	AP U.S. History
AP Computer Science	AP Spanish Language and Culture	AP Economics-Macro and Micro test
AP English Language	AP Statistics	
AP English Literature	AP Studio Art: 2D Design	

STEP FOUR

**College Admissions
Requirements and
GHS Special
Programs**

COLLEGE ADMISSIONS REQUIREMENTS

The University of Wisconsin system requires a minimum of 17 high school credits distributed as follows:

Core College Preparatory Credits 13 credits

English	4 credits
Mathematics	3 credits
Social Studies	3 credits
Natural Science	3 credits

Elective Credits 4 credits

Elective	4 credits (four additional courses must be taken from: English, math, science, social studies, foreign language, fine arts)
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- * **English courses** accepted as college preparatory credits should emphasize an understanding of composition, literature, and rhetoric.
- * **Mathematics courses** include algebra, geometry and all other mathematics courses requiring algebra or geometry as prerequisite.
- * **Social Science courses** include history, political science, geography, and theoretical studies of culture, economics, and human behavior and societies.
- * **Science courses** include biology, chemistry, physics, earth science, physical science, and all other courses that emphasize theory and have a significant laboratory component.
- * **Elective credits** include additional core college preparatory credits, foreign language, fine arts, computer science, and other academic areas.

PLEASE NOTE: Specific admission requirements vary from college to college. Class ranks, grade point average, breadth and rigor of courses selected, participation in extra-curricular and community service activities, and college entrance test scores (ACT) are all considered in the admission process.

FOREIGN LANGUAGE REQUIREMENTS: Some colleges require a foreign language as part of their entrance requirements. UW-Madison requires a three to four consecutive years of a single foreign language as an entrance requirement. UW-Milwaukee and UW-LaCrosse strongly recommend at least two consecutive years of a single foreign language but do not require it. Be sure to check the admission requirements for the specific colleges you are interested in, as multiple other universities have specific recommendations regarding foreign language. Many colleges include a foreign language as a degree requirement and the credits earned in high school may be used to fulfill or partially fulfill this requirement. Students continuing in the same foreign language at many colleges can apply for retroactive credits for the classes they have already completed in high school.

STANDARDIZED TEST REQUIREMENTS: The UW-System and Private Colleges require the ACT or SAT test results. Take the ACT or SAT in the spring of your junior year, and have your scores sent to the campuses you are interested in attending. Visit uwhelp.wisconsin.edu/actsatfaq for ACT/SAT details.

ACT Preparation:

GHS highly recommends that students consider enrolling in ACT prep courses offered by private vendors. These courses are available for a fee but offer intense ACT preparations for your student over a longer duration. There are ACT test prep resources available to check out in Student Services also.

Though ACT prep courses are a very important part of ACT success, remember that the best way to ensure ACT success for your student is to have them engage in the most rigorous GHS coursework available throughout their high school career. ACT preparation begins with the course selection process.

ACT/SAT information.... Register online or practice for either test

www.actstudent.org (ACT)

www.collegeboard.com (SAT)

PRIVATE COLLEGES & OUT-OF-STATE COLLEGES have admission standards similar to the UW System. **However, they reserve the right to set their own standards which may vary from college to college.**

****University of MN requires 1.0 credit Fine Arts, 4.0 credits of Math & 2.0 credits Foreign Language for admission*****

NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE

Student College Athletes Divisions I and II Initial-Eligibility Requirements

Core Courses

- **NCAA Divisions I and II require 16 core courses.** See the charts below.
- **Beginning August 1, 2018, NCAA Division I will require 10 core courses** to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become "locked in" at the start of the seventh semester and cannot be retaken for grade improvement.
- *Beginning August 1, 2016, it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.*

Test Scores

- **Division I & II** use a sliding scale to match test scores and core grade-point averages (GPA).
- The SAT score used for NCAA purposes includes **only** 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.
- **When you 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 transcripts will not be used.**

Grade-Point Average

- **Be sure** to look at your high school's List of NCAA Courses on the NCAA Eligibility Center website (www.eligibilitycenter.org). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- **Division I** GPA required to be eligible for competition is 2.300 (corresponding test-score requirements are listed on the Sliding Scale).
- **The Division II** core GPA requirement is a minimum of 2.200. (corresponding test-score requirements are listed on the Sliding Scale).
- **Division II** core GPA required to receive athletics aid and practice as a partial qualifier is 2.000.
- Remember, the NCAA GPA is calculated using NCAA core courses only.

<p>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 lab if offered by high school). 1 year of additional English, mathematics or natural/physical science. 2 years of social science. 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).</p>	<p>DIVISION II 16 Core Courses 3 years of English. 2 years of mathematics (Algebra I or higher). 2 years of natural/physical science (1 year of lab if offered by high school). 3 years of additional English, mathematics or natural/physical science. 2 years of social science. 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).</p>

GHS NCAA CLEARINGHOUSE APPROVED COURSES

The NCAA has approved the following courses for use in establishing the initial-eligibility certification status of student-athletes from this school:

ENGLISH

English 9, 10, 11, 12
AP Eng. Lang. & Comp.
AP Eng. Lit. & Comp.
Honors English 9, 10
Creative Writing
Speech

SOCIAL SCIENCE

American Government
Economics
AP European History
Psychology
Sociology
U.S. History
U.S. History 45
AP U.S. History
World Affairs
World History
Global Studies
Honors US 45
AP Psychology
AP Human Geography

ADDITIONAL COURSES

German 1, 2, 3, 4, 5
Spanish 1, 2, 3, 4
AP Spanish

MATHEMATICS

Algebra 1
Algebra 2
AP Calculus
Geometry
Honors Geometry
Pre-Calculus
Statistics and Probability
Trigonometry
AP Statistics and Probability

NATURAL/PHYSICAL SCIENCE

Biology
AP Biology
Chemistry
AP Chemistry
Honors Biology
Honors Chemistry
Human Anatomy and Physiology
Intro Chemistry
Intro Physics
Physics
AP Physics 1 & 2
Ecological Studies
Science & Society
Earth and the Solar System

It is the student athlete's and their parents/guardians' responsibility to choose coursework that meets NCAA Clearinghouse Requirements. It is also the student's responsibility to be aware of GPA requirements of the NCAA. There is a \$90 registration fee to register with the NCAA Clearinghouse. Please visit <http://www.eligibilitycenter.org> for more information.

SPECIAL PROGRAMS

ALTERNATE PHYSICAL EDUCATION

Students may apply for the alternative physical education option as a junior or during the first semester of their senior year. To qualify for alternative physical education, a student must take part in an organized sport in which the practices and competitions exceed a total of 75 hours (all GHS teams meet this requirement). If a student is interested in this alternative option, they must fill out a contract **prior** to the start of the season. If a student is injured during the season and does not complete the season, is deemed academically ineligible to compete or has a violation of the athletic code, they will not receive the alternative physical education option. A student may elect the Alternative PE option one time. Students must take an additional 0.5 credits in English, social studies, mathematics, science or health education in place of the physical education 0.5 credit. If you are interested in this option, please see the GHS Athletic Director for a contract and verification form.

GIFTED AND TALENTED PROGRAM

The purpose of Greenfield High School's gifted and talented programming is to provide students who are intellectually, creatively, or academically able with extensions for their learning. Programming will also address the unique needs of leaders and students gifted in the visual and performing arts. It will provide a variety of educational experiences beyond those normally provided.

The concept requires that the talent potential of all children is consistently and continuously assessed for the purpose of appropriate instruction, thus providing continuous and systematic programming options which will better assure equality of opportunity for all students. The program is designed to be inclusive, allowing more students the opportunity to opt in and out of programming options.

It begins in a regular classroom with differentiation of the regular curriculum to meet learning styles and abilities of each student. It may include participation in small groups designed to meet the specific needs of gifted and talented students. If appropriate, specialized classes and co-curricular offerings are available to offer a better match between ability and learning. Accelerated, advanced placement programs, electives, and courses at nearby colleges and universities are among the curriculum options available for the gifted and talented students.

SPECIAL EDUCATION

Greenfield High School provides a wide range of services for students classified as having exceptional educational needs. Formal on campus programs with certified staff, are offered for students in the following areas: Cognitively Disability (mild/severe), Specific Learning Disabilities, Emotional/Behavioral Disabilities, and Speech/Language. Students with disabilities in other areas, such as vision or hearing are provided with services on an individual basis. Student entry into a special education program is through the referral and assessment process. Referrals can be initiated by staff members, parents or other concerned individuals. All phases of the special education assessment and programming are conducted in conformity with IDEA (Individuals with Disabilities Education Act). For special education classes, see the special education registration handbook.

INDEPENDENT STUDY

Independent Study classes provide able learners with an opportunity to pursue their studies in course offerings which go beyond the regular classroom curriculum. Independent Study will allow students, together with their teacher/mentors, an opportunity to design a specialized course of study with greater depth or breadth than found in the regular classroom. Students may earn up to 1.0 credit for an Independent Study class. Independent Study contracts are available in the Student Service Center.

SATISFACTORY/UNSATISFACTORY GRADING SYSTEM

Greenfield High School students have the option to take certain courses on a Satisfactory/Unsatisfactory grading system as long as it is in addition to the five (5) required credits per year. The student must apply for Satisfactory/Unsatisfactory grading by the end of the first four weeks of the semester. A student will receive either a half or full credit for a Satisfactory/Unsatisfactory course and the S/U grade will be included on the report card and permanent record, but the S/U grade will not be included in the grade point average but may affect rank in class. **(Students must have earned at least a "C" average in the class to receive an "S" grade. If grades average below a "C" a "U" for Unsatisfactory and no credit will be recorded).**

ENGLISH LEARNERS (EL)

The English Learners (EL) Program is designed to service multilingual students whose first language is one other than English. Students develop English language skills in listening, reading, speaking and writing through language study and through the academic content of their classes. Furthermore, the EL Program provides support for students' social, cultural, and educational needs.

TEACHING ASSISTANT

Students who serve as Teaching Assistants to departments, individual teachers and/or administrators perform tasks described by the teacher/administrator. For example, a student may set up labs, assist in writing protocols or assist in organizing projects. Teacher assistant positions are in place of a study hall and are non-credit bearing. Teacher assistant applications are located in the Student Services Office.

ALTERNATIVE GREENFIELD HIGH SCHOOL

The GHS Alternative School has been established in order to provide an alternative environment to students whose educational needs are not being satisfied in a traditional school setting. It is the mission of GHS Alternative to meet those needs, while promoting social, academic, and vocational advancement. The Alternative School will apply non-traditional techniques to provide opportunities for their success.

RESTORATIVE ASSESSMENT

Restorative Assessment provides an opportunity to reclaim missing credits with personalized support. Restorative Assessment students work independently in a small group environment and receive teacher instruction as needed. Students work on courses that they have been previously unsuccessful in. If a student is unsuccessful with the Restorative Assessment course, they will be expected to remediate the course in the traditional setting. The goal of Restorative Assessment is to empower students to take personal responsibility and recover credits while maintaining active participation in the traditional school setting.

PART-TIME OPEN ENROLLMENT: Eligible high school students will be permitted to attend up to two courses at a time in a nonresident school district. This is open to public school districts only. Please see your school counselor for information.

EARLY COLLEGE CREDIT/START COLLEGE NOW PROGRAMS

Applications for the Start College Now and Early College credit programs are due to student services by **March 1st** for enrollment in the fall semester and **October 1st** for the spring semester.

Early College Credit: This program is open to public and private high school students grades 9-12. This program only applies to courses at the UW System, Tribal Colleges and Private Non-profit Institutions of Higher Education. Students may take up to 18 college credits throughout their high school career.

Start College Now: Allows 11th and 12th grade students to attend courses at a technical college. Technical colleges will work individually with school districts. Students may take up to 18 college credits throughout their high school career.

Approved courses taken at a technical school or higher count toward high school graduation as well as for college credit. Students must provide their own transportation. Course selections must be above and beyond what the student has taken at GHS.

Under Start College Now and/or Early College Credit a student may have to pay towards tuition for a college course if the school board determines the course qualifies for high school credit and is not comparable to a course already offered in the school district. If the course is approved by the school board, the student can receive both high school and college credit upon successful completion of the course. A student who successfully completes his or her high school graduation requirements will earn a high school diploma regardless of whether the requirement was met while attending the high school or a college.

Students who take courses extending beyond GHS's AP track from accredited institutions of higher education through the Early College Credit also qualify for the AP Grading Scale
Approved July, 2009

Students who are interested in the Early College Credit or the Start College Now Programs should see their school counselor for information.

CAREER FOCUSED OPPORTUNITIES

STATE CAREER CLUSTERS

Career clusters identify pathways from secondary school to two- and four-year colleges, graduate school, and the workplace, so students can learn in school and what they can do in the future. This connection to future goals motivates students to work harder and enroll in more rigorous courses. School Counselors can use career clusters to help students explore options for the future. Current information on the academic, technical, and college requirements students need for a wide range of careers can be found in the current *Career Clusters Knowledge and Skills* and *Career Clusters Plans of Study* at <https://careertech.org/career-clusters>. Please review pages 5-20 and consider what cluster(s) might best suit you.

YOUTH APPRENTICESHIP PROGRAMS

These are paid, work-based opportunities that enable students, with senior status, to develop skills in their chosen career area while learning in the classroom and on the job. Upon completion of 450 hours of related work experience and completion of the Competency Checklist, students are granted a level 1 Youth Apprenticeship Certificate from the Wisconsin Department of Workforce Development. Students must provide their own transportation to the worksite. For further information see: <https://dwd.wisconsin.gov/youthapprenticeship/become-youth-apprentice.htm> and stop in student services to set up a meeting with the District Youth Apprenticeship Coordinator: Mr. Tom Hermann thermann@whitnall.com

INTERNSHIPS: The School District of Greenfield is working to expand internship opportunities for students at Greenfield High School. These opportunities are career focused, unpaid opportunities to gain real life experience in the student's field of choice. Current internship opportunities exist in the fields of *Computer Programming* and *Fire Science*. See your school counselor for more information.

PROJECT LEAD THE WAY

Project Lead the Way Inc. (PLTW) is a non-profit organization focused on introducing and preparing high school students for engineering, biological sciences, and technical careers of the future. PLTW forms partnerships with public schools, higher education institutions, and the private sector to increase opportunities for students in engineering and technical fields. Particularly, PLTW provides a high rigor, project-based curriculum meeting national science and math standards, professional development for teachers and school counselors and a comprehensive national support network. PLTW courses are accessible to college-bound engineering and biological science students as well as students who may not have thought of college and a career in a technical field. The courses are based on problem-solving, teamwork, communication and leadership as the students also build math, science, and technology skills to prepare for and succeed in tomorrow's careers.

PLTW has developed a four year sequence of courses which, when combined with college preparatory mathematics and science courses in high school, introduces students to the scope, rigor, and discipline of engineering, engineering technology and biological sciences prior to entering college.

The courses for the Engineering area are:

- Introduction to Engineering Design
- Principles of Engineering
- Civil Engineering and Architecture

The courses for the Biological Sciences area are:

- Principles of Biological Science
- Medical Intervention

Introduction at this level will attract more students to engineering and biological science and will allow students to determine if engineering and/or biological science are their desired careers. In addition, students completing PLTW classes are eligible for scholarships, credits and other considerations when applying to colleges similar but not limited to Marquette University and MSOE.

All PLTW high school courses have several underlying content areas in common. As students progress through the sequence they will become proficient in:

- Working as a contributing member of a team.
- Leading a team.
- Using appropriate written and/or visual mediums to communicate with a wide variety of audiences.
- Public speaking.
- Listening to the needs and ideas of others.
- Understanding the potential impact their ideas and products may have on society.
- Thinking.
- Problem-solving.
- Managing time, resources, and projects.
- Researching.
- Going beyond the classroom for answers.
- Data collection and analysis.
- Preparing for two and four-year college programs.

Below is a brief summary of courses offered at GHS and suggestions for enrollment:

GHS Classes	Suggested Grade for Enrollment			
	Freshman	Sophomore	Junior	Senior
Principles of Biomedical Science	Yes, if Top 10 in Science	Yes	Yes	Yes
Medical Intervention	No	Yes	Yes	Yes
Introduction to Engineering Design	Yes, if also enrolled in Algebra or Geometry your freshman year	Yes	Yes	Yes
Principles of Engineering	No	Yes	Yes	Yes
Civil Engineering and Architecture	No	No	Yes	Yes

For more information on Project Lead the Way, visit www.pltw.org.

MATC ARTICULATED TRANSCRIPTED CREDIT COURSES

A number of courses offered at Greenfield High School also earn “Transcribed Credit” in Associate Degree and Diploma programs at Milwaukee Area Technical College. These courses are recognized by MATC as the equivalent of some courses included in the Associate Degree or Diploma Programs. “Transcribed Credit” is a course in which a student earns MATC credit that can be applied to an MATC program or transferred to another institute of higher learning.

- CISCO 1 & 2
- Accounting 2
- Medical Terminology

STEP FIVE

**CHOOSE YOUR
COURSES**

GREENFIELD HIGH SCHOOL

COURSE OFFERINGS

FOR 2022-23

(BY DEPARTMENT)

All courses, including Career and Technical Education courses are available without discrimination based on sex, race, color, national origin, or disability.” (Policy 2260)

AEROSPACE SCIENCE

AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)



COURSES OFFERED (* indicates a prerequisite) CREDITS

- AEROSPACE SCIENCE 100 Journey into Aviation ----- 1 CREDIT
History/LEADERSHIP EDUCATION 100
- AEROSPACE SCIENCE 200 Cultural Science, Science of----- 1 CREDIT
Flight/LEADERSHIP EDUCATION 200*
- AEROSPACE SCIENCE 300 Exploration of Space/LEADERSHIP - - 1 CREDIT
EDUCATION 300*
- AEROSPACE SCIENCE 400 Financial Management/ principles - - 1 CREDIT
of Management/LEADERSHIP EDUCATION 400*

POSSIBLE CAREER OPTIONS

- ◆ Pilot
- ◆ Combat Systems Officers
- ◆ Remotely Piloted Aircraft Pilots
- ◆ Air Battle Managers
- ◆ Public Affairs Officer
- ◆ Government Leader
- ◆ Air Traffic Control

9th GRADE OPTIONS

AEROSPACE SCIENCE 100/
LEADERSHIP 100

10th GRADE OPTIONS

AEROSPACE SCIENCE 200/
LEADERSHIP 200*

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

11th GRADE OPTIONS

AEROSPACE SCIENCE 300/
LEADERSHIP 300*

12th GRADE OPTIONS

AEROSPACE SCIENCE 400/
LEADERSHIP 400*

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ AFJROTC Leadership/ Academic Bowl Team
- ◆ AFJROTC Rocket Club
- ◆ AFJROTC Drill Team



LEADERSHIP & CITIZENSHIP

AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)

Aerospace Science-Leadership-Wellness/Physical Training

This elective course will combine the United States Air Force Core Values of Integrity, Service and Excellence with Aerospace Science, Leadership Education, and Wellness/Physical Training to build confidence, teamwork, problem-solving abilities, leadership skills and self-discipline. The Cadets will learn about and live by an Honor Code throughout their Greenfield High career. The **Mission** of this program is to **develop citizens of character dedicated to serving their nation and community**. There is **no** requirement to join the military for participating in the program. Cadets will find, plan, organize and participate in numerous Service Events in the SE Wisconsin area. Community and school service projects promote good citizenship, responsibility and self-esteem. Cadets will have the opportunity to travel for various aerospace related events as well as fly on a training mission with the 128th Refueling Wing stationed at Mitchell Air National Guard Base. Cadets will wear the Air Force uniform once each week and earn ribbons and medals to wear on it. Promotions recognize cadets' past performance and their potential for added responsibility. Cadets will learn traditional military drill maneuvers to promote teamwork, focus, attention to detail and communication. Cadets march in local parades and enjoy several evening functions including three Awards and Promotion Ceremonies and the Military Ball. As cadets progress, they assume leadership positions within the group to refine their skills and third and fourth year cadets hold key staff positions. Course work prepares cadets for military and civilian careers. Cadets earn certificates after a minimum of two years in AFJROTC which give them significant benefits if they join the military after graduation. Benefits include advanced rank if enlisting in any branch of service or better access to ROTC scholarships and service academy appointments if going to college. Cadets pursuing civilian careers use their AFJROTC experience as strong support for college admission, scholarships and employment applications. Members of Kittyhawk National Air Honor Society tutor other cadets and wear an honor cord at graduation. Cadets may earn activity medals, ribbons and badges for participation in unit and school extracurricular activities including Color Guard, Drill Team, Rocket Club, Orienteering Team, community service, and other GHS clubs. Cadets successfully completing the course may attend the Leadership Laboratory School located at Scott Air Force Base, IL. The instructor's will assist parents and guardians throughout their cadet's high school career by mentoring and guiding these fantastic young men and women towards lives of dedication and character.

Cadets at all levels will participate in the Presidential Physical Fitness Program and be evaluated three times per year. The goal is for improvement as a healthy lifestyle is a habit and will improve a person's quality of life. Cadets will participate in different sports each Friday to improve teamwork, communication, motivation and personal health.

AEROSPACE SCIENCE 100 (AS-1), Journey into Aviation History/LEADERSHIP EDUCATION 100 (LE-1)

5811 Citizenship, Character & Air Force Tradition

1 Credit

5812

●9 ●10 (●11 ●12: may take with teacher consent)

The primary mission of the Air Force JROTC Leadership and Citizenship Program is to develop citizens of character dedicated to serving their nation and communities. Cadets will study the history of aviation and the development of airpower from ancient civilizations and flight, then progress through time to future developments in aerospace, with an introduction into cyber technologies. Secondly they will study the essential components of leadership education to include followership, personal behavior, the foundations of citizenship, and drill and ceremonies, a time tested laboratory for developing leadership skills. Finally, Cadets will also participate in Health and Wellness, which will develop a higher level of personal physical fitness.

AEROSPACE SCIENCE 200 (AS-2) Cultural Science, Science of Flight/LEADERSHIP EDUCATION 200 (LE-2)

5821 Communications, Awareness & Leadership

1 Credit

5822

- Second year cadets – AS-1/LE-1
- Third year cadets – AS-1/LE-1 and AS-3

The primary mission of the Air Force JROTC Program is to develop citizens of character dedicated to serving their nation and communities. Cadets will study the world's cultures through the study of world affairs, regional studies, and cultural awareness. Secondly, Cadets will learn about the Science of Flight by focusing on how airplanes fly, how weather conditions affect flight, flight and its effect on the human body. Thirdly, they will study the essential components of leadership education to include the communication process, developing team work, leadership characteristics, leadership styles, preparing for leadership positions, and drill and ceremonies, a time tested laboratory for developing leadership skills. Finally, Cadets will also participate in Health and Wellness, which will develop a higher level of personal physical fitness.

AEROSPACE SCIENCE 300 (AS-3) Exploration of Space/LEADERSHIP EDUCATION 300 (LE-3)

5831 Life Skills & Career Opportunities

1 Credit

5832

- Second year cadets – AS-1/LE-1
- Third year cadets – AS-1/LE-1 and AS-2/LE-2

The primary mission of the Air Force JROTC Program is to develop citizens of character dedicated to serving their nation and communities. Cadets will study the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, on into modern astronomy, and the current plan to colonize the planet Mars. Secondly, Cadets will study management principles to prepare them to serve in leadership roles within the Air Force JROTC Program. Thirdly, they will study the essential components of leadership education to prepare them for life after high school in the high-tech, globally oriented, diverse workplace of the 21st century, and drill and ceremonies, a time tested laboratory for developing leadership skills. Finally, Cadets will also participate in Health and Wellness, which will develop a higher level of personal physical fitness.

**AEROSPACE SCIENCE 400 (AS-4) Financial Management/ Survival/ Principles of Management/
LEADERSHIP EDUCATION 400 (LE-4)**

5841 Management of the Cadet Corps

1 Credit

5842

- AS-1/LE-1, AS-2/LE-2 & AS-3/LE-3 and teacher consent
- Grade 12 may take concurrently with AS-2/LE-2 or AS-3/LE-3 with teacher consent

The primary mission of the Air Force JROTC Program is to develop citizens of character dedicated to serving their nation and communities. Cadets will study financial management to prepare them to be financially independent through budgeting, investing, understanding good vs bad debt and examining the various types of financial services available. Secondly, the cadets manage the entire corps during the fourth year. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. They practice their communication, decision-making, personal-interaction, managerial, and organizational skills and continue to do drill and ceremonies, a time tested laboratory for developing leadership skills. Finally, Cadets will also participate in Health and Wellness, which will develop a higher level of personal physical fitness.

ART & DESIGN

COURSES OFFERED (* indicates a prerequisite) CREDITS

2-D ART 1, 2*, 3*, 4*, 5*, 6* -----	.5 CREDIT
AP 2-D DESIGN PORTFOLIO* (drawing/painting emphasis) ----	1 CREDIT
3-D ART 1, 2*, 3*, 4*, 5*, 6* -----	.5 CREDIT
COMPUTER GRAPHICS 1, 2*, 3*, 4*, 5*, 6*-----	.5 CREDIT
PHOTOGRAPHY 1, 2*, 3*, 4*, 5*, 6* -----	.5 CREDIT
AP 2-D DESIGN PORTFOLIO* (photography emphasis) -----	1 CREDIT
INTERIOR DESIGN 1, 2*-----	.5 CREDIT
CLOTHING CONSTRUCTION -----	.5 CREDIT
FASHION DESIGN*-----	.5 CREDIT



POSSIBLE CAREER OPTIONS

- ◆ Photographer
- ◆ Graphic Designer
- ◆ Interior Designer
- ◆ Artist
- ◆ Fashion Designer
- ◆ Associate Producer
- ◆ Designer
- ◆ Web Designer
- ◆ Camera Technician

9th GRADE OPTIONS

2-D ART 1, 2*
 3-D ART 1, 2*
 COMPUTER GRAPHICS 1, 2*
 PHOTOGRAPHY 1, 2*
 INTERIOR DESIGN 1
 CLOTHING CONSTRUCTION
 FASHION DESIGN*

10th GRADE OPTIONS

2-D ART 1, 2*, 3*, 4*
 3-D ART 1, 2*, 3*, 4*
 COMPUTER GRAPHICS 1, 2*, 3*, 4*
 PHOTOGRAPHY 1, 2*, 3*, 4*
 INTERIOR DESIGN 1, 2*
 CLOTHING CONSTRUCTION
 FASHION DESIGN*

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

11th GRADE OPTIONS

2-D ART 1, 2*, 3*, 4*, 5*, 6*
 3-D ART 1, 2*, 3*, 4*, 5*, 6*
 COMPUTER GRAPHICS 1, 2*, 3*, 4*, 5*, 6*
 PHOTOGRAPHY 1, 2*, 3*, 4*, 5*, 6*
 INTERIOR DESIGN 1, 2*
 CLOTHING CONSTRUCTION
 FASHION DESIGN*

12th GRADE OPTIONS

2-D ART 1, 2*, 3*, 4*, 5*, 6*
 AP 2-D DESIGN PORTFOLIO*
 (drawing & painting emphasis) OR
 (photography emphasis)
 3-D ART 1, 2*, 3*, 4*, 5*, 6*
 COMPUTER GRAPHICS 1, 2*, 3*, 4*, 5*, 6*
 PHOTOGRAPHY 1, 2*, 3*, 4*, 5*, 6*
 INTERIOR DESIGN 1, 2*
 CLOTHING CONSTRUCTION
 FASHION DESIGN*

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ National Art Honor Society
- ◆ SkillsUSA
- ◆ National Honor Society
- ◆



ART



Notice like an artist and learn to use dry and wet art supplies to express yourself and communicate ideas.

8091 2-D ART 1 .5 Credit

●9 ●10 ●11 ●12

Required for all other 2D classes. Take these classes in order starting with 2D 1 in whatever grade you are in.

“Art without Fear” No experience necessary. You learn what you need to know. This course covers the basic elements of art and design. This “Hands On” intro level class is suitable for students of all abilities. The course includes design projects, drawing, printmaking, collage and painting techniques. Build art confidence in a low stress environment. If you are pursuing a future in art this is where you begin to build your portfolio. Learn to Learn through Art.

8092 2-D ART 2 .5 Credit

Prerequisites: Successful completion of 2-D Art Sampler 1

●9 ●10 ●11 ●12

Now that you are more courageous about creating and using strategies for getting new ideas, APPLY the skills you have been learning to express your own ART VOICE. Choose how you will meet the Learning Targets. Use traditional and digital art materials in this state of the art studio. Apply what you learn through art - connect your learning. Focus moves from getting feet wet and trying 2D techniques to customizing and exploring them for your own intentions and applications.

8093 2-D ART 3 .5 Credit

Prerequisites: Successful completion of 2-D Art 2

●9 ●10 ●11 ●12

Level up your ideas, independence and skills to more sustained investigations. Combine your interests and dig deeper into your own choices. Use traditional and digital art materials in this state of the art - art studio. Learn to make and follow your OWN plan while making and learning about Art and Art History. 2D Level 3 students work with increasing independence and challenge. In addition to portfolio development, moving art experiences beyond the classroom to exhibits, contests and external collaborations is guided and expected.

8094 2-D ART 4 .5 Credit

Prerequisites: Successful completion of 2-D Art 3

●9 ●10 ●11 ●12

In Level 4 the focus moves from using 2D techniques, idea generation strategies to using strengths to cultivating voice as you develop skills in drawing, painting and printmaking to build a portfolio..

In addition to portfolio development, you are guided and expected to apply learning beyond the classroom to exhibits, contests and external collaborations. How will you better self and community with your art powers?

Artwork may be used to build AP 2D Drawing Portfolio in the future.

8095 2-D ART 5 .5 Credit

Prerequisites: Successful completion of 2-D Art 4

●9 ●10 ●11 ●12

Show your VOICE! You have the skills to draw what you see, you are working toward more and more control and illusion of form. You can use a variety of resources and media to explore new ideas, experiment and develop your portfolio. Use traditional and digital art materials in this state of the art studio. RECOMMENDED to take to supplement AP 2D DRAWING Portfolio. Strive for Mastery through Art. .

8096 2-D ART 6 .5 Credit

Prerequisites: Successful completion of 2-D Art 5

●9 ●10 ●11 ●12

This course takes students to the next level in drawing. EXPRESS YOURSELF! Even if you don't plan to go further in art, this hands on class allows you to exercise the creative side of your brain. Visual thinking skills and drawing techniques allow you to explore your own ideas within a framework. If you are pursuing a future in art this is where you begin to build your portfolio. RECOMMENDED to take to supplement AP 2D DRAWING Portfolio. Strive for Mastery through Art.

8161 ADVANCED PLACEMENT (AP) 2-D DESIGN PORTFOLIO (with an emphasis in Drawing & Painting) 1 Credit

Prerequisite: Technically none. You will want to have had several 2D classes before embarking on this journey. Juniors with approval. Recommend: Seniors. Fee for AP Portfolio submission.

In 2D AP Drawing and Design the focus is building your drawing, painting and/or printmaking skills to create a series of work based on your curiosity about a topic. The rigor of this course and the depth of your personal investigation contribute to life skills that are useful in most post secondary situations. Successful submission and passing scores may result in college credit.



Experiment with building dimensional art and ideas. Use clay, cardboard and more.

8101 3-D ART 1 .5 Credit

●9 ●10 ●11 ●12

Required for all other 3D classes.

Fun hands on intro level class suited for students of ALL abilities. “Art without Fear”. No experience or “Artistic talent” necessary, Honest. You can do it. You’ll learn problem-solving techniques, useful life skills and learn that mistakes are actually a useful part of learning. A fun class where you use a variety of materials and have lots of choices. Walk away feeling like you learned useful skills.

8102 3-D ART 2 .5 Credit

Prerequisites: Successful completion of 3-D Art Sampler 1

●9 ●10 ●11 ●12

More hands on fun, taken to level 2! Still suited for students of ALL abilities.

More “Art without Fear”. Still no “Artistic talent” necessary, Honest. You can do it.

APPLY the skills you have been learning to express your ART VOICE. You’ll actually learn what you need to know. Continue to understand that mistakes are a useful part of learning! Improve your problem-solving and increase those *useful* life skills, all using Art. Experiment with a variety of materials. More choice. Still Fun. Walk away feeling you learned something.

8103 3-D ART 3 .5 Credit

Prerequisites: Successful completion of 3-D Art 2

○9 ●10 ●11 ●12

More hands-on fun turned up to level 3! Still suited for students of ALL abilities.

Still, no fear or “Artistic talent” needed, Honest. You can do it.

Level up your ideas, independence, and skills. Combine your interests and dig deeper into your own choices. Learn to make and follow your own PLAN through Art. Continue to understand that mistakes are a useful part of learning! Improve your problem-solving and increase those useful life skills, all using Art. Experiment with a variety of materials. Increased choice. Still Fun. Again walk away feeling you learned something.

8104 3-D ART 4 .5 Credit

Prerequisites: Successful completion of 3-D Art 3

○9 ●10 ●11 ●12

More hands on fun, more independence! Still suited for students of ALL abilities.

Still no fear or “Artistic talent” needed, Honest. More challenges and more rewards. You can do it.

Continue to Strive for Mastery in this advanced course and level up your ideas, independence and skills. More choices. Use a *variety* of materials to explore and take risks. Continue to understand that mistakes are a useful part of learning!

8105 3-D ART 5 .5 Credit

Prerequisites: Successful completion of 3-D Art 4

○9 ○10 ●11 ●12

More hands on fun, more independence! Still suited for students of ALL abilities.

Still no fear or “Artistic talent” needed, Honest. You can do it.

Continue to Strive for Mastery in this advanced course and level up your ideas, independence and skills. More choices. Use a *variety* of materials to explore and take risks. Continue to understand that mistakes are a useful part of learning!

8106 3-D ART 6**.5 Credit**

Prerequisites: Successful completion of 3-D Art 5

○9 ○10 ●11 ●12

Maximum level.

More choices, more independence, more exploration. Continue to Strive for Mastery in this advanced course and level up your ideas.



Grow your design skills using PHOTOSHOP and ILLUSTRATOR and make personal choices.

8251 COMPUTER GRAPHICS 1**.5 Credit**

●9 ●10 ●11 ●12

Required for all other Graphics classes. Computer-based intro-level class, suited for students of ALL abilities. "Computer Design without Fear". No experience or "Artistic talent" necessary, Honest. You can do it. You'll learn idea generation skills, useful life skills and learn that mistakes are actually a useful part of learning. Learn through play and exploration! A fun class where you get an introduction to PHOTOSHOP and ILLUSTRATOR and have lots of choices. Walk away feeling you learned something all using art.

8252 COMPUTER GRAPHICS 2**.5 Credit**

Prerequisites: Successful completion of Computer Graphics 1

●9 ●10 ●11 ●12

Computer based learning level 2. Still suited for students of ALL abilities. More "Computer Design without Fear". No experience or "Artistic talent" necessary, Honest. You can do it. Continue to explore idea generation skills, useful life skills and learning that mistakes are actually a useful part of learning. More Learning through play and exploration! Continue to grow your PHOTOSHOP and ILLUSTRATOR skills using lots of choice. Walk away feeling you learned something all using art.

8253 COMPUTER GRAPHICS 3**.5 Credit**

Prerequisites: Successful completion of Computer Graphics 2

○9 ●10 ●11 ●12

Computer based learning leveled up to 3. Still suited for students of ALL abilities.

More "Computer Design without Fear". No experience or "Artistic talent" necessary, Honest. You can do it. Continue to explore idea generation skills, *useful* life skills and learning that mistakes are actually a useful part of learning. *More Learning through play and exploration!* Continue to grow your PHOTOSHOP and ILLUSTRATOR skills using lots of choice. Really explore your own VOICE. Walk away feeling you learned something all using art.

8254 COMPUTER GRAPHICS 4**.5 Credit**

Prerequisites: Successful completion of Computer Graphics 3

○9 ●10 ●11 ●12

Maximum Level.

More "Computer Design without Fear". Continue to explore idea generation skills, *useful* life skills and learning that mistakes are actually a useful part of learning. *More Learning through play and exploration!* Continue to grow your PHOTOSHOP and ILLUSTRATOR skills using lots of choice. Really explore your own VOICE. Walk away feeling proud of your hard work.

8255 COMPUTER GRAPHICS 5**.5 Credit**

Prerequisites: Successful completion of Computer Graphics 3

○9 ●10 ●11 ●12

Maximum Level.

More "Computer Design without Fear". Continue to explore idea generation skills, *useful* life skills and learning that mistakes are actually a useful part of learning. *More Learning through play and exploration!* Continue to grow your PHOTOSHOP and ILLUSTRATOR skills using lots of choice. Really explore your own VOICE. Walk away feeling proud of your hard work.

8256 COMPUTER GRAPHICS 6**.5 Credit**

Prerequisites: Successful completion of Computer Graphics 3

○9 ●10 ●11 ●12

Maximum Level.

More "Computer Design without Fear". Continue to explore idea generation skills, *useful* life skills and learning that mistakes are actually a useful part of learning. *More Learning through play and exploration!* Continue to grow your PHOTOSHOP and ILLUSTRATOR skills using lots of choice. Really explore your own VOICE. Walk away feeling proud of your hard work.

Connect your ideas with others using digital, film cameras and the darkroom.

8431 PHOTOGRAPHY 1 .5 Credit
●9 ●10 ●11 ●12

Photo 1 uses manual 35mm SLR cameras & digital manipulation as an introduction to learning the basic essentials of photography. Students establish independent skills by taking, processing and developing their own film & photographs. Problem solving & creativity are utilized as the student will learn to see the world through a photographic eye. Photo 1 will cover both the written and visual history of photography while incorporating artist presentations, a review of the elements and principles of design and focus on composition. Students are responsible for multi-tasking and meeting deadlines throughout the semester. Students will experience working within the Mac atmosphere with digital photography and Creative Suite introduction. All materials are provided in a supply pack that will be available the first week of class. *

8432 PHOTOGRAPHY 2 .5 Credit
Prerequisites: Successful completion of Photography 1 ●9 ●10 ●11 ●12

Photo 2 pushes the boundaries of experimentation both within the darkroom and digital realms. Students are expected to expand their subject matter and composition along with their knowledge of the darkroom in order to begin building their portfolio. Digital manipulation advances to the next level with tutorials & experimentation taking place within Photoshop. All materials are provided in a supply pack that will be available the first week of class. *

8433 PHOTOGRAPHY 3 .5 Credit
Prerequisites: Successful completion of Photography 2 ○9 ●10 ●11 ●12

This course begins to advance the digital knowledge and manipulation needed in order to build their portfolio. Students will effectively master the use of both digital and 35mm SLR cameras in order to create their desired images. Students will study a contemporary photographer in depth in order to create artwork through inspiration. Projects will consist of both digital and darkroom creation in order to advance the knowledge of both media throughout the semester. Darkroom materials are provided in a supply pack that will be available the first week of class. Students will need to provide their own flash drive in order to print digitally and store work safely. *

8434 PHOTOGRAPHY 4 .5 Credit
Prerequisites: Successful completion of Photography 3 ○9 ●10 ●11 ●12

Photo 4 continues the building of the students' portfolio throughout both digital and darkroom spheres. Students will be expected to meet deadlines and work independently at an accelerated level throughout their compositions, image creation and final artworks. Emphasis is placed on the AP2D portfolio and building the student's work in order to enhance their image concepts and concentrations. Students need to provide their own flash drive for image storage & printing capabilities. All darkroom materials are provided in a supply pack that will be available the first week of class. *

8435 PHOTOGRAPHY 5 .5 Credit
Prerequisites: Successful completion of Photography 4 ○9 ○10 ●11 ●12

Take your experience with digital and darkroom photography to the next level! This course provides a space to experiment with concept, technique, and contemporary processes while pushing students to explore more unconventional ways of creating images. Students are given more choice & autonomy to complete assignments within a structured framework. If you are thinking of pursuing a future in photography and design, this is where you begin to build your portfolio.

8436 PHOTOGRAPHY 6 .5 Credit
Prerequisites: Successful completion of Photography 5 ○9 ○10 ●11 ●12

Photo 6 is all about creative investigation! If you would like to have the space to explore & experiment with advanced digital and darkroom photography, this course is for you. Students are expected to meet deadlines while pushing themselves to explore new ways of creating images. Your creative vision and experience with photography techniques allow you to explore your own ideas with intent and purpose. This course is designed to supplement AP 2D DESIGN Portfolio and prepares students to create a body of work for future endeavors.

8081 ADVANCED PLACEMENT (AP) 2-D DESIGN PORTFOLIO (with an emphasis in Photography) 1 Credit
8082 Prerequisites: Senior Status, completion of Photo 1 & 2, must have Instructor Approval. ○9 ○10 ○11 ●12

AP2D is a course based on the design elements and principles of art and photography skills. Students will use these skills to create a series of work based on their curiosity about a topic. The rigor of this course and the depth of personal investigation contribute to life skills that are useful in many real life experiences. Successful submission and passing scores may result in college credit. Fee for AP Portfolio submission.

7800 INTERIOR DESIGN 1**5 Credit**

●9 ●10 ●11 ●12

In this introductory course students will concentrate on the understanding of interior design principles while gaining the knowledge & skills to create dynamic interior spaces. Students will explore contemporary careers in the design field by creating a variety of interior design proposals. The students will study aesthetics, elements and principles of design, furniture arrangement & design, drafting floor plans, and computer-aided interior design.

7810 INTERIOR DESIGN 2**5 Credit**

Prerequisites: Passing grade in Interior Design 1

●9 ●10 ●11 ●12

This course is designed for students who have taken the introductory course in Interior Design who have an interest in exploring more advanced design applications. With a focus on innovation, originality, and the future of Interior Design, students will use their prior knowledge and experience to become proficient in designing for various real-world public, commercial, and unconventional spaces. Students will also practice time management, client relationships, and problem solving while meeting the real-world challenges of interior designers

7720 CLOTHING CONSTRUCTION**.5 Credit**

●9 ●10 ●11 ●12

This course introduces students to basic apparel design, textiles, and construction skills. The students will be exposed to the global apparel industry and entrepreneurial opportunities. Service learning will be an integral part of this course: constructing apparel, accessories, and consumer products. Students will also explore contemporary methods in the textile industry & merchandising

7730 FASHION DESIGN**.5 Credit**

Prerequisites: Passing grade in Clothing Construction

●9 ●10 ●11 ●12

This course is created for students who would like to explore textile & apparel design at an advanced level. Students will explore contemporary movements in fashion and textile design through service learning: sewing original garments & products, exploring contemporary textile techniques, and creating expressive fashion designs.

BUSINESS EDUCATION

COURSES OFFERED (* indicates a prerequisite) CREDITS

INTRODUCTION TO BUSINESS -----	.5 CREDIT
SPORTS & ENTERTAINMENT MARKETING -----	.5 CREDIT
WEB PAGE CREATION -----	.5 CREDIT
PERSONAL FINANCE -----	.5 CREDIT
MARKETING YOUR BUSINESS -----	.5 CREDIT
ACCOUNTING 1 -----	.5 CREDIT
ACCOUNTING 2* -----	.5 CREDIT



POSSIBLE CAREER OPTIONS

- ◆ Accountant (CPA)
- ◆ HR Manager
- ◆ Insurance Agent
- ◆ Real Estate Broker
- ◆ Tax Preparer
- ◆ Administrative Assistant
- ◆ Business Teacher
- ◆ Systems Analyst
- ◆ Bank Officer

9th GRADE OPTIONS

INTRODUCTION TO BUSINESS
 SPORTS & ENTERTAINMENT
 MARKETING
 MARKETING YOUR BUSINESS
 WEB PAGE CREATION
 ACCOUNTING 1
 ACCOUNTING 2*

10th GRADE OPTIONS

INTRODUCTION TO BUSINESS
 SPORTS & ENTERTAINMENT
 MARKETING
 MARKETING YOUR BUSINESS
 WEB PAGE CREATION
 PERSONAL FINANCE
 ACCOUNTING 1
 ACCOUNTING 2*

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

11th GRADE OPTIONS

INTRODUCTION TO BUSINESS
 SPORTS & ENTERTAINMENT
 MARKETING
 MARKETING YOUR BUSINESS
 WEB PAGE CREATION
 PERSONAL FINANCE
 ACCOUNTING 1
 ACCOUNTING 2*

12th GRADE OPTIONS

INTRODUCTION TO BUSINESS
 SPORTS & ENTERTAINMENT
 MARKETING
 MARKETING YOUR BUSINESS
 WEB PAGE CREATION
 PERSONAL FINANCE
 ACCOUNTING 1
 ACCOUNTING 2*

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ FBLA
- ◆ SkillsUSA
- ◆ National Honor Society
- ◆ Global Scholars
- ◆ Student Senate



BUSINESS EDUCATION

6230 INTRODUCTION TO BUSINESS

.5 Credit

●9 ●10 ●11 ●12

This semester class is designed as a general introduction to the areas of marketing, international business and entrepreneurship. The course is designed to find student interest in a specific area of business and help direct them to which business courses to take in high school. Students will learn the basics in the areas of marketing, finance, and entrepreneurship.

6240 SPORTS AND ENTERTAINMENT MARKETING

.5 Credit

●9 ●10 ●11 ●12

This course is designed to study marketing principles and concepts and apply them in the sports and entertainment industry. Instructional areas will include: An orientation to the sports and entertainment industry, event execution, career opportunities, decision making, event marketing, advertising and promotion. Classroom instruction will be reinforced using guest speakers, case studies, field trip experiences, current periodicals, real-life group scenarios, projects and discussions.

6270 WEB PAGE CREATION

.5 Credit

●9 ●10 ●11 ●12

This course is designed to help students develop skills and gain an understanding of the processes involved in web page design and the development of online content. Students will plan and create web pages using the latest design programs such as Wix, Weebly, and Squarespace. In addition to learning design and web page development, students will learn about digital literacy, evaluating online resources, and about various career opportunities that utilize these skills. Students may apply the concepts learned in this course to develop web pages for themselves, their community, or outside clients.

6280 PERSONAL FINANCE

.5 Credit

○9 ●10 ●11 ●12

Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. It presents essential knowledge and skill to make informed decisions about real world financial issues. Units of study include income, money management, spending and credit as well as savings and investing. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge in finance, debt and credit management, and evaluate and understand insurance, taxes and retirement planning. This course will provide a foundation for making informed personal financial decisions.

6330 MARKETING YOUR BUSINESS

.5 Credit

●9 ●10 ●11 ●12

This course will introduce students to marketing concepts and how to apply them to starting their own business. Marketing units covered will include marketing philosophy, target marketing, and the functions of selling. In the second half of the course, students will explore the entrepreneurial characteristics necessary to own and operate a business. Students will then apply their marketing knowledge in completing a business plan.

6550 ACCOUNTING 1

.5 Credit

●9 ●10 ●11 ●12

Accounting I teaches the concepts of the accounting cycle for a service business. This one semester course will look at the structure of basic business organizations. The students will learn how accounting practices are used to gather information necessary to report profits and losses. They will also become aware of how these concepts can be applied to their own personal finances.

6560 ACCOUNTING 2

.5 Credit

Prerequisites: Accounting 1

●9 ●10 ●11 ●12

Accounting 2 teaches the concepts of the accounting cycle for a merchandise business run as a partnership. This one semester course will look at the structure of basic business partnership. The students will learn how accounting practices are used to gather information necessary to report profits and losses.

CAREER & TECHNICAL EDUCATION

<u>GHS COURSES OFFERED</u> (* indicates a prerequisite)	<u>CREDITS</u>
CRAFTSMANSHIP -----	.5 CREDIT
FURNITURE & CABINET MAKING* -----	.5 CREDIT
INTRO TO ENGINEERING AND DESIGN* -----	1 CREDIT
PRINCIPLES OF ENGINEERING*-----	1 CREDIT
CIVIL ENGINEERING & ARCHITECTURE* -----	1 CREDIT

<u>OFF CAMPUS COURSES</u> (* indicates a prerequisite)	<u>CREDITS</u>
ST FRANCIS:	
CISCO 1* *-----	1 CREDIT
CISCO 2*-----	1 CREDIT
MATC:	
INTRODUCTION TO WELDING* -----	1 CREDIT per semester



POSSIBLE CAREER OPTIONS

- ◆ Electrician
- ◆ Engineer
- ◆ Mechanic
- ◆ Construction
- ◆ Project Manager
- ◆ Architect
- ◆ Carpenter
- ◆ Mason

9th GRADE OPTIONS

CRAFTSMANSHIP
INTRO TO ENGINEERING &
DESIGN

10th GRADE OPTIONS

CRAFTSMANSHIP
FURNITURE & CABINET MAKING*
INTRO TO ENGINEERING & DESIGN
PRINCIPLES OF ENGINEERING*

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

11th GRADE OPTIONS

CRAFTSMANSHIP
FURNITURE & CABINET MAKING*
INTRO TO ENGINEERING & DESIGN
PRINCIPLES OF ENGINEERING*
CIVIL ENGINEERING & ARCHITECTURE*
CISCO 1*, 2*
INTRODUCTION TO WELDING*

12th GRADE OPTIONS

CRAFTSMANSHIP
FURNITURE & CABINET MAKING*
INTRO TO ENGINEERING & DESIGN
PRINCIPLES OF ENGINEERING*
CIVIL ENGINEERING & ARCHITECTURE*
CISCO 1*, 2*
INTRODUCTION TO WELDING*

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ SkillsUSA
- ◆ Robotics Team



CAREER & TECHNICAL EDUCATION

7220 CRAFTSMANSHIP

.5 Credit

●9 ●10 ●11 ●12

This course is designed for students who have an interest in design and building. Craftsmanship provides students the opportunity to learn the basics of working with hand and power tools, with a focus on woods. Students will complete a series of self-paced projects based on their prior experience and skill level, while accurately following plans and blueprints. They will then design, build and plan a project of their choice. Professionalism, safety and work ethic will be expected at all times, and will be a part of the learning and feedback cycle throughout the course.

7230 FURNITURE MAKING

.5 Credit

Prerequisite: Craftsmanship or instructor permission

○9 ●10 ●11 ●12

This course is ideal for students with a hobby or career interest in crafting high-quality furniture that is both functional and aesthetically pleasing. Students will analyze furniture and woodworking techniques from many cultures and eras. Inspired by their research, they will then follow the engineering design process to design and build their own unique pieces, using hand tools, power tools, and computer-aided design. Professionalism, safety, collaboration, and work ethic will be expected at all times, and will be a part of the learning and feedback cycle throughout the course.

7551 INTRODUCTION TO ENGINEERING DESIGN

1 Credit

Prerequisite: Grade of C or higher in Algebra 1

●9 ●10 ●11 ●12

Students will learn to design, prototype, test, and refine products and processes using the engineering design method. The course will build proficiency in Computer Aided Design (CAD), reverse engineering, evaluating and optimizing various mechanisms, materials, and assemblies, and measuring and refining the physical properties of various designs. This project-based class emphasizes teamwork, communication methods, engineering standards, technical documentation, project management, and consequence-oriented decision making.

7561 PRINCIPLES OF ENGINEERING

1 Credit

Prerequisite: C or higher in Intro to Engineering Design or instructor permission

○9 ●10 ●11 ●12

This fast-paced course provides a survey of key engineering principles and disciplines, exposing students to some of the major concepts in post secondary engineering programs. Students have an opportunity to investigate engineering and high-tech careers and explore engineering skills, including tracking, analyzing, and presenting data; building models of simple and complex machines, researching methods of manufacturing, and optimizing product design. Students will also apply secondary-level skills in mathematics, science, and technology to solve real world problems. Teamwork, communication methods, engineering standards, technical documentation, project management, and consequence-oriented decision making are key components of this course.

7571 CIVIL ENGINEERING AND ARCHITECTURE (CEA)

1 Credit

Prerequisite: C or higher in Intro to Engineering Design or instructor permission

○9 ○10 ●11 ●12

Students will study the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, stormwater management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry.

The major focus of the CEA course is to expose students to design and construction processes for residential and commercial building projects, design teams and teamwork, communication methods, engineering standards, technical documentation, project management, and consequence-oriented decision making.

OFF CAMPUS COURSES

The classes listed below do not include a work component. Classes are available to students with Junior or Senior status. Students must provide their own transportation to the class site. Class availability is subject to space, scheduling, and location change.

All course requests must be entered in infinite campus..

St. Francis:

7031 CISCO 1		1 Credit
7032	Prerequisites: Algebra 1	○9 ○10 ●11 ●12

This is the 1st year of a 2-year Cisco course. The first year looks at networking for home and small businesses and working at a small-to-medium business or ISP. The curriculum includes PC installation, Internet connectivity, wireless connectivity, physical media (cabling), networking devices, IP addressing, LAN topologies, electrical issues, setting up personal routers, setting up servers, network monitoring and basic troubleshooting. Students will create their own Ethernet cables and complete other lab work in simulations on the computer with actual Cisco equipment. May earn up to 3 MATC credits.

For more information, see: http://www.cisco.com/web/learning/netacad/get_involved/BecomeAStudent.html

7033 CISCO 2		1 Credit
7034	Prerequisites: CISCO 1	○9 ○10 ●11 ●12

This is the 2nd year of the 2-year Cisco course. This year, we look at introducing routing and switching in the enterprise and designing and supporting computer networks. The curriculum includes switches and switched networks, IP telephone requirements, security, routing protocols, virtual LANs, designing networks and performing project management tasks. Students will complete lab work in simulations on the computer and with actual Cisco equipment. At the end of the 2-year course, students are eligible to take the Cisco CCNA exam and earn certification as a Cisco network administrator.

MATC:

7501 INTRODUCTION TO WELDING		1 Credit per semester
7504	Prerequisites: approved Youth Options request	○9 ○10 ●11 ●12

Time: Typically 2:15-4:00pm Monday through Thursday at MATC South Campus

Introduction to Welding is offered as a Youth Options class at the MATC South Campus. Applications for Youth Options which are available from the school counselor must be completed by **March 1 for 1st semester and October 1st for second semester**. Students enrolling in this course will participate in the fundamentals of arc and oxyfuel welding and then advance their skills in gas tungsten and wire welding. Students will be dismissed from their high school classes at approximately 1:45pm. Students are responsible for purchasing safety glasses/jackets and wearing appropriate footwear. An MATC parking pass will need to be purchased. A second semester course consisting of advanced welding techniques may be offered through Youth Options and MATC.

ELECTIVES



"The difference between who you are and who you want to be is what you do."
-Bill Phillips

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Drama Club
- ◆ Hawks Drama (fall & spring musical)
- ◆ Link Crew
- ◆ Hope Squad



<u>COURSES OFFERED</u>	(* indicates a prerequisite)	<u>CREDITS</u>
CREATIVE WRITING		.5 CREDIT
SPEECH		.5 CREDIT
THEATRE		.5 CREDIT
THEATRE 2*		.5 CREDIT
TECHNICAL THEATRE		.5 CREDIT
FROM PLAYWRIGHT TO PERFORMANCE		.5 CREDIT
ENGLISH LEARNERS RESOURCE*		.5 CREDIT
MEDICAL TERMINOLOGY*		.5 CREDIT
LEADERSHIP		.5 CREDIT
YEARBOOK 1*		1 CREDIT
YEARBOOK 2*		1 CREDIT
HEALTH INFLUENCES*		.5 CREDIT
HEALTH LITERACY*		.5 CREDIT

9th GRADE OPTIONS

LEADERSHIP
HEALTH INFLUENCES*
FROM PLAYWRIGHT TO PERFORMANCE
ENGLISH LEARNERS RESOURCE*

10th GRADE OPTIONS

CREATIVE WRITING
SPEECH
THEATRE, THEATRE 2*
FROM PLAYWRIGHT TO PERFORMANCE
LEADERSHIP
YEARBOOK 1
HEALTH INFLUENCES*
HEALTH LITERACY*
ENGLISH LEARNERS RESOURCE*

11th GRADE OPTIONS

CREATIVE WRITING
SPEECH
THEATRE, THEATRE 2*
TECHNICAL THEATRE*
FROM PLAYWRIGHT TO PERFORMANCE
LEADERSHIP
MEDICAL TERMINOLOGY*
YEARBOOK 1, 2*
HEALTH INFLUENCES*
HEALTH LITERACY*
ENGLISH LEARNERS RESOURCE*

12th GRADE OPTIONS

CREATIVE WRITING
SPEECH
THEATRE, THEATRE 2*
TECHNICAL THEATRE*
FROM PLAYWRIGHT TO PERFORMANCE
LEADERSHIP
MEDICAL TERMINOLOGY*
YEARBOOK 1, 2*
HEALTH INFLUENCES*
HEALTH LITERACY*
ENGLISH LEARNERS RESOURCE*

ELECTIVES

1230 CREATIVE WRITING

0.5 (Not English) Elective Credit

○9 ●10 ●11 ●12

The main objective of this course is to improve writing through writing. The emphasis is on the student interpreting thoughts, feelings, and experiences into a variety of short pieces. Class is conducted in "writing workshop" format. Students will do the bulk of, but not all, their work in class.

1250 SPEECH

0.5 (Not English) Elective Credit

○9 ●10 ●11 ●12

The objective of this course is to develop confidence in speaking before an audience. The focus of lessons is on the preparation, development, and delivery of informative, entertaining, and persuasive messages. Also, this course develops group problem-solving, group discussion, and interpersonal communication skills.

1520 THEATRE

0.5 (Not English) Elective Credit

○9 ●10 ●11 ●12

The foci of this course include introducing students to the theatre, careers in theater, script analysis, and basic acting. We will explore these areas through hands-on experiences such as working in the high school theatre, reading and discussing selected plays, various acting exercises, and viewing the work of others. Students will engage in a multitude of class activities to develop knowledge and appreciation of the theatrical arts. No previous acting experience is necessary, but a positive attitude is required. Most semesters, a field trip to a professional theater performance is included.

1530 THEATRE 2

0.5 (Not English) Elective Credit

Prerequisite: Successful completion of Theatre 1

○9 ●10 ●11 ●12

As an extension of Theatre I, the foci of this course include discovering the historical journey of the theatre, engaging in advanced stage work with others, developing your artistic voice through directing, and an introduction to playwriting. We will engage in peer-to-peer activities often, so a positive attitude and a willingness to take creative risks are required. Most semesters, a field trip to a professional theater performance is included.

1620 TECHNICAL THEATRE

0.5 (Not English) Elective Credit

○9 ○10 ●11 ●12

This course provides students the opportunity to learn and apply the crafts and technologies of the backstage world of the theater. We will learn to interpret and execute a theatrical designer's plans, create our own designs, and see those designs and plans come to life. Through hands-on learning, students will acquire skills and knowledge in areas such as lighting and sound, scenic design, and/or scenic painting. Most semesters, a field trip to a professional theater performance is included.

1540 FROM PLAYWRIGHT TO PERFORMANCE

0.5 (Not English) Elective Credit

●9 ●10 ●11 ●12

This course provides an opportunity for students to create a staged one-act production and write their own one-act play. In the first half of the semester, students will take on the roles within a theater production, such as actors, designers, carpenters, and/or technicians. In the second half of the semester, students will use their knowledge from their roles in the one-act to become a playwright. They will write their own original script, incorporating basic plans for the technical and performance aspects of their one-act script. Two live performances are required as part of this course, and submission to the MCT Young Playwright Festival is encouraged.

1741 ENGLISH LEARNERS RESOURCE

0.25 (Not English) Elective Credit

1742 Prerequisite: Teacher Recommendation

●9 ●10 ●11 ●12

Students enrolled in this resource hour will have access to EL resources (on-line resources, software, etc.) as well as the support of the EL teacher. In order to earn credit for this resource, students must pass English, Social Studies, Science, and Math courses taken during the semester.

3740 MEDICAL TERMINOLOGY*

0.5 (Not Science) Elective Credit

Must be 16 to earn credit from MATC

○9 ○10 ●11 ●12

**This course may be offered as a online course.*

This one semester course focuses on the component parts of medical terms: prefixes, suffixes, and word roots. Students will practice formation, analysis, and reconstruction of terms, with an emphasis on spelling definition, and pronunciation. Operative, diagnostic, and therapeutic and symptomatic terminology of all body systems will be analyzed in relationship to health careers. This course is articulated with the statewide technical college three credit terminology course.

Students must purchase the Medical Terminology workbook, which includes valuable study material for future use.(Approximately \$75-\$100) Book order information will be sent out during the summer to students who have enrolled in the course.

This course may or may not be offered for transcribed credit through MATC. Students meeting the requirements of Medical Terminology may receive transcribed credit at MATC.

5900 LEADERSHIP

.5 credit

●9 ●10 ●11 ●12

Each day you are given 86,400 seconds to spend, invest, or waste." Once the day is done, the time is gone." What are you doing with your opportunity?" This course is designed to empower students with the ability to lead themselves to become a positive influence in the world. Students will have the opportunity to explore and reflect upon their own beliefs and values through a variety of experiences. This course will build a variety of reading, writing, speaking, and listening skills.

8001 YEARBOOK 1

1 (Not Art) Elective Credit

8002 Recommend Prerequisites: Approval of the Yearbook Advisor

○9 ●10 ●11 ●12

The work of this course is the production of the Spectrum - the school yearbook. The emphasis of this course is the timely production of this school-wide publication. The course is perhaps one of the only classes students will enroll in where it is acceptable for their homework to be purchased by others! Skills taught include journalistic writing, editing, layout, photojournalism, proofing and copying and content, small group work as well as managing the financial responsibilities of publishing. Students who register for this class must be willing to spend a significant amount of time before and after school. **This course is a year-long commitment and cannot be dropped at semester.**

8011 YEARBOOK 2

1 (Not Art) Elective Credit

8012 Prerequisites: Successful completion of Yearbook 1 and approval of the advisor

○9 ○10 ●11 ●12

The work of this course is the production of the Spectrum - the school yearbook. The emphasis of this course is the timely production of this school-wide publication. The course is perhaps one of the only classes students will enroll in where it is acceptable for their homework to be purchased by others! Skills taught include journalistic writing, editing, layout, photojournalism, proofing and copying and content, small group work as well as managing the financial responsibilities of publishing. Students who register for this class must be willing to spend a significant amount of time before and after school. **This course is a year-long commitment and cannot be dropped at semester.**

9021 HEALTH INFLUENCES

.5 Credit

Prerequisite: Successful completion of Health

●9 ●10 ●11 ●12

This course probes deeper into the eight leading influences that are key to health and wellness, which are introduced in Health 9 (Behavior, Environment, Genetics, Technology, Healthcare, Social, Political and Media). This course provides the opportunity to investigate and comprehend the eight key influences in-depth while creating a safe environment to analyze the impacts on overall health and wellness. Diverse media and input, including guest speakers, will help to provide local and regional context and data connected to contemporary community health concerns. Students will examine and discuss careers directly related to health and wellness. The course will prepare students to apply learning to self, as well as advocate for the well-being of others

9023 HEALTH LITERACY

.5 Credit

Prerequisite: Successful completion of Health and Health Influences

○9 ●10 ●11 ●12

This course will allow students to explore deeper into the increased health risks and topics that plague our society today. Students will take a personalized approach to learning as they engage in relevant discussions related to current events, policies, and societal norms. Students will analyze and apply knowledge focused on how the risks/topics not only impact us--individually, but globally as well. Students in this course will develop a meaningful proposal to help improve lifestyle choices to make a healthy impact on community well-being and on their own personal well-being. As a final performance assessment students will share their research in the form of a health fair for the Greenfield Community.

This course builds upon the concepts/content of Freshman Health. Also, due to the expectations of student responsibility and maturity for this personalized learning curriculum, this course is for any Sophomore, Junior or Senior who have earned a B or higher in Health.

FAMILY & CONSUMER SCIENCES

COURSES OFFERED (* indicates a prerequisite) CREDITS

CULINARY 1 -----	.5 CREDIT
CULINARY 2* -----	.5 CREDIT
REGIONAL AND GLOBAL CUISINE* -----	.5 CREDIT
BAKING AND PASTRY* -----	.5 CREDIT
PARENTING AND CHILD CARE -----	.5 CREDIT
ASSISTANT CHILDCARE TEACHER* -----	.5 CREDIT



POSSIBLE CAREER OPTIONS

- ◆ Chef
- ◆ Restaurant Manager
- ◆ Food Scientist
- ◆ Nutritionist
- ◆ Dietician
- ◆ Childcare Director
- ◆ Nanny
- ◆ Preschool Teacher

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ SkillsUSA
- ◆ National Honor Society



9th GRADE OPTIONS

CULINARY 1

10th GRADE OPTIONS

CULINARY 1
 CULINARY 2*
 PARENTING AND CHILD CARE

11th GRADE OPTIONS

CULINARY 1
 CULINARY 2*
 REGIONAL & GLOBAL CUISINE*
 BAKING AND PASTRY*
 PARENTING AND CHILD CARE
 ASSISTANT CHILDCARE TEACHER*

12th GRADE OPTIONS

CULINARY 1
 CULINARY 2*
 REGIONAL & GLOBAL CUISINE*
 BAKING AND PASTRY*
 PARENTING AND CHILD CARE
 ASSISTANT CHILDCARE TEACHER*

FAMILY & CONSUMER SCIENCES

7600 Culinary 1 .5 Credit

○9 ●10 ●11 ●12

This course is designed to focus on food safety and sanitation, kitchen management, basic cooking skills including reading recipes, measurement techniques, breakfast cookery and salads and sandwiches.

7620 Culinary 2 .5 Credit

Prerequisite: earn a passing grade in Culinary 1

○9 ●10 ●11 ●12

This course will add on to Foods 1 knowledge to include kitchen safety and sanitation, knife skills, cooking methods, stocks and sauces, and soups and appetizers. The course will culminate with an Iron Chef competition.

7630 Regional and Global Cuisine 5 Credit

Prerequisite: earn a passing grade in Culinary 1 and 2

○9 ○10 ●11 ●12

This advanced course will focus on United States regional cuisine, and global cuisine. Topics within these broad units will include agriculture, herbs and spices, and meat cookery.

7640 Baking and Pastry .5 credit

Prerequisite: earn a passing grade in Culinary 1 and 2

○9 ○10 ●11 ●12

This advanced course will focus on baking and pastry principles including baking tools and equipment, ingredient purposes, yeast and quick breads, cakes, pies and pastries.

7840 PARENTING AND CHILD CARE .5 Credit

○9 ●10 ●11 ●12

This is an exciting hands-on course that explores the make-up family structures and the many areas of development of children. This course utilizes project based learning, collaboration and creativity. Students will be involved in the RealCare baby simulation, group presentations, planning preschool lessons and facilitating an on-campus preschool.

7850 ASSISTANT CHILDCARE TEACHER .5 Credit

Prerequisites: Successful completion of Parenting and Child Care

○9 ○10 ●11 ●12

The main objective of this course is to learn about specific early childhood programs and implement student learning by creating components of an actual classroom. Each student will create their own early childhood classroom in their portfolio.

LANGUAGE ARTS

COURSES OFFERED (* indicates a prerequisite) CREDITS

ENGLISH 9 (REQUIRED) -----	1 CREDIT
ENGLISH 10 (REQUIRED) -----	1 CREDIT
ENGLISH 11 -----	1 CREDIT
ENGLISH 12 -----	1 CREDIT
AP ENGLISH LANGUAGE AND COMPOSITION -----	1 CREDIT
AP ENGLISH LITERATURE AND COMPOSITION -----	1 CREDIT
ENGLISH LEARNERS (*TEACHER RECOMMENDATION) -----	1 CREDIT



POSSIBLE CAREER OPTIONS

- ◆ English Teacher
- ◆ Writer / Author
- ◆ News Reporter
- ◆ Announcer
- ◆ Journalist
- ◆ Public Relations Manager
- ◆ Librarian
- ◆ Interpreter/Translator

REQUIREMENTS (4 CREDITS)

ENGLISH 9- 1 CREDIT
 ENGLISH 10- 1 CREDIT
 JUNIOR YEAR- 1 CREDIT
 SENIOR YEAR- 1 CREDIT

10th GRADE OPTIONS

ENGLISH 10 (REQUIRED)

 ENGLISH LEARNERS (*TEACHER RECOMMENDED)

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

9th GRADE OPTIONS

ENGLISH 9 (REQUIRED)

 ENGLISH LEARNERS (*TEACHER RECOMMENDED)

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Forensics
- ◆ National Honor Society

11th GRADE OPTIONS

ENGLISH 11

 AP ENGLISH LANGUAGE & COMPOSITION

 AP ENGLISH LITERATURE & COMPOSITION

 ENGLISH LEARNERS (*TEACHER RECOMMENDED)

12th GRADE OPTIONS

ENGLISH 12

 AP ENGLISH LANGUAGE & COMPOSITION

 AP ENGLISH LITERATURE & COMPOSITION

 ENGLISH LEARNERS (*TEACHER RECOMMENDED)



LANGUAGE ARTS

1131 ENGLISH 9 1 Credit
1132 ●9 ○10 ○11 ○12

In this course, students will cultivate a can-do attitude around reading and writing by exploring who they are as readers and writers. Students will be learning to plot their own course as readers and writers by navigating their journeys in reading, writing, speaking and listening.

1341 ENGLISH 10 1 Credit
1342 ○9 ●10 ○11 ○12

In this course, students will develop their critical, analytical, and creative reading, writing, thinking, speaking and listening skills, building upon the foundations of English 9. Students will develop their ability to closely read and interpret increasingly complex literature, informational, and persuasive texts. Students will strengthen their skills in formal writing and speaking through authentic, performance-based assessments for a variety of purposes and audiences.

1331 ENGLISH 11 1 Credit
1332 ○9 ○10 ●11 ○12

This course is designed to help students refine the skills and knowledge they have gathered in previous years while applying those skills to new and novel situations that exist within and beyond the world of academia. In addition to focusing on Essential Learning Goals, students will focus on the Greenfield G21 Impacts with an emphasis on expanding their awareness of their local communities as well as the global communities they are a part of.

1361 ENGLISH 12 1 Credit
1362 ○9 ○10 ○11 ●12

This course is designed to help students refine the skills and knowledge they have gathered over their high school careers and help them plan and prepare for their next steps in life. In addition to focusing on Essential Learning Goals, students will focus on the Greenfield G21 Impacts and their application in the world beyond school. In order to do this, students will work throughout the year completing a self-directed, inquiry-based Senior Capstone Experience.

1421 ADVANCED PLACEMENT (AP) ENGLISH LANGUAGE AND COMPOSITION 1 Credit
1422 ○9 ○10 ●11 ●12

According to The College Board's Course and Exam Description most recently published, "The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum." Students' work in this course is designed to prepare them for the A.P. English Literature exam in Spring. Senior students in this course will work throughout the year completing a self-directed, inquiry-based Senior Capstone Experience.

1411 ADVANCED PLACEMENT (AP) ENGLISH LITERATURE AND COMPOSITION 1 Credit
1412 ○9 ○10 ●11 ●12

According to The College Board's Course and Exam Description most recently published, "In the AP English Literature and Composition course, students devote themselves to the study of literary works written in—or translated into—English. Careful reading and critical analysis of such works of fiction, drama, and poetry...provide rich opportunities for students to develop an appreciation of ways literature reflects and comments on a range of experiences, institutions, and social structures. Students will examine the choices literary writers make and the techniques they utilize to achieve purposes and generate meanings...The AP English Literature and Composition course aligns to an introductory college-level literature and writing curriculum." Students' work in this course is designed to prepare them for the A.P. English Literature exam in Spring. Senior students in this course will work throughout the year completing a self-directed, inquiry-based Senior Capstone Experience.

1721 ENGLISH LEARNERS (EL) 1 Credit
1722 Prerequisite: Teacher Recommendation ●9 ●10 ●11 ●12

This class is designed for students who are in the process of acquiring English. It is structured to meet the needs of a student at a beginning level of English acquisition. Listening, speaking, reading, and writing skills are the major focus of the class. Vocabulary and basic grammar are also incorporated. Content-area information is woven into the process of English acquisition to support students in their other core classes.

MATHEMATICS



COURSES OFFERED (* indicates a prerequisite) CREDITS

ALGEBRA 1 (REQUIRED)-----	1 CREDIT
ALGEBRA 2* (REQUIRED OR CHOOSE MATH ELECTIVE)-----	1 CREDIT
GEOMETRY* (REQUIRED)-----	1 CREDIT
TRIGONOMETRY* -----	.5 CREDIT
PRE-CALCULUS* -----	.5 CREDIT
STATISTICS AND PROBABILITY* -----	.5 CREDIT
COMPUTER PROGRAMMING 1, 2* -----	1 CREDIT
AP STATISTICS*-----	1 CREDIT
AP CALCULUS* -----	1 CREDIT
AP COMPUTER SCIENCE PRINCIPLES*-----	1 CREDIT

REQUIREMENTS (3 CREDITS)

ALGEBRA 1- 1 CREDIT
 GEOMETRY- 1 CREDIT
 ALGEBRA 2* OR MATH ELECTIVE- 1 CREDIT

9th GRADE OPTIONS

ALGEBRA 1 (REQUIRED)
 GEOMETRY*
 ALGEBRA 2*

10th GRADE OPTIONS

GEOMETRY* (REQUIRED)
 ALGEBRA 2*

ELECTIVES

(CHOOSE 1 ADDITIONAL CREDIT- REQUIRED)

ALGEBRA 2*
 TRIGONOMETRY*
 PRE-CALCULUS*
 STATISTICS & PROBABILITY*
 COMPUTER PROGRAMMING 1
 COMPUTER PROGRAMMING 2*
 AP STATISTICS*
 AP CALCULUS*
 AP COMPUTER SCIENCE PRINCIPLES*

POSSIBLE CAREER OPTIONS

- ◆ Accountant (CPA)
- ◆ Math Teacher
- ◆ Auditor
- ◆ Data or Research Analyst
- ◆ Financial Analyst
- ◆ Computer Programmer
- ◆ Statistician
- ◆ Software Developer

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Math Club
- ◆ National Honor Society



MATHEMATICS

All Honors Courses require higher level thinking and problem solving ability.

Calculators are expected in all classes. Regular calculators (Example TI-30 X IIS) are required for Algebra 1, Math Extensions, and Geometry. Graphic calculators (Example TI-83, TI-84, NOT a TI-89) are used in all other classes and must be provided by the student. The School District of Greenfield cannot provide calculators for all students in all math classes. Please see your individual math teacher if you are financially unable to have a calculator for class.

4221 ALGEBRA 1 1 Credit
4222 ●9 ○10 ○11 ○12

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in middle school. The units of study are: Relationships between quantities and reasoning with equations; Linear and exponential relationships; Descriptive statistics; Expressions and equations; Quadratic functions and modeling. Students will also be expected to use their problem solving skills to work with real world situations.

4331 GEOMETRY 1 Credit
4332 Prerequisites: Successful completion of Algebra 1 ●9 ●10 ○11 ○12

Students will study measurement, properties, and relationships of points, lines, angles, surfaces, and solids. Students will cover the following big ideas in Geometry based on the Common Core State Standards are; constructions, rigid transformations, proofs, congruence, similarity, right triangle trigonometry, circles, solids and coordinate geometry.

4411 ALGEBRA 2 1 Credit
4412 Prerequisites: Successful completion of Algebra and Geometry ●9 ●10 ●11 ●12

Students will build on their work with linear, quadratic, and exponential functions, and students will extend their repertoire of functions to include polynomial, rational, and logarithmic functions. Students will work closely with functions, and continue to expand their abilities to model situations and to solve equations, including equations with complex numbers and using logarithms. There are 6 units of study covered in Algebra 2 based on the Common Core State Standards for Mathematics: Sequences and Functions, Polynomial and Rational Functions, Complex Numbers and Rational Exponents, Exponential Functions and Equations, Transformations of Functions, and Statistical Inferences.

4570 TRIGONOMETRY .5 Credit
Recommended Prerequisites: C or better in Geometry, B or better in Algebra 1 ●9 ●10 ●11 ●12
(May be taken concurrently with Algebra 2 during the 2nd semester)

Students will study how the six trigonometric functions: sine, cosine, tangent, cosecant, secant and cotangent, relate to each other. The student will analyze the relationship of the unit circle to the graphs of trigonometric functions. There is an emphasis on verification of trigonometric identities using reasoning and proof. Students will learn how to solve oblique triangles in the real world using trigonometric formulas (Law of Sine, Law of Cosine, Area formulas).

4611 PRE-CALCULUS 1 Credit
4612 Recommended Prerequisites: B or better in Algebra 2 and "B" or better in Trigonometry ○9 ●10 ●11 ●12
(Trig must be completed prior to Pre-Calculus - semester 2)

This course prepares the student for the formal study of calculus by exploring functions in depth. Functions of all types (linear, quadratic, rational, exponential, logarithmic, and trigonometric) are studied with the help of a graphing calculator. Emphasis will be on using graphic representations as a problem solving technique. Today's technology allows the power of visualization to apply a graph to a problem situation in order to help find a solution.

4630 STATISTICS AND PROBABILITY .5 Credit
Recommended Prerequisites: Successful completion of Algebra 2 ○9 ●10 ●11 ●12

Today's world makes extensive use of statistical methods and students should understand the fundamental ideas that are used to make decisions based on these methods. Fields such as math, physical sciences, biology, medicine, etc. now require some knowledge of statistics for their effective pursuit and require courses in statistics and probability. Emphasis in this course will be on the practical rather than the theoretical aspects.

4670 COMPUTER PROGRAMMING 1

.5 Credit

●9 ●10 ●11 ●12

Computer programming is the hands-on application of designing, writing, testing, debugging, and maintaining computer software. This course will be using the Python computer language as it is easy to read and understand and is popular in college and industry. Students will implement fundamental programming logic including variables, functions (abstractions), decision structures (algorithms), and loops.

4680 COMPUTER PROGRAMMING 2 C++

.5 Credit

Prerequisites: Successful completion of Computer Programming 1

●9 ●10 ●11 ●12

Students will continue to demonstrate sound techniques for designing, developing, documenting, and debugging well-structured programs using software-engineering principles. Students will illustrate fundamental programming aspects through the C++ programming language. Students will build on the programming 1 skills of successfully implement basic programming logic including declaring variables, arithmetic, decisions (algorithms), iterative loops, and learn how to solve problems implementing broader programming concepts including: functions (abstractions), lists (arrays), recursion, and searching and sorting.

4711 ADVANCED PLACEMENT (AP) STATISTICS

1 Credit

4712 Recommended Prerequisites: Successful completion of Algebra 2 OR teacher recommendation ○9 ●10 ●11 ●12

In AP Statistics, students will learn how to describe, display, interpret and analyze data. There will be a focus on data collection, experimental design, modeling data and making conclusions based on statistical evidence. Students will analyze the structure of data and make use of technology to guide their understanding of statistics. Students will also learn about probability theory, randomness and the effects of random behavior. Specifically, this will lead to significance testing and decision making based on incomplete information and authentic application. The course concludes with a cumulative project that students design and present based on eclectic content learned throughout the year. This course will prepare students for the AP Exam in May.

4721 ADVANCED PLACEMENT (AP) CALCULUS

1 Credit

4722 Prerequisites: Pre-calculus and Trigonometry; OR teacher recommendation

○9 ●10 ●11 ●12

The students will go in depth in the study of limits, derivatives, and integrals. They will rely heavily on the success of prior coursework in the field of mathematics. All students will need to prove proficiency with and without the graphics calculator. Since this is a college level course, it will culminate with an optional national exam that may earn college credit. This optional test is set by the college board sometime in May.

4741 ADVANCED PLACEMENT (AP) COMPUTER SCIENCE PRINCIPLES

1 Credit

4742

○9 ●10 ●11 ●12

Prerequisites: Successful completion of Algebra 1 and/or Computer Programming 1; OR teacher recommendation

AP Computer Science Principles introduces you to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, the student will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society. The AP CSP course is organized around seven big ideas, which are essential to studying computer science: Creativity, Abstraction, Data and Information, Algorithms, Programming, The Internet, Global Impact.

MUSIC



COURSES OFFERED

(* indicates a prerequisite)

CREDITS

GUITAR -----	.5 CREDIT
PIANO KEYBOARD -----	.5 CREDIT
A SURVEY OF MUSIC -----	.5 CREDIT
MUSIC THEORY 1, 2* -----	1 CREDIT
MIXED CHOIR -----	1 CREDIT
CONCERT CHORALE* -----	1 CREDIT
SYMPHONIC BAND* -----	1 CREDIT
WIND ENSEMBLE* -----	1 CREDIT

POSSIBLE CAREER OPTIONS

- ◆ Music Teacher
- ◆ Music Producer
- ◆ Composer
- ◆ Recording Engineer
- ◆ Artist Manager
- ◆ Tour Manager
- ◆ Music Arranger
- ◆ Musician

9th GRADE OPTIONS

GUITAR
 PIANO KEYBOARD
 A SURVEY OF MUSIC
 MUSIC THEORY 1, 2*
 MIXED CHOIR
 SYMPHONIC BAND

10th GRADE OPTIONS

GUITAR
 PIANO KEYBOARD
 A SURVEY OF MUSIC
 MUSIC THEORY 1, 2*
 MIXED CHOIR
 CONCERT CHORALE
 SYMPHONIC BAND
 WIND ENSEMBLE

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

11th GRADE OPTIONS

GUITAR
 PIANO KEYBOARD
 A SURVEY OF MUSIC
 MUSIC THEORY 1, 2*
 MIXED CHOIR
 CONCERT CHORALE
 SYMPHONIC BAND
 WIND ENSEMBLE

12th GRADE OPTIONS

GUITAR
 PIANO KEYBOARD
 A SURVEY OF MUSIC
 MUSIC THEORY 1, 2*
 MIXED CHOIR
 CONCERT CHORALE
 SYMPHONIC BAND
 WIND ENSEMBLE

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Chamber Choir & Brewin Rebels
- ◆ Jazz Band & Pep Band



MUSIC

8510 GUITAR .5 Credit
●9 ●10 ●11 ●12

Learn to play the ACOUSTIC guitar and broaden your understanding of music. No prior music performance experience is necessary, as this course is for the beginning student. Major emphasis will be placed on learning to read standard music notation. Students are required to provide their own ACOUSTIC guitar, No guitars will be provided by the school. The instructor will provide information regarding music store rental options to parents and students who do not wish to purchase a guitar.

8530 PIANO KEYBOARD .5 Credit
●9 ●10 ●11 ●12

This course is geared towards students who would like to learn a new instrument, or students who would like to continue their piano training through this hands-on class experience. Students will learn how to read standard music notation, compose their own songs, express themselves through song, and understand key terminology in order to successfully play. This is highly recommended for any interested band or choir students who would like to add a new instrument to their repertoire. There will be a \$10.00 materials fee for the purchase of your keyboarding lesson book.

8570 A SURVEY OF MUSIC .5 Credit
●9 ●10 ●11 ●12

This course is designed for students who wish to explore the realm of music in a non-performance based setting. We will study the broad history of music, popular music genres, the music industry and the effect of music in politics. Students will be required to create works of digital music through the software Soundtrap. This class is geared toward discussions and most assignments will be completed in class, with the exception of large projects. This class is open to all GHS students and is not a performance course.

8651 MUSIC THEORY & COMPOSITION 1 .5 Credit
●9 ●10 ●11 ●12

This course is designed for students who love music, as well as students who seek to enrich their knowledge of music fundamentals to begin composing and arranging their own music. The purpose of this course is for students to develop beginning music theory skills (note names and rhythms).

8652 MUSIC THEORY & COMPOSITION 2 .5 Credit
Prerequisites: Successful completion of Music Theory & Composition 1 ●9 ●10 ●11 ●12

This course is a continuation of Music Theory & Composition 1, in which students will build on the basic skills learned in 1, as well as learning more advanced skills, to write and compose longer works for multiple instruments and voices. Students will explore orchestral, film, and vocal composition techniques in both the classical and contemporary settings.

8611 MIXED CHOIR 1 Credit
8612 ●9 ●10 ●11 ●12

This ensemble is open to all students who are interested in vocal music. This is a non-audition vocal group and its purpose is to teach proper use of the voice, elementary theory, and vocal literature. This course requires multiple performances and rehearsals outside of the school day. Students will maintain a portfolio including recorded performance samples and written materials. There will be a possible fee for participation in Solo/Ensemble.

8621 CONCERT CHORALE 1 Credit
8622 Prerequisites: Successful audition ●9 ●10 ●11 ●12

An advanced performance ensemble for vocal musicians who want to sing in a supportive rehearsal environment, and further develop their musical skills. Students will sing choral pieces from various countries, and in various styles, including classical, pop and jazz. Music literacy will be an essential component of our daily rehearsal routine. Required concert performances will be communicated via the director at the beginning of the year. Participation in the Solo Ensemble is required. There will be a possible fee for participation in Solo/Ensemble.

Symphonic Band & Wind Ensemble

ALL students who sign up for band are required to participate in the marching band. Marching band summer practices begin in late July and carry through mid-October. During the school year, the band practice 1 night per-week and attends competitions from mid/late-September-mid-October. Taking band second semester only is NOT an option. If you have questions regarding this time commitment/activity, please contact Mrs. Narlock: mnarlock@greenfield.k12.wi.us

8721	SYMPHONIC BAND	1 Credit
8722	Prerequisites: Middle School Band	●9 ●10 ●11 ●12

Students will further develop their performance skills performing varied levels and styles of wind band music. Students will also have the opportunity to work with leading band clinicians and participate in the Solo and Ensemble project in the spring. Participation in the Hustlin' Hawks Marching Band is a requirement of this course and attendance at all practices and games from July through mid-October are mandatory. This is an exciting opportunity to take the performance on the road and travel to 5 shows, culminating in the State Championship Competition at UW-Whitewater. In addition to the marching band, there are three concert performances each year: December, March and May. A performance trip is planned each year and is open to all current band students. There may be a course fee associated with this class.

8741	WIND ENSEMBLE	1 Credit
8742	Prerequisites: Successful completion of Middle School Band & audition	○9 ●10 ●11 ●12

Students will further develop their performance skills through the study and performance of advanced wind band literature. Students will also have the opportunity to work with leading band clinicians and participate in the Solo and Ensemble project in the spring. Participation in the Hustlin' Hawks Marching Band is a requirement of this course and attendance at all practices and games from July through mid-October are mandatory. This is an exciting opportunity to take the performance on the road and travel to 5 shows, culminating in the State Championship Competition at UW-Whitewater. In addition to the marching band, there are three concert performances each year: December, March and May. A performance trip is planned each year and is open to all current band students. There may be a course fee associated with this class.

PHYSICAL EDUCATION

COURSES OFFERED (* indicates a prerequisite)

CREDITS

PHYSICAL EDUCATION 9 (REQUIRED) -----	.5 CREDIT
PHYSICAL EDUCATION 10 (REQUIRED)-----	.5 CREDIT
CARDIO -----	.5 CREDIT
STRENGTH TRAINING 1, 2* -----	.5 CREDIT
BODY TONING -----	.5 CREDIT
BODY SCULPTING THROUGH YOGA AND PILATES -----	.5 CREDIT
LIFEGUARD TRAINING -----	.5 CREDIT
TEAM SPORTS -----	.5 CREDIT
RAQUET SPORTS -----	.5 CREDIT
LIFETIME SPORTS -----	.5 CREDIT
FRESHMAN HEALTH (REQUIRED) -----	.5 CREDIT

REQUIREMENTS (1.5 CREDITS)

P.E. 9- .5 CREDIT
 P.E. 10- .5CREDIT
 P.E. ELECTIVE- .5 CREDIT

9th GRADE OPTIONS

PHYSICAL EDUCATION 9 (REQUIRED)
 FRESHMAN HEALTH (REQUIRED)

10th GRADE OPTIONS

PHYSICAL EDUCATION 10 (REQUIRED)
 CARDIO
 LIFEGUARD TRAINING
 STRENGTH TRAINING 1

ELECTIVES

(ADDITIONAL .5 CREDIT REQUIRED- CHOOSE ONE)

BODY TONING
 BODY SCULPTING THROUGH YOGA AND PILATES
 CARDIO
 LIFEGUARD TRAINING
 STRENGTH TRAINING 1, 2*
 LIFETIME SPORTS
 RACQUET SPORTS
 TEAM SPORTS



POSSIBLE CAREER OPTIONS

- ◆ Phy. Ed. Teacher
- ◆ Athletic Coach
- ◆ Athletic Trainer
- ◆ Athletic Director
- ◆ Fitness Instructor
- ◆ Adaptive Phy. Ed Specialist
- ◆ Personal Trainer

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ GHS Athletic Sports
- ◆ Bowling team



PHYSICAL EDUCATION

Each class has been designed to help facilitate important components of physical fitness, strategies and skills needed to participate in a variety of activities for a lifetime of active living, and the overall importance of leading a physically active life has on the total person. Each offering has been designed to align with the state standards for Physical Education which have been adopted by the Greenfield School District.

ALL classes are co-educational. Freshmen and Sophomore physical education classes are separate. During your Junior and Senior years, the students can choose their physical education classes. Students **may not** take the same section both years. The course they select their senior year must be different than the one they chose their junior year.

There are many benefits to leading a physically active lifestyle. Students' achievement increases as their activity level increases. Some of the benefits of physical fitness are staying healthy, muscle development, and increased flexibility. Increasing the activity and fitness levels of all students is our major goal.

The following units will be taught in these courses:

9060 PHYSICAL EDUCATION 9 (REQUIRED)

Swim
Cardio/Strength Conditioning
Dance
Floor Hockey
Soccer
Eclipse Ball

9070 PHYSICAL EDUCATION 10 (REQUIRED)

Swim
Cardio/Nutrition/Wt. lifting
Tennis
Volleyball
Softball
Pickleball

*Grade 10 Electives
Lifeguard Training
Cardio
Strength Training 1

JUNIOR AND SENIOR SECTIONS AND UNITS TAUGHT:

9090 Team Sports

Water Polo
Football
Soccer/Speedball
Floor Hockey
Basketball
Volleyball
Ultimate Frisbee

9092 Racquet Sports

Swim
Pickleball
Eclipse Ball
Tennis
Cardio
Badminton
Table Tennis

9093 Lifetime Sports

Water Sports
Archery
Floor Hockey
Volleyball
Tennis
Softball

Single Focus Classes:

9091 Cardio

.5 Credit

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The students will understand the knowledge of health and physical education concepts and skills to assume lifelong responsibility. The students will develop physical, social and emotional wellness. The students will learn and apply health promotion concepts and skills to support a healthy, active lifestyle. The students will recognize their present strengths and weaknesses and establish 2 or more goals with action plans to improve their fitness and nutrition levels. The students will do monthly reflections based on their caloric outtake, miles accumulated, duration and lap/mile times. The students will reflect on their accomplishments and setbacks.

9095 Strength Training 2 .5 Credit
Prerequisite: Strength & Conditioning 2 & Teacher Approval ○9 ○10 ●11 ●12

Students who take Strength & Conditioning 2 will have the opportunity to learn the proper technique of various Ground Based Lifts (which includes: Snatch, Back Squats and the Clean and Press Combo) while we focus on power, explosion and balance throughout each movement. Students will also continue to work towards mastery from out ST1 lifts: Front/Back Squats, High Pulls, Hang Cleans, Split Jerk, Snatch, Bench and Incline. This course also includes a variety of new/old trends in aerobic fitness. (which includes: ladder workouts, cones drills, hurdles, plyo boxes, battle ropes) Students will gain confidence as they develop the techniques of each GBL, as they ultimately develop a disposition for physical fitness and wellness.

9096 Body Toning .5 Credit
○9 ○10 ●11 ●12

Students who take Body Toning will have the opportunity to learn various ways to sculpt their body through the latest and up to date techniques relating to low impact aerobics. This class will include yoga, pilates, medicine ball/dome workouts, resistance bands, exercise balls, and water aerobics. This course is a great way to gain the skills and the lifetime disposition for physical fitness and wellness.

9100 Body Sculpting through Yoga and Pilates .5 Credit
Prerequisite: Body Toning ○9 ○10 ●11 ●12

Students who take Body Sculpting will have the opportunity to build on what they have already learned in Body Toning. Body Sculpting will focus on improving your balance, strength and flexibility while enhancing coordination and mental focus. This class will be centered on different disciplines of Yoga and various formats of Pilates. This course is a great way to refine your Yoga and Pilates skills so you can continue a lifetime disposition for personal wellness.

9097 LIFEGUARD TRAINING .5 Credit
○9 ●10 ●11 ●12

The American Red Cross Lifeguarding course is to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize, and respond to aquatic emergencies. This course will also provide professional-level care for breathing and cardiac emergencies, injuries and sudden illnesses until emergency medical services personnel take over. This program offers a choice of Lifeguarding/First Aid/CPR/AED courses to meet the various training needs of a diverse audience.

Physical Education Medical Policy

When students are unable to participate in daily class activities due to injury or illness, the following criteria is used to determine the course of action for each student:

1. Students must supply their teacher with a signed note from a **Medical Physician** stating the following:
 - Reason for absence
 - Physical limitations of the student
 - Length of time the student is to miss the specific activity
 - Alternative activities they can participate in. (example: a person with an allergic reaction to chlorine can participate in any activity that is done outside of the pool).
2. Students may be placed in another Physical Education class during their assigned hour, if that class is participating in a unit that allows for participation by the student based on the medical excuse.
3. Students who miss time due to a medical will be held responsible for completing written work related to the activity that they are missing. They are also responsible for completing the measurable objective assessments related to that unit.
4. Missing more than six weeks of a class due to a medical may require the student to be placed in a Physical Education class during the next semester of classes in order to meet the curricular objectives needed to receive credit for the class. If special circumstances are present, the student will be referred to their school counselor for a determination of placement and credit issues.

Students will study and communicate personal and community health; mental, emotional, and social health; injury prevention and safety; nutrition and physical activity; alcohol, tobacco, and other drugs; human growth and development, sexual health, and Hands-Only CPR. This course is a required course for graduation.



Curriculum Course Map

Freshman Health

The Health Education course is designed to enhance the students' understanding in the areas of Wellness, Alcohol/Tobacco/ and Drugs, Nutrition, Mental Health and Suicide, and Human Growth and Development – Pregnancy, Male/Female Reproductive Systems, and STI's. Students will participate in numerous classroom activities designed to help them understand how to lead a more satisfying, productive, and healthy life. Multimedia presentations along with a number of guest speakers will supplement student centered activities.

1. Influences, Decide, Life
2. Expectancy, Goals, Wellness
3. Nutrition Overview
4. Mental Health
5. HGD
6. Drugs/Alcohol



Health Influences

This course probes deeper into the eight leading influences that are key to health and wellness, which are introduced in Health 9 (Behavior, Environment, Genetics, Technology, Healthcare, Social, Political and Media). This course provides the opportunity to investigate and comprehend the eight key influences in-depth while creating a safe environment to analyze the impacts on overall health and wellness. Diverse media and input, including guest speakers, will help to provide local and regional context and data connected to contemporary community health concerns. Students will examine and discuss careers directly related to health and wellness. The course will prepare students to apply learning to self, as well as advocate for the well-being of others.

- 8 Key Influences in Depth
- Behavior
 - Environment
 - Genetics
 - Technology
 - Healthcare
 - Social
 - Politics
 - Media



Health Literacy

This course will allow students to explore deeper into the increased health risks and topics that plague our society today. Students will take a personalized approach to learning as they engage in relevant discussions related to current events, policies, and societal norms. Students will analyze and apply knowledge focused on how the risks/topics not only impact us--individually, but globally as well. Students in this course will develop a meaningful proposal to help improve lifestyle choices to make a healthy impact on community well-being and on their own personal well-being. As a final performance assessment students will share their research in the form of a health fair for the Greenfield Community.

- Review of Influences
- Current Events
- Community and Global Health
- Perception - resources
- Becoming Advocate w Proposal



SCIENCE

COURSES OFFERED

(* indicates a prerequisite)

CREDITS

BIOLOGY (REQUIRED) -----	1 CREDIT
CHEMISTRY (REQUIRED) -----	1 CREDIT
PHYSICS* -----	1 CREDIT
HUMAN ANATOMY & PHYSIOLOGY* -----	1 CREDIT
EARTH AND THE SOLAR SYSTEM -----	.5 CREDIT
SCIENCE AND SOCIETY* -----	.5 CREDIT
PRINCIPLES OF THE BIOMEDICAL SCIENCES* -----	1 CREDIT
MEDICAL INTERVENTIONS* -----	1 CREDIT
AP BIOLOGY* -----	1 CREDIT
AP CHEMISTRY* -----	1 CREDIT
AP PHYSICS 1* -----	1 CREDIT
AP PHYSICS 2* -----	1 CREDIT
AP ENVIRONMENTAL* -----	1 CREDIT



POSSIBLE CAREER OPTIONS

- ◆ Anthropologist
- ◆ Biologist
- ◆ Chemist
- ◆ Psychologist
- ◆ Science Teacher
- ◆ Epidemiologist
- ◆ Forensic Specialist
- ◆ Lab Technician
- ◆ Environmental Scientist

REQUIREMENTS (3 CREDITS)

BIOLOGY – 1 CREDIT
 PHYSICAL SCIENCE- 1 CREDIT
 JUNIOR SCIENCE ELECTIVE- 1 CREDIT

10th GRADE OPTIONS

CHEMISTRY (REQUIRED)
 HUMAN ANATOMY & PHYSIOLOGY*
 SCIENCE AND SOCIETY*
 PRINCIPLES OF BIOMEDICAL SCIENCES*
 MEDICAL INTERVENTIONS*
 AP BIOLOGY*
 AP ENVIRONMENTAL*

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

9th GRADE OPTIONS

BIOLOGY (REQUIRED)

11th GRADE OPTIONS

CHEMISTRY
 PHYSICS*
 HUMAN ANATOMY & PHYSIOLOGY*
 EARTH & THE SOLAR SYSTEM
 SCIENCE AND SOCIETY*
 PRINCIPLES OF BIOMEDICAL SCIENCES*
 MEDICAL INTERVENTIONS*
 AP BIOLOGY*
 AP CHEMISTRY*
 AP PHYSICS 1* & 2*
 AP ENVIRONMENTAL*

12th GRADE OPTIONS

CHEMISTRY
 PHYSICS*
 HUMAN ANATOMY & PHYSIOLOGY*
 EARTH & THE SOLAR SYSTEM
 SCIENCE AND SOCIETY*
 PRINCIPLES OF BIOMEDICAL SCIENCES*
 MEDICAL INTERVENTIONS*
 AP BIOLOGY*
 AP CHEMISTRY*
 AP PHYSICS 1* & 2*
 AP ENVIRONMENTAL*

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Science National Honor Society
- ◆ SkillsUSA
- ◆ Robotics Team
- ◆ National Honor Society



SCIENCE

3131 BIOLOGY 1 Credit
3132 ○9 ○10 ○11 ○12

Students cultivate their scientific mind-set and understanding of biology through inquiry-based study of topics like biochemistry, cellular processes, heredity and evolution.

3431 CHEMISTRY 1 Credit
3432 ○9 ●10 ●11 ●12

Chemistry is the study of matter, its properties, composition, and reactivity. Students will perform laboratory work to learn connections between evidence, reasoning, and models that explain natural phenomena.

3511 PHYSICS 1 Credit
3512 Recommended Prerequisites: "C" or better in Biology, Chemistry, Algebra and Geometry ○9 ○10 ●11 ●12
Recommendation of previous science and math teachers

Students will study the nature and properties of matter and energy. Students will use laboratory work for a significant part of the course and will aid in making connections between evidence, reasoning, and models that explain natural phenomena.

3551 HUMAN ANATOMY AND PHYSIOLOGY 1 Credit
3552 Recommended Prerequisites:"C" in Biology or Honors Biology ○9 ●10 ●11 ●12

In Anatomy & Physiology, students will utilize rigorous academic content, laboratory experiences, and clinical applications to familiarize students with the structures and functions of their own body systems. Students will gain a more detailed explanation of human body systems and their related organs. Students will explore the interactions of these systems and the mechanisms of maintaining a fine balance within each one and within the body as a whole. Students will participate in a significant amount of laboratory work to teach about these connections within this college preparatory course.

3580 EARTH AND THE SOLAR SYSTEM .5 Credit
Recommended Prerequisites: Biology ○9 ●10 ●11 ●12

Students will build on their current understanding of Earth processes, as well as aspects of astronomy such as Earth's place in the universe and in our solar system. Units include Earth's interior and exterior, Earth's atmosphere and climate, and our solar system. The class will include structured class discussions, labs, and research presentations.

3730 SCIENCE AND SOCIETY .5 Credit
Recommended Prerequisites: Biology ○9 ●10 ●11 ●12

Students will consider the various ways that science influences society, and how society influences science/technology. The goal of this course is to consider a wide variety of science/technology applications and allow room for students choice.

3751 PRINCIPLES OF THE BIOMEDICAL SCIENCES (PBS) 1 Credit
3752 Recommended Prerequisites Grade 10: B or better in Biology ○9 ●10 ●11 ●12

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine the factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

3721 MEDICAL INTERVENTIONS (MI) 1 Credit
3722 Recommended Prerequisites: ○9 ●10 ●11 ●12
Grade 10: Principles of Biomedical Science
Grades 11/12: Successful completion of Anatomy and Physiology or AP Biology highly recommended

In this course, students will learn about the medical interventions used to diagnose, treat, and prevent various medical conditions. Students will learn about each type of intervention from multiple perspectives, including research, individual patient, public health, medical ethics, global, and historical contexts. This course should help students to prepare for a healthcare career, better understand how the human body works, and make more informed medical decisions.

3621 ADVANCED PLACEMENT (AP) BIOLOGY 1 Credit

3622 Recommended Prerequisites: "A" in Biology, "B" or better in Chemistry or with consent of the AP teacher. ○9 ●10 ●11 ●12

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.

3641 ADVANCED PLACEMENT (AP) CHEMISTRY 1 Credit

3642 Recommended Prerequisites: Grades 11, 12; "B" or better average in all Math courses and in Chemistry, or with consent of AP teacher. ○9 ○10 ●11 ●12

This is a second year chemistry course that offers the opportunity to earn college credit upon successful completion of the AP test in the spring. The class is equivalent to a first semester college course in chemistry. The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry.

Students will cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

3611 ADVANCED PLACEMENT (AP) ENVIRONMENTAL SCIENCE 1 Credit

3612 ○9 ●10 ●11 ●12

The AP Environmental Science course is designed to be the equivalent of an introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them.

3661 ADVANCED PLACEMENT (AP) PHYSICS 1 1 Credit

3662 Recommended Prerequisites: "C" or better in Biology, Chemistry, Algebra and Geometry ○9 ○10 ●11 ●12

In this first year physics course, students will have the opportunity to earn college credit upon successful completion of the AP test in the spring. The class is equivalent to a first semester college course in algebra-based physics.

3671 ADVANCED PLACEMENT (AP) PHYSICS 2 1 Credit

3672 Recommended Prerequisites: "C" or better in Biology, Chemistry, Algebra and Geometry ○9○10 ●11 ●12

This is a full year physics course, students will have the opportunity to earn college credit upon successful completion of the AP test in the spring. The class is equivalent to a second semester college course in algebra-based physics.

SOCIAL STUDIES



COURSES OFFERED (* indicates a prerequisite)

CREDITS

GLOBAL STUDIES -----	1 CREDIT
AP HUMAN GEOGRAPHY -----	1 CREDIT
WORLD HISTORY -----	.5 / 1 CREDIT
AMERICAN GOVERNMENT -----	.5 CREDIT
U.S. HISTORY -----	1 CREDIT
AP U.S. HISTORY* -----	1 CREDIT
ECONOMICS (REQUIRED) -----	.5 CREDIT
AP ECONOMICS -----	1 CREDIT
U.S. HISTORY SINCE 1945 (REQUIRED) -----	.5 CREDIT
WORLD AFFAIRS -----	1 CREDIT
SOCIOLOGY -----	.5 CREDIT
PSYCHOLOGY -----	.5 CREDIT
AP PSYCHOLOGY -----	1 CREDIT
AP EUROPEAN HISTORY (1400 – PRESENT) -----	1 CREDIT

POSSIBLE CAREER OPTIONS

- ◆ Political Scientist
- ◆ Economist
- ◆ Sociologist
- ◆ Psychologist
- ◆ Urban & Regional Planner
- ◆ History Teacher
- ◆ Historian
- ◆ Archeologist

REQUIREMENTS (3.5 CREDITS)

“WORLD/GLOBAL” ELECTIVE- .5 OR 1 CREDIT
 U.S. HISTORY- 1 CREDIT
 U.S HISTORY 45- .5 CREDIT
 ECONOMICS- .5 CREDIT
 SOCIAL STUDIES ELECTIVE- .5 OR 1 CREDIT

10th GRADE OPTIONS

(CHOOSE ONE- REQUIRED)

U.S HISTORY

OR

AP U.S. HISTORY*

ELECTIVES

GLOBAL STUDIES

AP HUMAN GEOGRAPHY

WORLD HISTORY

AMERICAN GOVERNMENT

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

9th GRADE OPTIONS

(CHOOSE ONE- REQUIRED)

GLOBAL STUDIES

AP HUMAN GEOGRAPHY

WORLD HISTORY

ELECTIVE

AMERICAN GOVERNMENT

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ Rho Kappa (Social Studies Honor Society)
- ◆ Student Senate
- ◆ National Honor Society
- ◆ Global Scholars
- ◆ History Bowl Team
- ◆ Psychology Club

11th GRADE OPTIONS

(REQUIRED):

ECONOMICS / AP ECONOMICS

U.S. HISTORY SINCE 1945

ELECTIVES:

GLOBAL STUDIES

AP HUMAN GEOGRAPHY

WORLD HISTORY

AP U.S. HISTORY*

WORLD AFFAIRS

SOCIOLOGY

PSYCHOLOGY / AP PSYCHOLOGY

AP EUROPEAN HISTORY (1400-PRESENT)*

12th GRADE OPTIONS

GLOBAL STUDIES

AP HUMAN GEOGRAPHY

WORLD HISTORY

AP U.S. HISTORY*

ECONOMICS / AP ECONOMICS

U.S. HISTORY SINCE 1945

WORLD AFFAIRS

SOCIOLOGY

PSYCHOLOGY / AP PSYCHOLOGY

AP EUROPEAN HISTORY (1400-PRESENT)*



SOCIAL STUDIES

2141 GLOBAL STUDIES

1 Credit

2142

●9 ●10 ●11 ●12

Global Studies is a course based on human geography that combines population, political, economic, urban, and cultural geography to explore the relationships between humans and their environment in order to better understand the broad social patterns that shape human societies. There will be eight units in the course. We will also focus on life-long skills (collaboration, communication, critical thinking, etc.).

2151 ADVANCED PLACEMENT (AP) HUMAN GEOGRAPHY

1 Credit

2152

●9 ●10 ●11 ●12

AP Human Geography is a year-long course that focuses on the understanding of the interconnections between people, places, and the environment. The course is designed to meet the experience of an introductory one-semester college human geography course. The course provides a broad survey of human geography, investigating how civilization is influenced by geography, population, agriculture, land use, natural resources, industry & economics, politics, culture, and urbanization. Students will be strongly encouraged to take the AP test in May.

2441 WORLD HISTORY

.5/1 Credit

2442

●9 ●10 ●11 ●12

This course will begin with the students analyzing the formation of different ancient civilizations in the various regions of the world. Eventually the students will begin to focus on studying European history chronologically, leading to colonial America. Students will be asked to look for commonalities in the formation of multiple civilizations. In order to become familiar with the history of the world and how it affects our lives today, students will be active in class discussions, role playing activities, group work, document analysis, and map activities.

2410 AMERICAN GOVERNMENT

.5 Credit

●9 ●10 ●11 ●12

.In this course, high school students will be provided with an introductory course in American Government. American Government is a one semester course that surveys the size, scope, and function of our government. This course will visit the beginnings of political thought, the foundations of American political philosophy, and the structure and function of the United States government. Students will also investigate the rights and freedoms that all Americans enjoy as well as the limits to those liberties. In addition, students will also discuss and develop an understanding concerning the responsibilities that all citizens share.

2231 UNITED STATES HISTORY

1 Credit

2232

○9 ●10 ○11 ○12

This course covers the development of the United States from the end of the Civil War (1865) to the end of World War Two (1945). Emphasis will be placed on challenging you to think critically about the development of the United States. We will study the development of the United States politically, socially, and economically by looking at history through multiple perspectives and a variety of sources. A focus will be placed on how historical events affect contemporary issues. Diverse teaching methods will be implemented including class discussions, role playing activities, group work, document analysis, and map activities.

2341 ADVANCED PLACEMENT (AP) U.S. HISTORY

1 Credit

2342

Recommended Prerequisites: "B" or better average; or consent of social studies teacher ○9 ●10 ●11 ●12

This course is designed to provide high school students with the experience of an introductory level college course in U.S. history. Students will read historical material both critically and analytically, reflect upon historical evidence, participate in discussion, and write about central themes and major ideas in America's long and engaging epic. This course will focus on political, social, military, cultural, and diplomatic history from colonization to modern times.

2330 ECONOMICS

.5 Credit

○9 ○10 ●11 ●12

In this course students will expand their knowledge of our economic system through analysis of major areas of our economy. Students will master basic economic concepts (Supply and Demand, Scarcity, Opportunity cost, Marginal analysis, ect.) that will be the foundation of future economic analysis throughout the course. Students will attempt to solve real world issues utilizing economic thought. Students will utilize economic concepts to create an effective advertising campaign for an undesirable product. Students will create their business plan using different structures and identify their need for employees. Students will analyze the current state of our financial system and propose changes to make it more effective for all. Students

will analyze economic data and recommended policy changes for the government. Students will create a budget for post-secondary life.

2331 AP ECONOMICS 1 Credit
2332 ○9 ○10 ●11 ●12

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. (Taken from the College Board)

2480 UNITED STATES HISTORY SINCE 1945 (US '45) .5 Credit
○9 ○10 ●11 ●12

In this course, students will expand their critical, creative, and analytical social studies skills, as well as refining their historical understanding. Students will develop their abilities in constructing meaningful questions that initiate inquiry, gather and evaluate sources, develop claims using evidence to support reasoning, communicate and critique conclusions, and become civically engaged. These will take a modern U.S. focus from the end of World War II to the present and how the economic, social and political elements impact our lives.

2431 WORLD AFFAIRS 1 Credit
2432 Recommended Prerequisites: Grades "B" or better average in previous social studies classes ○9 ○10 ●11 ●12

The purpose of the course is to engage students in a study of international events and problems. Course content is determined by the constant evolution of world events. Areas of focus include: human rights, the United Nations, Sustainable Development Goals (SDG), global conflict, peacekeeping and peacemaking, the European Union, and topical global and political issues. Student participation is key in this class as it is discussion based on a daily basis with many writing activities.

The class requires participation in the state-wide annual Wisconsin High School Model United Nations held at UW-Milwaukee, second semester.

2450 SOCIOLOGY .5 Credit
○9 ○10 ●11 ●12

This course is designed to provide junior and senior high school students with an introductory level course in Sociology. Sociology is the scientific study of human social behavior and its patterns and that is why this course is designed to give students an understanding of basic sociological concepts: including theory, research methods, culture, stratification, social structure, and a variety of other sociological phenomena. The course will be broken up into sections relating to sociological perspectives and research, socialization, social structure, crime and deviance, division, and social institutions. The focus of the course is to provide students with a survey of what the field of Sociology has to offer.

2500 PSYCHOLOGY .5 Credit
○9 ○10 ●11 ●12

In this course, students will expand their knowledge of human behavior in an effort to better understand themselves, others and situations. Students will explore topics relating to motivation, emotion, personality, development, identity, learning, memory, cognition, social/group influences and mental health. Students will explore the diverse and fascinating field of psychology by engaging in simulations, participating in lab activities, examining psychological studies, conducting research, examining psychology related careers and applying psychological theories and phenomena.

2501 ADVANCED PLACEMENT (AP) PSYCHOLOGY 1 Credit
2502 ○9 ○10 ●11 ●12

The AP Psychology course introduces students to the scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. (taken from the AP College Board)

2392 Recommend Prerequisites: B or better average in all Social Studies classes
and consent of Social Studies teacher

○9 ○10 ●11 ●12

The AP European History course is designed to engage students in the historical thinking skills and reasoning processes by using course content of European History from 1450-Present to apply those skills. Students will identify and explain historical developments, analyze sourcing and situation of primary and secondary sources, analyze arguments in primary and secondary sources, analyze the context of historical events, developments, or processes, analyze patterns between and among historical developments, develop and apply arguments about historical events, people and/or impacts from 1450-present.

(as outlined by the AP College Board):

WORLD LANGUAGE

<u>COURSES OFFERED</u>	(* indicates a prerequisite)	<u>CREDITS</u>
GERMAN 1-----		1 CREDIT
GERMAN 2*-----		1 CREDIT
GERMAN 3*-----		1 CREDIT
GERMAN 4*-----		1 CREDIT
GERMAN 5*-----		CREDI
SPANISH 1-----		1 CREDIT
SPANISH 2*-----		1 CREDIT
SPANISH 3*-----		1 CREDIT
SPANISH 4*-----		1 CREDIT
AP SPANISH LANGUAGE AND CULTURE*-----		1 CREDIT



POSSIBLE CAREER OPTIONS

- ◆ Teacher/Professor
- ◆ Translator/ Interpreter
- ◆ Travel Agent
- ◆ Flight Attendant
- ◆ Hotel Manager
- ◆ Human Resources Specialist
- ◆ Tour Guide
- ◆ Customer Service Rep

CAREER BASED LEARNING EXPERIENCES

- ◆ Youth Apprenticeship
- ◆ Job Shadow
- ◆ Guest Speakers
- ◆ Industry Tours
- ◆ Labs
- ◆ Independent Study
- ◆ Internship

RELATED SCHOOL CLUBS & ORGANIZATIONS

- ◆ German National Honor Society
- ◆ Spanish Honor Society
- ◆ Culture Club



9th GRADE OPTIONS

GERMAN 1
 GERMAN 2*
 SPANISH 1
 SPANISH 2*

10th GRADE OPTIONS

GERMAN 1
 GERMAN 2*
 GERMAN 3*
 SPANISH 1
 SPANISH 2*
 SPANISH 3*

11th GRADE OPTIONS

GERMAN 1
 GERMAN 2*
 GERMAN 3*
 GERMAN 4*
 SPANISH 1
 SPANISH 2*
 SPANISH 3*
 SPANISH 4*

12th GRADE OPTIONS

GERMAN 1
 GERMAN 2*
 GERMAN 3*
 GERMAN 4*
 GERMAN 5*
 SPANISH 1
 SPANISH 2*
 SPANISH 3*
 SPANISH 4*
 AP SPANISH AND CULTURE*

Global Scholars Program (GSP): This is offered to graduating high school students who demonstrate a strong interest in global citizenship by successfully completing a global education curriculum and engaging in co-curricular activities and experiences that foster the development of global competencies. Students choosing to participate in the GSP program must complete the following:

- four years of a world language
- four credits of coursework with a global focus
- create at least eight reflections on international/culture events or media
- attend four cultural events
- participate in a global service project (20 hours minimum)

Please contact Mrs. Goodkind or Mrs. Redfinger for more information.

WORLD LANGUAGE

5311	GERMAN 1	1 Credit
5312		●9 ●10 ●11 ●12

Come join the over 200 million people from around the world who speak German, as we explore the German-speaking world in this introductory language course! You will develop basic skills for meaningful communication centered around a variety of contemporary themes. Throughout this course you will develop global competency skills that are highly marketable and sought after in today's world.

* Note: German 1 fulfills 1 of 4 credits of the same world language, required for the Global Scholars Program and to earn the Certificate of Global Competence.

5321	GERMAN 2	1 Credit
5322	Prerequisites: Successful completion of German 1. Grade 9 students also need recommendation of middle school world language teacher	●9 ●10 ●11 ●12

Take your German to the next level! You will build upon what you learned in German 1 by developing real-world survival skills for communicating in German. Your language journey will help you expand your global perspective as you explore a variety of important cultural products, practices and perspectives of people from German-speaking countries.

* Note: German 2 fulfills 1 of 4 credits of the same world language, required for the Global Scholars Program and to earn the Certificate of Global Competence.

5331	GERMAN 3	1 Credit
5332	Prerequisites: Successful completion of German 2.	○9 ●10 ●11 ●12

Expand your German communication skills and global awareness! You will become more comfortable communicating in German by using the language to explore key themes and perspectives through authentic media. You will learn to express yourself more confidently and comprehend what you read, hear and view in greater detail. As you progress in German you will begin to gain insight into your own language and culture.

* Note: German 3 fulfills 1 of 4 credits of the same world language, required for the Global Scholars Program and to earn the Certificate of Global Competence.

5341	GERMAN 4	1 Credit
5342	Prerequisites: Successful completion of German 3.	○9 ○10 ●11 ●12

See how far you have come and make greater strides in improving your communication skills and global awareness! You will become able to communicate and understand with greater detail, clarity and ease as you investigate the world and analyze varying perspectives reflected in authentic media. Your growing proficiency in German will allow you to gain deeper insight into your own language and culture.

* Note: German 4 fulfills 1 of 4 credits of the same world language, required for the Global Scholars Program and to earn the Certificate of Global Competence.

5351	GERMAN 5	1 Credit
5352	Prerequisites: Successful completion of German 4.	○9 ○10 ○11 ●12

Express and support your ideas and opinions with confidence! By investigating, discussing and debating compelling global issues, you will develop your analytical and persuasive skills, communicate more effectively, learn to use German for research, and strengthen your comprehension of authentic media. Your improved proficiency in German will help you reflect more deeply on your own language and culture.

* Note: German 5 fulfills 1 of 4 credits of the same world language, required for the Global Scholars Program and to earn the Certificate of Global Competence.

5511 SPANISH 1 1 Credit
5512 ●9 ●10 ●11 ●12

In Spanish 1, students will be introduced to key concepts so that they may be able to exchange greetings, give their identity, talk about themselves and family, be able to have basic conversations and name a number of familiar objects from their immediate environment. Students will participate in daily activities that practice speaking, reading, writing and listening to achieve communication in the Spanish language.

* Note: Spanish 1 fulfills 1 of 4 credits of the same world language, required for the Global Scholars Program and to earn the Certificate of Global Competence.

5521 SPANISH 2 1 Credit
5522 Prerequisites: Successful completion of Spanish 1 ●9 ●10 ●11 ●12

In Spanish 2 students will increase their fluency, vocabulary and comprehension by communicating on a variety of everyday topics such as cooking, transportation, pastimes, shopping and health needs. Students will participate in daily activities that practice speaking, reading, writing and listening to achieve communication in the Spanish language.

* Note: Spanish 2 fulfills 1 of 4 credits of the same world language, required for the Global Scholars Program and to earn the Certificate of Global Competence.

5531 SPANISH 3 1 Credit
5532 Prerequisites: Successful completion Spanish 2 ○9 ●10 ●11 ●12

In Spanish 3 students will increase their fluency, vocabulary and comprehension by communicating on a variety of everyday topics such as travel, community, homes and neighborhoods, social activities and the environment. Students will participate in daily activities that practice speaking, reading, writing and listening to achieve communication in the Spanish language.

* Note: Spanish 3 fulfills 1 of 4 credits of the same world language, required for the Global Scholars Program and to earn the Certificate of Global Competence.

5541 SPANISH 4 1 Credit
5542 Prerequisite: Successful completion of Spanish 3 ○9 ○10 ●11 ●12

In Spanish 4 students will be able to use real-world applications of Spanish by creating dialogs, presentations and writings to demonstrate their ability to speak and write and understand Spanish. Students will study technology, sports, foods, music and much more. Students will be able to communicate with peers and other Spanish speakers on a variety of topics with confidence and ease.

* Note: Spanish 4 fulfills 1 of 4 credits of the same world language, required for the Global Scholars Program and to earn the Certificate of Global Competence.

5551 AP SPANISH LANGUAGE AND CULTURE 1 Credit
5552 Prerequisites: Successful completion of Spanish 4 ○9 ○10 ○11 ●12

Understand Spanish spoken by native speakers at a natural pace, with a variety of regional pronunciations, in both informal (interpersonal) and formal (presentational) contexts; develop an active vocabulary sufficient for reading newspaper and magazine articles, contemporary literature, and other non-technical writings (websites, letters and emails, advertisements, signs and instructions) in Spanish without dependence on a dictionary; express yourself by describing, narrating, inquiring, and developing arguments in Spanish, both orally and in writing, with reasonable fluency, using different strategies for different audiences and communicative contexts. In this course, special emphasis is on combining listening, reading and speaking in order to communicate in Spanish.

* Note: AP Spanish fulfills 1 of 4 credits of the same world language, required for the Global Scholars Program and to earn the Certificate of Global Competence.

