



GREENFIELD HIGH SCHOOL

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Donna M. Woodcock
Principal

Guidance Counselors
Siobhan Fitzgerald
Shelly DeMeo

Dear Students:

We are pleased to present to you the Greenfield High School Program of Studies for the 2011-2012 academic year. Our faculty and staff are especially happy to welcome the Class of 2015 to Greenfield High School. It is our goal to build a positive school climate that allows for all students to achieve academically and to enrich their life through the exploration of a wide range of course offerings.

Our 2011-2012 Program of Studies reflects the mission of our school system. Please take the time to look carefully at all the offerings and check for the proper sequencing in departments. Certain courses are needed for high school graduation in Massachusetts. Other courses allow students to follow their dreams and try new areas of learning.

Your careful attention to the course selection process will help us to develop an educational program which will best meet the needs of each individual student. Graduation requirements are detailed in this catalogue and should be tracked yearly using the work sheet in the back.

Students will be registering online during school in March. We will be making decisions regarding teacher assignments, number of course sections, and the specific placement of courses in the master schedule based on student selections. It is for this reason that students need to be thoughtful in their selections and provide alternative selections on their registration sheets. After receiving all the student choices, a master schedule will be developed, and we will mail home a copy of each student's selections. This will be reviewed by the student's guidance counselor, current teachers, and the student's parent(s) or guardian(s). We encourage you to call the guidance department to discuss concerns or to plan for future academic success.

Next year, Greenfield High School will have an excellent educational program taught by a dedicated and highly qualified staff. Our high school is committed to providing each student an individualized, enriching education. We look forward to having an exciting high school program for you at Greenfield next year.

Sincerely,

Donna M. Woodcock

A Note From Your Guidance Counselors....

Welcome to Greenfield High School. This is an exciting place to be. Our new Program of Studies has been expanded, adding additional innovative, exciting, and challenging courses. We have also added several ways that a student can accelerate their studies by offering the following unique opportunities:

- Take college courses at Greenfield Community College as an upper-classman, earning high school graduation credits and college credits simultaneously!
- Explore in depth a subject of choice through mentoring and independent study opportunities with experts in the field.
- Take an online course and choose from over a hundred course offerings, like Introduction to Zoology or Game Design I and II.

It is our goal in the Guidance Department to work closely and carefully with each student by planning a four-year program of study that not only meets our vigorous credit and course requirements, but also furthers the future plans and desires of each student. So, whether you anticipate attending a four-year university, a two-year college, or embarking on a technical career, Greenfield High School is an excellent choice to meet your goal!

Please review our courses, observe our graduation requirements and use the sample four-year plan sheet to create a tentative plan of study. Use this plan as a springboard for discussion at home and with your guidance counselor.

We are looking forward to crafting a special plan for each of our students for next year.

Sincerely,

Siobhan FitzGerald

Shelly DeMeo

Siobhan FitzGerald
Guidance Counselor
Greenfield High School

Shelly DeMeo
Guidance Counselor
Greenfield High School



GREENFIELD HIGH SCHOOL
1 Lenox Avenue
Greenfield, MA 01301



**GREENFIELD HIGH SCHOOL'S
MISSION STATEMENT**

The mission of Greenfield High School, in active partnership with students, families, and the community, is to provide for students' academic, social, and civic development. In an evolving society, our common purpose is to create a positive, safe, and supportive learning environment that will inspire students to achieve their personal best throughout their lives.

PROGRAM OF STUDIES

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STUDENTS AND PARENTS

This Program of Studies booklet has been prepared to provide you and your parents with valuable information about course offerings and program planning at Greenfield High School. The decisions you make here are some of the most important you will ever make as they can have a great deal of impact on your future. Please select your courses carefully. Make your selections as challenging as possible taking into consideration your special interests and abilities, your future educational plans, and your future career plans.

This year you will register for courses on-line in the computer lab and will be mailed home a print out of your selections to be signed by your parent or guardian and returned to guidance. Should there be any questions, you and your parents are encouraged to call and make an appointment with guidance to resolve the issue.

Based on your course selections, a master schedule will be developed. The decisions you make here will also have a great deal of impact on the courses that are eventually offered, the master schedule, class sizes, and the availability of materials. Therefore, it is extremely important that you seriously consider your programs and carefully select your courses.

COURSE LOAD

All students are required to elect a maximum of seven (7) courses for the school year. Six (6) courses per year are needed to meet graduation requirements. Students who need a period for studying, community service, or independent study may arrange this through guidance. We prefer students take advantage of the many courses and electives we offer.

COURSE AVAILABILITY

While we will endeavor to meet all requests, please understand that due to conflicts among courses, limited enrollment, and combinations of courses selected, it is not possible to schedule every student for every class elected. The number of courses you select that have only one section greatly increases the likelihood that you will not be able to schedule all of these courses. Therefore, give serious consideration to selecting appropriate alternative courses, as they will be used if it is impossible to schedule your preferred electives. The availability of elective courses is contingent upon enrollments and the availability of staff.

ADVANCED PLACEMENT (AP) COURSES

Next year we will offer grade 11 and 12 AP courses in U.S. History, European History, Calculus, English Language, English Literature, French, Spanish, and Environmental Science. These courses are rigorous, demanding programs sponsored by the College Board. All students taking AP courses across the country follow the same curricula. These courses allow students to take college-level courses while in high school. At the completion of the course, an examination is administered for which students have the opportunity to earn college credit or appropriate placement in college. Each college, however, determines how it will use the AP Examination results. (Students are responsible for all associated testing fees). You will need to get Department approval in each of these subjects in order to take the course in that specific area.

CREDITS NEEDED TO GRADUATE: 120 Credits
(24 year-long courses or the equivalent)

DISTRIBUTION OF GRADUATION REQUIREMENTS

Minimal Course Requirements:

- a. Four (4) English courses (year long)
- b. Three (3) Math courses (year long)
- c. Three (3) Science courses (year long)
- d. Three (3) Social Studies courses (year long)
- e. One (1) Health course (two 1/2 year courses)
- f. Two (2) Wellness courses (four 1/2 year courses)
 - i. Wellness includes courses that develop lifelong activities, fitness activities, weight training, yoga, dance, tennis, and physical education classes. Participation on a team does not exempt students from the state wellness requirement
- g. One (1) Technology course
 - i. Technology courses include web design, film production, computer animation, computer programming, computer aided design, woodworking and construction, metalwork, and manufacturing, sustainable technologies, etc.
- h. Two (2) Arts and Humanities courses (equivalent of 2 year long courses)
 - i. Humanities and art courses include: arts, music, world language, business, film studies, textile arts, culinary arts, etc.
- h. Five (5) electives, in any area (equivalent of 5 year-long courses).

It is recommended that students take four years in all core subject areas including world language. We encourage all students to explore a rich array of electives and fields of study.

Credit Distribution, Additional Information

1. The Science requirement must include:
 - a. Life Science
 - b. Physical Science
 - c. At least one Additional Science

College bound students are encouraged to take either physical science or chemistry after grade 9. Double courses in science are allowed, e.g. to prepare for a college major in engineering, pre-med, research biology, etc.

2. The Social Studies requirement must include:
 - a. World History
 - b. U.S. History I
 - c. U.S. History II/AP U.S. History

3. The Humanities/Arts requirement can be met by any of the courses from one or more of the following departments:
 - a. Art
 - b. World Language
 - c. Music
 - d. Other –business, film studies, textile arts, culinary arts, etc.

The Health/Wellness requirement must include:

- a. 1 Semester Health A (recommended for grade 9)
- b. 1 Semester Health B (recommended for grade 10)
- c. 2 Semesters Wellness (recommended for grade 9 or 10)
- d. 2 Semesters Wellness (recommended for grade 11 or 12)

POLICY ON EARLY GRADUATION REQUIREMENTS

Students who complete graduation requirements by the end of the first semester of their senior year may be exempt from attending classes at Greenfield High School during the second semester if they:

Notify guidance by May of their junior year that they intend to graduate early and the student completes the Early Graduation Contract form.

ENG200 ENGLISH 10
Full Year Course Grade 10 5.00 Credits
Independent summer reading will be assigned. Students will need to read two books from the summer reading list.

Students will write a five-paragraph essay, which consists of a short introduction, three fairly lengthy body paragraphs, and a conclusion. A minimum number of five essays, with revisions, are required. Students will read literature from around the world.

ENG203 ADVANCED ENGLISH 10
Full Year Course Grade 10 5.00 Credits
• Students who sign up for this course may do so only with permission of the GHS English Department.
• Independent summer reading will be assigned. Students will need to read two books from the summer reading list.

The reading will be chosen by the English Department and integrated into the sophomore course in September. The literature will be selected from prose and poetry from around the world. Students will study and analyze writing and reading in a variety of literary genres.

ENG528 TECHNICAL WRITING/COMMUNICATIONS
Semester Grade 11-12 2.50 Credits
For students seeking a college degree in the sciences, this course will offer them a foundation for writing that is neither literary nor creative. The emphasis will be on writing and reading technical manuals, research documents, and business correspondence.

ENG529 COMPOSITION FOR COLLEGE
Semester Course Satisfies a Grade 11 or 12 English Requirement 2.50 Credits
This course will replicate the workshop format of many college writing courses. Students will work to develop good writing habits including: brainstorming, outlining, peer editing, and revision. All written work will be revised several times. Consideration of purpose, tone, diction, and appropriate grammatical concerns will be addressed as a part of the revision process.

ENG305 AMERICAN LITERATURE
Semester Course Satisfies a Grade 11 or 12 English Requirement 2.50 Credits
This course will focus on the uniquely American writers from Jack London to McCarthy. Students will read and compare various important American authors, writing after 1900, connecting the themes presented with the important historical context surrounding the texts. Frequent writing about and in response to the literature will be assigned.

ENG533 AMERICAN AUTHORS
Semester Course Satisfies a Grade 11 or 12 English Requirement 2.50 Credits
This course will focus on the uniquely American writer Hawthorne to Chopin. Students will read and compare various important American 18th and 19th century authors while connecting the themes presented with the important historical context surrounding the texts. Frequent writing about and in response to the literature will be assigned.

ENG534 SHORT FICTION

Semester Course Satisfies a Grade 11 or 12 English Requirement

2.50 Credits

This course will focus on the explosion of popularity of short stories and novellas. Students will read short stories, novels and plays, study literary analysis and theory, and explore the relationship between fiction and reality. Frequent writing about and in response to the literature will be assigned.

ENG535 MASTERPIECES OF WORLD LITERATURE

Semester Course Satisfies a Grade 11 or 12 English Requirement

2.50 Credits

Students will learn about the seminal works of non-American literature. The emphasis will be on older works which are essential to the study of humanities at the college level. Frequent writing about and in response to the literature will be assigned.

ENG536 THEATER OF THE WESTERN WORLD

Semester Course Satisfies a Grade 11 or 12 English Requirement

2.50 Credits

This course appeals to the student wishing to explore drama in all avenues. While the staple of the course will be reading dramatic works from Miller, Hellman, ancient Greeks, and even Shakespeare tragedies, students will also explore acting out scenes in class, reviewing the business of auditions and rehearsals, evaluating live theater productions on film and in person, and creating playbills.

In addition, students enrolled in this class will take part in writing, producing, and directing a live performance of a class-written or classical dramatic work.

ENG303 ADVANCED PLACEMENT (AP) ENGLISH 11 – LANGUAGE

Full Year Course Grade 11

5.00 Credits

- **Students who sign up for this course may do so only with permission of the GHS English Department.**
- **Students taking this course are required to read two major literary works over the summer.**

The readings will be chosen by the English Department and integrated into the junior course in September.

- **Two essays will be turned in to the instructor on the first day of class.**

Emphasis on the course will be preparation for passing to the “Advanced Placement Language and Composition” exam given in May. Students will study a variety of classic works of literature chosen by the teacher and recommended by the AP Committee. Frequent writing and careful analytical reading will provide preparation for success on both the AP and SAT exams. AP exam is required.

ENG410 ADVANCED PLACEMENT (AP) ENGLISH 12-LITERATURE

Full Year Course Grade 12

5.00 Credits

- **Students who sign up for this course may do so only with the permission of the GHS English Department.**
- **Students taking this course are required to read two major literary works over the summer.**
- **The readings will be chosen by the English Department and integrated into the senior course in September.**

This course will help students prepare for the English Literature AP exam given in May. Literary work-studies in the course will be chosen by the teacher from a list recommended by the AP Committee. There will be frequent writing exercises based on the types of writing responses required on the AP exam. AP exam is required.

ENG538 MODERN LITERATURE

Semester Course Satisfies a Grade 11 or 12 English Requirement

2.50 Credits

The emphasis will be on modern works which are essential to the study of humanities at the college level. In addition, students will explore issues of cultural literacy, careers and current events, study literary analysis and theory. Frequent writing about and in response to the literature will be assigned.

ENG520 CREATIVE WRITING

Semester Course Grades 9-12

2.50 Credits

This course is a writing elective for students who have a wide range of abilities and interests. It will cover all phases of creative writing from prewriting to drafting to editing and publishing. Students will explore the creative process by choosing their own topics and types of writing, trying out new techniques and skills, and reflecting on what does and doesn't work in their own writing.

In addition, exercises designed to help students develop their craft will be provided, stories, poems and plays by established writers will be read and analyzed for models, and the lives of established writers will be studied in order to gain a deeper understanding of the human desire to create literature

Presentations and discussions of student work will also be part of the course. Students will be responsible for creating a portfolio of their work in various genres during the course. Portfolio will consist of approximately 20 pages of original poetry, fiction, essay, drama, or screenplay taken from students' writing journals. Students should have worked through a suitable number of drafts of each portfolio piece so as to achieve publishable quality.

ENG523 SHAKESPEARE'S COMEDIES

Semester Course Satisfies a Grade 11 or 12 English Requirement

2.50 Credit

This course appeals to the student wishing to explore Shakespeare's comedies. Works that will be covered include *A Midsummer Night's Dream*, *Twelfth Night*, and *The Tempest*. Students will also explore the life and times of Shakespeare.

ENG537 ISSUES/IDEAS

Semester Course Satisfies a Grade 11 or 12 English Requirement

2.50 Credits

This course appeals to the student wishing to explore current issues by analyzing the use of Argument and Rhetoric in modern editorials, essays, documentaries, and other media. Students will frequently be asked to engage subjects both in class discussion and in frequent written assignments.

ENG513 JOURNALISM - Intro to Journalism

Semester Course Grades 9-12

2.50 Credits

This introductory course focuses on the history and responsibilities of journalism in various media, concentrating on print journalism. The student will learn the basics of news, editorial, feature, sports writing, interviewing, and proofreading. This is not a creative writing course.

ENG516 FILM STUDIES

Semester Course Grades 10-12

2.50 Credits

This course will introduce students to some of the major issues in film studies, including film analysis and approaches to film history and theory. In so doing, the course will consider questions of aesthetics, technology, politics, and even philosophy, as they play out in film and film studies.

Although we will not shy away from the technical aspects of film production or resist situating movies in their historical context, our ultimate goal is to learn something about the construction of movies and the role cinema plays in relating individuals to the values and assumptions of their culture. As an English elective, Film Studies aims to improve your written, spoken and analytical skills. In other words, you will discuss, analyze and write about film. You will take weekly quizzes on the films under discussion. These quizzes will also contain questions on lecture notes and on the assigned reading. You will write a total of four two-page film reviews.

ENG453 SAT PREPARATION

Semester Course Grades 11-12

2.50 Credits

This course will highlight the skills necessary for success in college as well as test specific instruction. This course will feature practice tests and various test strategies to ensure students the best chance for success on the SAT.

ENG500 CRITICAL THINKING THROUGH CHESS

Semester Elective Course Grades 9-12

2.50 Credits

The course will introduce beginners to the rules and tactics of Chess. Once these basic skills are mastered, critical thinking problems will be the focus of the course. Ancillary benefits include improved: concentration, patience, problem solving, and consideration of spatial relationships. This course cannot be repeated and priority is given to Upperclassmen. Chess is an excellent way to practice and improve one's critical thinking skills in an enjoyable and competitive arena.

EXPANSION OPPORTUNITIES:

A Sampling of English Courses offered through our collaborative with Greenfield Community College in our Dual Enrollment and Early Transitional Program:

College Writing Strategies	Modern Novel
College Reading Strategies	Survey of Children's Literature
English Composition	Modern Poetry
Exploring Literature and Creative Writing	Women in Literature I
Gothic Literature	Women in Literature II
Graphic Novel	American Literature in the Valley
Ethnic Literature	The Short Story
Survey of Latin American Literature	Modern Novel

Courses available through our on line course offerings2010/2011

101 Ways to Write a Short Story	Contemporary Irish Literature
Academic Writing	Creative Writing
AP English Language and Composition	Cultural Identity through Literature
Around the World in 80 Days	Fantasy and Science Fiction Short Stories
AP English Literature and Composition	Film and Literature: the European Experience
Blogs, Wikis, and Web Tools: Research in a Digital Age	Contemporary Irish Literature

Self-Designed Independent Research Opportunities are available for students on an individual basis with administrative approval.

MAT451 ADVANCED PRE-CALCULUS

Full Year Course

Grades 10-12

5.00 Credits

Prerequisite: 87 or better in Algebra 2 and/or recommendation of the Math Department

This course is taught at an accelerated pace and is intended for students with a strong background in mathematics. It covers all Pre-Calculus topics, with additional enrichment topics to better prepare students for Advanced Placement Calculus. A TI-83 or TI-84 graphing calculator is required.

MAT500 ADVANCED PLACEMENT (AP) CALCULUS

Full Year Course

Grade 11-12

5.00 Credits

Prerequisite: 83 or better in Advanced Pre-Calculus, or Teacher Recommendation

This course develops the student's understanding of calculus and provides experience with its methods and applications. The course emphasizes a multi-representational approach to Calculus with results and problems being expressed geometrically, numerically, analytically, and verbally. Topics include; 1) functions, graphs, and limits, 2) derivatives, 3) integrals, and 4) slope fields. Technology is used to explore, to confirm work, and to assist in interpreting results. Students registered for AP Calculus will be required to complete a summer assignment the summer prior to taking the class. Students registered for AP Calculus must take the AP exam in May. A TI-83, TI-84, or TI-89 graphing calculator (recommended by The College Board) is required.

MAT501 ADVANCED PLACEMENT (AP) STATISTICS

Full Year Course

Grades 11-12

5.00 Credits

Prerequisite: 73 or better in Algebra 2, or Teacher Recommendation

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Students registered for AP Calculus must take the AP exam in May. A TI-83, TI-84, or TI-89 graphing calculator (recommended by The College Board) is required.

MAT310 APPLIED MATH

Semester Course

Grades 11-12

5.00 Credits

Prerequisite: Successful completion of 2 full-year math courses

This course is designed to introduce students to several applications of mathematics as integrated in the real world. Topics of study may include creating scale models, game theory, survey techniques, data analysis, statistics, probability, and interdisciplinary units relating to science and social studies. The concepts will be explored through group projects, individual assignments, and service learning opportunities.

MAT325 FINANCIAL PLANNING

Semester Course

Grades 11-12

2.50 Credits

This course is based on a curriculum designed by the National Endowment for Financial Education. Its purpose is to alert, inform, and educate high school students about sound money management skills and the financial planning process. Topics of study include an overview of financial planning, career options, budgets, saving and investing, credit, and insurance.

BUS102 ACCOUNTING 1-S1

Semester Course

Grades 10-12

2.50 Credits

This introductory course will give students a thorough background in basic accounting procedures used for business or personal use. The accounting procedures presented will also serve as a sound background for employment in office jobs and preparation for studying business courses in college. Because the complete accounting cycle is covered for both proprietorships and partnerships, it is easy to see how each employee's job fits into the cycle for a business, an important qualification for employers.

BUS240 ACCOUNTING 2-S2

Semester Course

Grades 10-12

2.50 Credits

Prerequisite: Successful completion of Accounting 1

This course expands on topics learned in Accounting 1 while adding new topics about management accounting, cost accounting, not-for profit accounting, and financial analysis. The study of Accounting 2 helps qualify students for jobs and careers at higher levels than a one-year of study would allow. It is also an excellent background and preparation of college business majors. Research has proven that students who have successfully completed two years of high school accounting are more successful in their first year of college accounting than students without that background. In addition, the cost, budgeting, and financial analysis topics are useful tools for the new entrepreneur.

BUS404 ENTREPRENEURIAL BUSINESS

Semester Course

Grades 9-12

2.5 Credits

This interactive, hands-on course provides students with an opportunity to explore the world of business and to develop entrepreneurial skills. The students will be provided all the tools needed to become a successful entrepreneur through the development of a personalized business plan. Some of the skills the students will develop throughout the course include: leadership, organizations, critical thinking, problem solving, decision-making, and oral and written communication skills. Technological resources will be used to augment the learning. The skills and lessons learned are relevant for all students, not just those looking to study business in college.

EXPANSION OPPORTUNITIES:

A Sampling of Math Courses offered through our collaborative with Greenfield Community College in our Dual Enrollment and Early Transitional Program:

Basic Mathematic Skills
College Algebra

Mathematical Problem Solving
Mathematics for Early Childhood and
Education

Introduction to Statistics

Courses available through our on line course offerings2010/2011

How to Use Math in the Real World
Introduction to Statistics

Math You Can Use in College
Mathematical Reasoning and Logic

Self-Designed Independent Research Opportunities are available for students on an individual basis with administrative approval.

MUSIC STUDIES

MUS450 BAND A 1st SEMESTER

MUS451 BAND B 2nd SEMESTER

Semester Course Grades 9-12 2.50 Credits

The Band performs at football games, parades, concerts, and clinics. Among the objectives is the understanding of traditional harmony, harmonic progression, the role of rhythm, and styles of music performed by bands. Socially, students are expected to relate their efforts to the success of the group and to gain an understanding of how their participation in a large group contributes to the creation of an artistic performance. Section rehearsals and extra practices are mandatory to insure the success of the group. Attendance at public and school performances during the course of the year is expected.

Band is a full year course, offered in semesters to accommodate scheduling.

Socially, students are expected to relate their efforts to the success of the group as a whole and to gain an understanding of how their individual efforts in a large group contribute to the creation of an artistic performance.

MUS130 CHORUS 1st SEMESTER

MUS131 CHORUS 2nd SEMESTER

Semester Courses Grades 9-12 2.50 Credits

Chorus is offered to all students who have a desire to discover more about themselves through singing. Students who enroll in chorus are not expected to know their voices, since the course offers an opportunity to work with methods and techniques of improving the vocal sound. Emphasis will be placed on the highest quality vocal ensemble music attainable by the given combination of students. Attendance at public and school performances during the course of the year is expected. Chorus is a full year course, offered in semesters to accommodate scheduling.

Socially, students are expected to relate their efforts to the success of the group as a whole and to gain an understanding of how their individual efforts in a large group contribute to the creation of an artistic performance.

MUS155 MUSIC AS A LANGUAGE

Semester Courses Grades 10-12 2.50 Credits

This course covers the first steps in musical notation, harmony, and composition. It includes early music notation systems. Students will explore different instruments and how music for voice and each instrument is written.

MUS501 INSTRUMENTAL ENSEMBLE-JAZZ BAND

Semester Courses Grades 2.50 Credits

Prerequisite: Previous instrumental musical experience necessary

This course is designed to give the experienced instrumentalist the opportunity to play American jazz, blues, reggae, pop, and classic rock in a traditional jazz ensemble setting. This course will lead the instrumentalist to an understanding of contemporary harmony, orchestration and rhythmic content. All brass and woodwind players would be required to take part in both the marching and concert bands. Guitar, bass guitar and drum set players must have director's approval in order to enroll in class. Opportunities for improvisation are available for the more experienced musician. This is a performance-based class with numerous outside commitments and performances. Attendance at all after school rehearsals, dress rehearsals and concerts is mandatory.

SCIENCE STUDIES

Massachusetts state college and university standards require at least three (3) years of science. The GHS Science Department requires (3) years of science for graduation, and strongly recommends students take four (4) years of science to be competitive in both college and the workplace.

Two Required Courses for freshmen and sophomores

- 9th Grade Science Requirement –Physics or Advanced Physics
- 10th Grade Science Requirement – Biology or Advanced Biology

Courses for juniors and seniors

Advanced Chemistry

Chemistry

Physics II

Aquaponics

AP Environmental Science

Sustainable Energy Systems

SCI300 PHYSICS

Full Year Course Grade 9

5.00 Credits

Physics is a required course for all freshmen. Student will take the Introductory Physics MCAS in the spring to satisfy graduation requirements. The course is presented in familiar English and includes lectures, discussions, and laboratory investigations. Students will learn concepts that connect readily to the real world and further science study including: kinematics, dynamics, conservation laws, thermodynamics, waves, and electricity and magnetism. Students will emerge with a refined understanding and appreciation of how the world works and some of nature's basic rules.

SCI310 ADVANCED PHYSICS

Full Year Course Grade 9

5.00 Credits

This college preparatory course is designed for freshmen who wish to further their understanding in the fields of science and mathematics. Students enrolled in this section will enjoy the benefit of a faster paced class along topic extensions that range from real world applications to mathematic theorems. The format of the class and topics covered are listed in the Physics description above.

SCI200 BIOLOGY

Full Year Course Grade 10

5.00 Credits

This course, or the Advanced Biology course, is required for all sophomores. This course is divided into six major modules including, basic concepts of the chemistry of life, cellular biology, genetics, evolution and animal body systems. Using a hands-on laboratory-based approach to the life sciences, students begin with various investigations to set a foundation of good scientific research and experimentation. The first semester will involve an overview of chemistry, ecology, and cytology, the second semester continues with in-depth studies that relate to personal well being which includes genetics and human anatomy.

Students enrolled in this course and have not successfully completed the Massachusetts State Competency test will take the biology MCAS test in the spring to meet graduation requirements.

SCI210 ADVANCED BIOLOGY

Full Year Course Grade 10

5.00 Credits

This accelerated course is designed for all sophomores preparing for science as a major in college. This course is divided into six major modules including, basic concepts of the chemistry of life, cellular biology, genetics, evolution and animal body systems. Using a hands-on laboratory-based approach to the life sciences, students begin with various investigations to set a foundation of good scientific research and experimentation. The first semester will involve an overview of chemistry, ecology, and cytology, the second semester continues with in-depth studies that relate to personal well being which includes genetics and human anatomy.

An Independent Research Project is required of students enrolled in Advanced Biology

SCI405 CHEMISTRY

Full Year Course Grade 11-12

5.00 Credits

This course provides an introduction to fundamentals of chemistry and the scientific method. Conceptual understanding is emphasized over mathematical problem solving. Students will learn basic principles of atomic and molecular structure, physical and chemical properties of elements, chemical bonding, energy, electrochemistry, acid-based reactions, reaction rates, and the chemistry of carbon. Real world examples provide a narrative that helps students learn to apply knowledge of chemistry to everyday life, and make broad connections between specific concepts.

SCI410 ADVANCED CHEMISTRY

Full Year Course Grades 11-12

5.00 Credits

This is a college preparatory course that provides an introduction to fundamentals of chemistry and the scientific method. Conceptual understanding and mathematical problem solving are emphasized equally. Students will learn chemical principles including atomic and molecular structure, physical and chemical properties of elements, periodicity, chemical bonding and reaction stoichiometry, oxidation-reduction reactions, solutions, electrolytes, acids and bases, and the chemistry of carbon. Real world examples provide a narrative that helps students learn to apply knowledge of chemistry to everyday life, and make broad connections between specific concepts. It is recommended for students interested in pursuing a higher degree in science, in preparation for a career in science and technology. An independent project is a course requirement. Students taking advanced chemistry should have a strong educational background in math, reading, and written expression.

SCI806 AQUAPONICS

Full Year Course Grades 11-12

5.00 Credits

Prerequisite: none.

This elective will introduce students to the field of Aquaculture, Freshwater and marine Biology. Students will learn to synthesize information relating to the successful rearing of aquatic organisms under controlled conditions. Topics include: Hydroponics, reef aquaculture. Finfish aquaculture, indoor rearing techniques or regional aquaculture organisms, water quality management of dissolve oxygen, pH and ammonia, and a focus on the nutrition of specialized organisms.

Initially, students will take responsibility for the care and maintenance of each habitat in the research center. During the training students will research current investigations related to each habitat. Each student will be expected to identify a focus develop and independent research project culminating in a collection of data and presentations of findings for the GHS science symposium. Current projects include rearing seahorses, rotifers, brine shrimp, salmon and tropical fish. Ecological studies include investigations into the physical and biological parameters of estuaries, coral reef and anemone tanks.

SCI676 ADVANCED PLACEMENT (AP) ENVIRONMENTAL SCIENCE

Prerequisite: completion of 2 years of a laboratory science, one year of life science and one year of physical science

Full Year Course Grades 11-12

5.00 Credits

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human made to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs or themes that cut across the many topics included in the study of environmental science.

SCI302 PHYSICS II

Full Year Course Grade 11-12

5.00 Credits

Pre-requisite: Students must have taken Physics and currently enrolled in or have taken Geometry and Algebra 2

This rigorous, mathematic intensive college preparatory course is designed for the student who has taken Physics and wishes to further their understanding of the subject. This course will leave even the most fitting students contemplating and thinking long after class has ended! New topics for discussion include: statics, 2-dimensional kinematics, fluid statics, fluid dynamics, gas laws, ac circuits, and modern physics. The format of the class will include lectures, discussions, research, presentations, and hands on explorations. Though the math and topics may become more complex, this course continues with the major threads learned in Physics: understanding relationships before calculating, performing valid scientific experiments, and making science connect to society.

SCI690 SUSTAINABLE ENERGY SYSTEMS

Full Year Course

Grades 11-12

5.00 Credits

Prerequisite: Physics. Enrollment in Chemistry is recommended but not required

This science and technology elective will provide students with a comprehensive overview of the relationships between society, energy, and the environment, with a focus on energy efficiency and renewable energy at the residential and community scales. Students will learn the basic physics of energy in the context of Earth's energy past, present, and future. The primary learning objective is to gain a scientifically-based understanding of energy sources, environmental challenges, and technologies that will allow students to grasp our energy future from a realistic perspective. Residential energy efficiency strategies will address the building shell, space heating, air conditioning, lighting, and hot water. Renewable energy technologies will include solar, wind, biomass, and hydro-power. Through collaborative discussion and hands-on, project based data collection, students will learn to appreciate the engineering challenges, analyze numerical data, estimate costs/benefits, and apply mathematical methods in their own lives in the ongoing energy debate. This course will appeal to students interested in exploring career options in the broad and expanding energy professions.

SCI800 WEATHER, CLIMATE AND METEOROLOGY

Semester Course

Grades 11-12

2.50 Credits

Do you understand these terms? There are huge differences in meaning. If interested, and if you are an upper class student with a "keen" interest in weather and the internet, this could be the course for you. With the use of computer models from various internet weather sites, you will learn how to predict the weather and answer such questions as; will it rain, snow, sleet or hail or why is it so hot in the desert and so cold in the mountains?

EXPANSION OPPORTUNITIES:

A Sampling of Science Courses offered through our collaborative with Greenfield Community College in our Dual Enrollment and Early Transitional Program:

Physical Geology	Human Systems
Historical Geology	Introduction to Environmental Science
Valley Geology	Freshwater Ecology
Introduction to Oceanology	Introductory Horticulture
Survey of Oceanography	Pathology
Zoology	Human Anatomy and Physiology
Botany	Microbiology
Ecology	Human Path physiology
Natural History	Interpretation of Diagnostic Laboratory Tests

Courses available through our on line course offerings2010/2011

Advanced Topics in Chemistry	Basic Chemistry Summer Offering
Animal Behavior and Zoology	Bioethics Symposium
AP Biology	Biotechnology
AP Physics	Chemicals of Civilization
Astronomy Basics	

Self-Designed Independent Research Opportunities are available for students on an individual basis with administrative approval.

HISTORY/SOCIAL SCIENCES STUDIES

SST199 WORLD HISTORY

Full Year Course Grade 9

5.00 Credits

This 9th grade required course begins with the Enlightenment period and the American Revolution and goes through the attack on 9/11 and possibly beyond.

Students study at length the Age of Revolution (American and French) and the Russian Revolution with emphasis on the similarities and the differences that exist among the three events.

In addition, the Industrial Revolution is studied in depth with heavy emphasis on its development and its many consequences and how this changed the world. Students study both the positive and negative impact of the Industrial Revolution with regard to labor, the environment, the economy in industrial and developing nations.

Students will also examine the causes and effects of the rise of dictatorships in Europe and Asia, the economic collapse in the 1920 and 1930s, World War I, World War II, and the Cold War – including Korea and Vietnam. Heavy emphasis is placed on both World War I, World War II using a considerable multi-media approach and research in the lab.

SST316 U.S. HISTORY I

Full Year Course Grade 10

5.00 Credits

Colonial period through Reconstruction

Students examine the historical and intellectual origins of the United States during the Revolutionary and Constitutional eras. Students study the basic framework of American democracy and the basic concepts of American government, as well as America's westward expansion, the establishment of political parties, economic and social change, sectional conflict, the Civil War, and Reconstruction. Students will engage in primary document analysis, research and essay writing and critical thinking skills.

SST314 PRE-ADVANCED PLACEMENT U.S. HISTORY I

Full Year Course Grade 10

5.00 Credits

Students electing to enroll in Pre-advanced U.S. History I will engage in more rigorous document analysis, primary document analysis, essay writing, and critical and evaluative thinking skills.

Pre-advanced U.S. History I is required for students who wish to enroll in either Advanced Placement U.S. History or Advanced Placement European History.

SST317 U. S. HISTORY II

Full Year Course Grade 11

5.00 Credits

Industrial Revolution to the present

In U. S. History II, students analyze the causes and consequences of the Industrial Revolution and America's growing role in international relations. Students study the goals and accomplishments of the Progressive movement and the New Deal. Students also learn about the various factors that led to the United States' entry into World War I and World War II as well as the consequences of World War II for American life. Finally, students study the causes and course of the Cold War, important economic and political changes during the Cold War, such as the Civil Rights movement, and recent events and trends that have shaped modern-day America.

SST734 LAW

Semester Course

Grades 9-12

2.50 Credits

This course is designed to introduce students to the legal system in the United States. An emphasis would be placed on knowing your rights. Area courts would be visited which might include field trips to District, Superior, and Housing Court. Law officials would be guest speakers (lawyers, judges, police, etc.). The course would cover the history of law in America, the constitution, the legislative process, judicial system and the penal system. Students would be introduced to civil and criminal law.

The course is designed to provide knowledge and practical application. The entire foundation of American society is built upon the legal system and this course would provide knowledge about the law from misdemeanors to felonies, from District Court to the Supreme Court.

SST724 SOCIAL JUSTICE

Semester Course

Grades 9-12

2.50 Credits

Students will have the opportunity to study how groups of people are/have been treated. Topics covered in class include but are not limited to: What is social justice? Looking at our behaviors? What can "I" do to make a difference? Historical accounts of different groups of people. Current issues groups of people face. Global issues of social justice.

Grading for this course will be determined by participation, group and individual projects, current event reports, and reflection papers. There is a strong emphasis on community service learning and students will be expected to plan, participate and reflect on CSL projects held in our school and in our community.

SST735 FEMALE IN THE 21ST CENTURY

Semester Course

Grades 10-12

2.50 Credits

This course covers milestones in women's history, their roles as history-shapers, the challenges they have faced, and the progress they have achieved. It highlights the lives and work of an extremely diverse group of local women whom students will interview, in class, throughout the semester. We will also participate in an outdoor skills day run by Greenfield Community College's Outdoor Leadership Program.

SST785 ETHNIC STUDIES

Semester Course

Grades 10-12

2.50 Credits

The course will concentrate on immigration into Colonial America, the massive migration of Europeans into the United States during the late 19th century and early 20th century, the migration of Asians and Latin Americans into the United States during the 20th century and the large number of illegal immigrants entering the country in recent years and today and its many implications.

The course will examine the push and pull factors that resulted in the many ethnic groups that currently make up the population of the United States, their cultural traits including language and religion and, how each group has assimilated, or not assimilated into American society. Of particular interest will be their many contributions to our country.

EXPANSION OPPORTUNITIES:

A Sampling of History Courses offered through our collaborative with Greenfield Community College in our Dual Enrollment and Early Transitional Program:

Women in American History

Western Civilization to 1500 A.D.

History of the American People

American History of the Valley

China and Japan: A Cultural History

The Pacific Century

History of African-American Peoples

Latin American History

Introduction to Modern Africa

Courses available through our on line course offerings2010/2011

American Foreign Policy

American Multiculturalism

Government and Politics

Art and Ideas: The Best of Western Culture

Constitutional Law

Criminology

Self-Designed Independent Research Opportunities are available for students on an individual basis with administrative approval.

HEALTH/WELLNESS EDUCATION

Wellness Education is a required part of the total curriculum at Greenfield High School. All students must successfully complete four years of Wellness Education and two semesters of Health to graduate.

HEA101 HEALTH EDUCATION A

Semester Course Grade 9 2.50 Credits

Health education meets everyday for one semester course and is a graduation requirement at Greenfield High School. Health Education 100 follows the new State Frameworks for Health Education in Massachusetts. Units of instruction include: Self responsibility for Wellness, Basic Human Anatomy/Physiology, Violence Prevention, First Aid and Safety, Nutrition and Fitness, Communicable Diseases including HIV/Aids, Cardiovascular Disease and Cancer, Chronic Health Problems.

HPE618 WELLNESS 9/10

Semester Course Grades 9-10 2.50 Credits

Wellness 9/10 will include a variety of team sports, individual and dual sports as well as educating students in a physical fitness program which will carry on into adult life.

HEA105 HEALTH EDUCATION B

Semester Course Grade 10 2.50 Credits

Health education meets every day for one semester course and is a graduation requirement at Greenfield High School. Health Education 200 follows the new State Frameworks for Health Education in Massachusetts. Units of instruction include: Anatomy/Physiology Review, Mental Health/ Illness, Interpersonal/Societal Relationships, Drugs, Alcohol, and Tobacco Issues, Reproductive Health and Sexuality, End of Life Cycle, Personal Safety and CPR, Community and Global Health Issues.

HPE820 WELLNESS 11/12

Semester Course Grades 11-12 2.50 Credits

Wellness 11/12 will include a variety of team sports, individual and dual sports as well as educating students in a physical fitness program which will carry on into adult life.

HPE635 WEIGHT TRAINING

Semester Course Grades 9-12 2.50 Credits

Weight Training will include a variety of strength, speed, cardio respiratory fitness and flexibility. The class will also teach proper spotting and lifting techniques. The students will be in the Bigger, Faster, Stronger fitness program which will carry on as a lifetime skill.

HPE640 YOGA AND PILATES

Semester Course Grades 9-12 2.50 Credits

This course explores Yoga, an ancient system of breathing practices, physical exercises and postures, and meditation intended to integrate the practitioner's body, mind, and spirit. Pilates is an exercise regimen that elongates and strengthens the muscles. By correcting posture, Pilates can strengthen your body against future injuries.

WLA400 FRENCH 4

Full Year Course Grades 11-12

5.00 Credits

Prerequisite: 78 or better in French 3

French 4 is designed for advanced students who wish to refine and expand their communication skills in French. Students will continue their study of the language using a variety of instructional materials, which may include advertisements, magazine and newspaper articles, essays, poems, short stories and short novels, as well as audio and video materials. Students will learn thematic vocabulary and linguistic structures in context.

WLA500 ADVANCED PLACEMENT (AP) FRENCH 5

Full Year Course Grade 12

5.00 Credits

Prerequisite: 78 or better in French 4

The goal of AP French 5 is to prepare students for the Advanced Placement French Language Exam given in May. The course provides a variety of opportunities to help students further develop conversational ability and writing proficiency in French and to learn more about francophone cultures. Class activities will be based on films and on authentic materials such as short stories, essays, poems, and articles. Students will study advanced linguistic structures and idiomatic vocabulary. Students will take part in discussions, make oral presentations and write a weekly journal in French. The AP exam is required.

WLA101 SPANISH 1

Full Year Course Grades 9-12

5.00 Credits

In this course, students will begin their study of the Spanish language and the cultures, history, and geography of the Spanish-speaking world. Students will learn basic conversational patterns for use in everyday situations. The use of audio and video materials will help strengthen listening skills and promote conversational ability. Work in the computer lab on the textbook website will supplement reading and writing practice. Spanish 1 students will begin a developmental reading and writing program. By the end of the course they should be able to discuss simple topics such as family and friends, introductions, clothing, school, and favorite activities.

WLA201 SPANISH 2

Full Year Course Grades 9-12

5.00 Credits

Prerequisite: 72 or better in Spanish I

This course follows the same format as Spanish 1. Speaking ability, listening comprehension and pronunciation skills are reinforced through the use of audio and video materials, daily class participation and small group work. Students are expected to respond in Spanish whenever possible, and to build and expand conversational skills. Students will continue their work in developmental reading and writing. The video program reinforces an understanding of the language, cultures, and geography of the Spanish-speaking world.

WLA301 SPANISH 3
Full Year Grades 10-12 5.00 Credits
Prerequisite: 75 or better in Spanish 2

Spanish 3 is designed for the advanced foreign language student who wishes to improve and build upon those skills learned during the first two years of language study. Students will participate in situational conversations to improve their communicative skills in the present, the past, and the future. They will continue to improve their writing ability through a variety of assignments. The use of audio and video programs will reinforce pronunciation and listening skills. Students will continue to demonstrate an understanding of Hispanic culture through comparison with their own.

WLA401 SPANISH 4
Full Year Grades 11-12 5.00 Credits
Prerequisite: 78 or better in Spanish 3

Spanish 4 is designed for advanced students who wish to refine and expand their communication skills in Spanish. Students will continue their study of the language using a variety of instructional materials, which may include advertisements, magazine and newspaper articles, essays, short stories and short novels, as well as audio and video materials. Students will learn thematic vocabulary and linguistic structures in context.

WLA501 ADVANCED PLACEMENT (AP) SPANISH 5
Full Year Grade 12 5.00 Credits
Prerequisite: 78 or better in Spanish 4

The Advanced Placement Spanish course covers the equivalent of a third year college course in Spanish. The course is conducted almost entirely in Spanish. Students are expected to try to use Spanish exclusively in the classroom. The course stresses oral skills, composition and grammar, and the integration of all four communication skills (listening, speaking, reading and writing) with the use of authentic materials. Practice in the four modalities will take a variety of forms, but will include practice with actual AP exams, materials designed to provide practice with the AP format, and frequent use of the AP grading rubrics to familiarize students with AP expectations. **The AP exam is required.**

WLA605 CONVERSATIONAL GERMAN
Full Year Grade 9-12 5.00 Credits

Basic German is an introductory course on the German language. The course is designed to familiarize students with the German language and culture with emphasis on everyday conversation.

WLA606 CONVERSATIONAL ROMANIAN AND MOLDOVIAN
Semester Course Grades 9-12 2.50 Credits

Basic Romanian is an introductory course on the Romanian language. The course is designed to familiarize students with the Romanian language and culture with emphasis on everyday conversation.

GUIDANCE DEPARTMENT

BUS402 SCHOOL-TO-CAREER A

Semester Course Grade 12

2.50 Credits

The School-to-Career Program is for the purpose of gaining work experience, acquiring training, building skills, and assisting students with career direction. This experience is an asset to students regarding future work experiences and can be added to resumes and portfolios. The program is aimed at students who intend to enter the workforce immediately upon graduation as well as students who intend to pursue further training and education. In short, School-to-Career enables students to participate in a performance-based education and training program that helps prepare them for high-skill, high-wage careers and increases their opportunities for post-secondary education.

BUS403 SCHOOL-TO-CAREER B

Semester Course Grade 12

2.50 Credits

The School-to-Career Program is for the purpose of gaining work experience, acquiring training, building skills, and assisting students with career direction. This experience is an asset to students regarding future work experiences and can be added to resumes and portfolios. The program is aimed at students who intend to enter the workforce immediately upon graduation as well as students who intend to pursue further training and education. In short, School-to-Career enables students to participate in a performance-based education and training program that helps prepare them for high-skill, high-wage careers and increases their opportunities for post-secondary education.

BUS INDEPENDENT STUDIES

Semester Courses Grades 11 –12

2.50 Credits

Independent Study opportunities are available in every department. Students who have completed a department's sequence of courses and want to work independently at a more advanced level are encouraged to seek out a teacher to supervise them in an independent study. No students will be allowed to sign up for an independent study as a course selection. No teacher will be allowed to take a student for an independent study if a student wants to take the course being offered that period. Students who want an independent study need to see their guidance counselor for an independent study contract.

ENGLISH AS A SECOND LANGUAGE

ELL101 & ELL102 BEGINNING

Semester Course Grades 9-12 Both Courses 5.00 Credits

This course is for students with little or no proficiency in English. Through use of oral presentations, role-plays and functional language activities, students develop listening and speaking skills in English. Students learn to communicate daily personal needs and converse in social situations on familiar topics. Students are introduced to the fundamentals of English grammar.

ELL201 & ELL202 INTERMEDIATE

Semester Course Grades 9-12 Both Courses 5.00 Credits

This course is designed for students who have completed or who are mastering the basic skills for English. Students learn to express their ideas through the writing process beginning with complete sentences, single paragraphs and progressing to multi paragraph compositions. Students learn to edit their own writing, study Basic English grammar, learn about fundamentals of punctuation and learn more spelling patterns.

ELL300 & ELL301 ADVANCED

Semester Course Grades 9-12 Both Courses 5.00 Credits

This class is designed for the more fluent English speaker who has or is almost ready to take regular English courses. Students will read short stories and short novels, practice writing indifferent genres (comparison/contrast; expository; business letter; book and movie review; etc.), and engage in debates on current issues.

LEARNING CENTER

ACA105/S1 & ACA106/S2

ACADEMIC SUPPORT

Semester Course

Grades 9–12

2.50 Credits Per Course

The intent of this special education class is to help students achieve academic success in all of their classes in the general education (GE) curriculum. Students attending this class have been identified as individuals with unique learning style defined by their Individualized Educational Plan (IEP). Participation in this class provides each student with the opportunity to receive individual assistance in an attempt to successfully complete assignments from his/her GE class schedule. This class provides each student with a routine placement where a predictable amount of time is available and is built-in to the student's schedule allowing for structured time to work on assignments during the school day.

INT115/S1 & INT116/S2

DEVELOPMENTAL READING

Semester Course

Grades 9–12

2.50 Credits Per Course

The aim of this course is to accelerate students' competencies in their literacy development. The primary focus will be on the usage and application of decoding and comprehension strategies that enable students to construct meaning from a variety of written texts effectively and efficiently. Assessments will identify areas of literacy strengths and weaknesses for an individualized approach to instruction in the use of semantic, syntactic and grapho-phonemic cues to improve understanding of print. Students will use a variety of fiction and nonfiction texts, in addition to materials from their general academic courses.

INT120/S1 & INT121/S2 DEVELOPMENTAL MATHEMATICS

Semester Course

Grades 9–12

2.50 Credits Per Course

Developmental Mathematics is a special education course intended to help students' strengthen their skills in mathematics as they pertain to each student's Individualized Education Program (IEP). This class allows for the provision of individualized instruction targeted toward students' weaknesses or gaps in math which may result in general increased math achievement.

INT100/S1 & INT101/S2 DEVELOPMENTAL ENGLISH

Semester Course

Grades 9–12

2.50 Credits Per Course

Developmental English is a special education course designed to provide students with the opportunity to improve their language and English skills based on each student's Individualized Education Program (IEP). By using a student's general education assignments and requirements, in addition to focusing on a student's given strengths and weaknesses, this class gives each student the environment to increase his or her general educational progress as well as developing the necessary skills that are fundamental to the learning process.

UNIQUE PROGRAMS

ESSENTIAL SKILLS PROGRAM

This program is designed for students who benefit from a primary focus on the development of life skills. All academic subjects are addressed in the context of authentic life skills. Class activities incorporate practice with personal care, social skills, daily living, communication and vocational exploration. A major goal for all students in the Essential Skills Program is to increase independence. Essential Skills programs are supported by a team of professionals that includes a special educator, paraprofessionals, psychologist, speech pathologist, occupational therapist, physical therapist, and autism specialist. A team meeting is needed to enroll in the program.

INT262/S1 & INT263/S2

Semester Course Grades 9-12

E.S. LIFE SKILLS

2.50 Credits Per Course

INT250/S1 & INT251/S2

Semester Course Grades 9-12

E.S. MATH

2.50 Credits Per Course

INT256/S1 & INT257/S2

Semester Course Grades 9-12

E.S. ENGLISH

2.50 Credits Per Course

INT240

Semester One Grades 9-12

E.S. CURRENT EVENTS

2.50 Credits

INT255/S1 & INT264/S2

Semester Course Grades 9-12

E.S. LIFE SCIENCE

2.50 Credits Per Course

ALTERNATIVE EDUCATION PROGRAM

This project-based and goal-oriented program is designed for students who are at risk of dropping out of high school and offers a safe, positive, and supportive environment which will motivate them to finish high school. Students meet criteria such as course failures, poor relationships with teachers and peers, poor attendance, and others in order to be eligible for the program. Interest surveys, math and reading screenings, goal-setting, and other strategies are used along with an interview process to create an individual plan for each student to achieve success. The components include core academics, internships, community service projects, enrichment activities, and physical/health education. Essential to the program is the smaller teacher-student ratio with mentoring and individual academic attention as a component to maximize learning.

Life Skills/Study Skills

Full Year

Grades 9-12

5.00 Credits

This course comprises of the physical education and health component requirements. In addition, the course provides enrichment activities such as outdoor adventure, cooking, textiles, financial planning, career concepts, social and communication skill development. Academic support and organizational skills are also provided during this course. A therapeutic component is included and essential to address the underlying emotional needs of at-risk students.

Service Learning

Full Year

Grades 9-12

5.00 Credits

This course focuses on internship opportunities for eligible students that allow them to work for local community organizations and develop life skills to help them be productive members of their community. Internship supervisors provide feedback and direction to students in the workplace. Students develop a year-end project based on their internship experience. Collaboration with students and program staff generates community and service learning projects for a hands-on, non-traditional strategy for learning and experiencing civic responsibility.

TRANSITION PROGRAM

This program supports students whose academic and social/emotional needs cannot be met with a full-time schedule of general education classes. Students are enrolled in a supported general education math class, and take the remainder of their courses within the Transition Program, or in a combination of Transition Program and general education classes as appropriate. The program utilizes a daily point system to build student success. Program staff includes a special educator and paraprofessional, and regular access to a psychologist and behavior analyst as needed. A team meeting is needed to enroll in this program.

TRA101/S1 & TRA102/S2

Semester Course Grades 9-12

SOCIAL STUDIES

2.50 Credits Per Course

TRA105/S1 & TRA106/S2

Semester Course Grades 9-12

ENGLISH

2.50 Credits Per Course

TRA905/S1 & TRA906/S2

Semester Course Grades 9-12

LIFE SKILLS

2.50 Credits Per Course

TRA503

Semester Course Grades 9-10

HEALTH

2.50 Credits

TRA907

Semester Course Grades 9-12

NUTRITION AND COOKING

2.50 Credits

TRA171/S1 & TRA175/S2

Semester Course Grades 9-12

SCIENCE

2.50 Credits Per Course

“Your 4 Year Plan”

Semester 1

1.

2.

3.

4.

5.

6.

7.

Grade 9

1.

2.

3.

4.

5.

6.

7.

Semester 2

Semester 1

1.

2.

3.

4.

5.

6.

7.

Grade 9

1.

2.

3.

4.

5.

6.

7.

Semester 2

“Your 4 Year Plan”

Semester 1	Grade 11	Semester 2
1.	1.	
2.	2.	
3.	3.	
4.	4.	
5.	5.	
6.	6.	
7.	7.	

Semester 1	Grade 12	Semester 2
1.	1.	
2.	2.	
3.	3.	
4.	4.	
5.	5.	
6.	6.	
7.	7.	