

PROGRAM OF STUDY

2017-2018



WESTFIELD HIGH SCHOOL

HOME OF THE BOMBERS

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COURSE DESCRIPTIONS

BUSINESS DEPARTMENT

The Business Information Technology Department prepares all students to become independent, productive and contributing members of a business-oriented society. Instruction in current and emerging technology, interpersonal relationships, and business education equips students with the necessary skills and knowledge to pursue careers in today's global marketplace. Emphasis is placed on enabling students to maximize their potential through exploration of various careers. The content area of business provides a foundation for the success of all students, no matter what their ultimate goals in life may be. Courses taken in this department can be applied to Electives or otherwise noted graduation requirement.

BU5700 Financial Literacy ½ Credit
Grades 10-12

Financial Literacy is a graduation requirement. The main focus of this course is to develop, understand and manage personal finances enabling students to make informed decisions concerning their financial affairs in everyday life. Real life topics such as managing finances and budgeting, saving and investing, living independently, earning and reporting income, buying goods and services, using credit, banking and protecting against risk are included in class discussions, projects and highlighted by guest speakers.

BU1000 Accounting 1 1 Credit
Grades 9-12

The entire accounting cycle is covered in Accounting 1. It includes basics in recording transactions and preparing financial reports. Multi-column journals and general and subsidiary ledgers are included in a practice simulation. The completion of Accounting 1 provides an introduction to the accounting field.

Accounting I can also count as a Math Credit

BU5100 Introduction to Business ½ Credit
Grades 9-12

This entry-level course presents an overview of what business encompasses and the impact that current business trends have on our daily lives within the global economy. Topics will include the domestic and international economic system, goods and services on the market economy, the role of students as consumers, problems in small and large businesses and current events in the media. Project-based learning will be used to explore advertising, sales and management, as they relate to business.

BU5200 Entrepreneurship ½ Credit
Grades 9-12

Entrepreneurship focuses on recognizing a business opportunity, starting a business and operating and maintaining that business. This course includes examining the benefits and risks of business ownership. Students prepare a business plan using a personal computer with appropriate software for their own small business, choose an effective marketing mix, make informed business decisions, and assess the economic outcomes of business ownership.

BU5400 Marketing ½ Credit
Grades 10-12

Marketing is designed for students who have a desire to enter careers in marketing, merchandising, or management. This program provides students with the knowledge and skills necessary for entry-level positions in sales and services, retailing, wholesaling, and marketing. Included is instruction on advertising, human relations, product and service technology, operation and management skills. Marketing offers students the opportunity to explore their creative options in this specialized field of business.

BU5500 Advanced Marketing Management 1 Credit
Grade 12

Prerequisite: Successful completion of Marketing, grade of 90 or better.

Advanced Marketing Management students are responsible for providing on-the-job training in the basics of customer service in the school store. In this position, students are afforded an opportunity to expand upon the retail sales experience gained in the Marketing course. They are accountable for the successful operation of a retail establishment, the Westfield High School store.

CAREER EDUCATION DEPARTMENT

The Westfield High School John E. Reed Career Center endeavors to assist all students in the planning of their future through Career development activities. Students will develop academic, employability, and social skills that maximize their future potential.

CR5000 Student Assisting ½ Credit
Grades 11-12

This course is recommended for students interested in gaining work readiness skills. Students will be assigned to a particular department/ person for one period per day for the semester. Students must have approval from their Guidance Counselor.

CR5100 Internship ½ Credit
Grade 12

Prerequisite: Recommendation of Guidance Counselor

The Westfield High School Internship Program offers high school seniors an exciting opportunity to obtain career-related experience in a field that interests them, with direct supervision by the site mentor the College and Career Counselor. This course includes a seminar component, midterm and final evaluation. Students must complete an application prior to the scheduling of this course. Internship placements must align with the students' career goals; therefore a career inventory must be completed before placement along with a resume and cover letter. Students must also have a location and contact person willing to host the student in the internship placement. The program provides for seniors to be released from school during G period to complete their internship and the mandatory ten hours per week required.

CR5200 Work Study ½ Credit
Grade 12

Prerequisite: Recommendation of Guidance Counselor.

This course is a mutual effort between the students, employers, and Westfield High School to provide work opportunities that connect classroom learning with part-time employment in a related career pathway. This course requires that the student be currently employed and actively working through the school week. A seminar component will be included. The student will be evaluated by their site supervisor. Students must provide a written description of the job relating it to their future endeavors/ career goals. This program provides for seniors to be released from school during period G to attend their Work Study and complete their required mandatory hours.

CR5300 Dual Enrollment
Grade 12

Prerequisite: Only courses not offered at WHS are eligible for Dual Enrollment consideration.

Junior and senior students who meet eligibility requirements may take accelerated courses at area colleges and have the opportunity to earn dual credits at both the secondary and college level. Students must receive written permission from the High School Principal to participate (See Student Handbook for more information). Grades for these classes are not included in class rank or GPA.

CR5400 Peer Mentoring ½ Credit
Grades 10-12

Prerequisite: Recommendation of Guidance Counselor

Students will be placed as assistants to various staff and mentors as deemed appropriate. Emphasis is on reliability, honesty, and good work ethics and habits. Duties will include being a peer mentor to an individual student and or a group. Peer mentors are recognized through the Special Education Department and Community Service activities are available.

COMPUTER SCIENCE DEPARTMENT

The mission of the Computer Science Department is to provide students with experiences that contribute to a solid foundation of technology, computer skills, and attitudes on which students can become responsible, fulfilled, self-directed digital citizens.

CS1201 Web Development 1 ½ Credit
Grades 9-12

Students will become familiar with the World Wide Web, understanding etiquette, ethics and responsibility while executing interdisciplinary investigation. The first objective of this course will be to teach the students to use, search and gather information from the Internet effectively. They will evaluate numerous sites for their design set up, information value and presentation. The second objective will be to design a web page starting with storyboards and turning it into a web page which may be posted to the school Internet server. HTML language, CSS style, Java Script and web authoring software will be taught.

CS1202 Web Development 2 ½ Credit
Grades 10-12

Prerequisite: Web Development 1

This course builds upon the fundamentals studied in the Web Page Research and Development course and the application of these skills to state-of-the-art electronic publishing. Students will learn three advanced authoring software applications: Adobe DreamWeaver CC2014, FireWorksCS6, PhotoshopCC2014 and Flash CC20144. This group will assist in additions to the school web site.

CS1301 Multimedia Production 1 ½ Credit
Grades 9-12

This is an introductory course in the study of video, audio and multimedia technology. The student will have hands-on experience in combining effective communication and skillful use of technology as they produce video productions. Projects will be varied with both individual, small teams and the entire class involved and will be related to curriculum topics in their course of study. Students will be involved in the use of digital-video cameras, script writing, directing, set design, graphics, lighting, audio and computer editing.

CS1302 Multimedia Production 2 ½ Credit
Grades 10-12

Prerequisite: Multimedia Production 1

This is a project based course that will build on the skills learned in Multimedia Production 1. Students will explore in depth the details related to all aspects of Video/Audio Design from conception to presentation. The students will learn to select the appropriate tools for their project including recording, camera and editing software. Students will learn new skills that will enhance their ability to achieve more effective presentations that inform, entertain, persuade and preserve history.

CS5100 Intro to Programming ½ Credit
Grades 10-12

Prerequisite: Algebra 1

The focus of the class will be on problem solving as the students learn basic computer programming concepts and are exposed to advanced coverage of topics. Introduction to Programming will be project-based course offering students an

opportunity to work with several programming languages: Visual Basic, HTML/ Java Script, Python and C++. This is a one semester course which can lead to more advanced classes in individual programming language classes (Visual Basic, Java Script and C++).

CS5333 Pre-AP Computer Science-Java 1 Credit
Grades 10-12

Prerequisite: Algebra 1,

This course assumes no prior programming knowledge and is an introductory course in programming and problem solving. Students will learn how to write, compile, and run a Java program. Topics include an introduction to Java syntax, class libraries, graphical user interfaces, input and output, threads, and applet programming using the Java program interface.

CS5200 C++ Programming ½ Credit
Grades 10-12

Prerequisite: Algebra 1

This is a course in the use of the C++ programming language. Proper use of the C++ language requires good structured programming techniques and correct language syntax. These, as well as the fundamentals of programming are taught. Fundamentals to be mastered include the use of variables and strings, math functions, conditional logic, looping and arrays. Students should possess good math, logic and self-directed problem solving skills.

ADVANCED PLACEMENT COURSE

CS4043 AP Computer Science A 1 Credit
Grades 11-12

Prerequisite: Algebra 2 (Pre AP Computer Science-Java Recommended)

The AP Computer Science A course is an introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable and reusable. The design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods.

*For this course, students are required to take the AP Exam and submit an AP Exam deposit by September 30.

ENGINEERING TECHNOLOGY DEPARTMENT

The mission of the Technology Engineering Department is to offer students a range of introductory learning experiences in the areas of Engineering, Manufacturing and Architectural design from which students can make more informed career and study decisions. Students will begin to appreciate the enormous impact and potential that technological development has and will continue to have on our world.

TE5300 Manufacturing: Wood Fabrication ½ Credit
Grades 9-12

Prerequisite: \$20.00 lab fee.

This course focuses on the techniques and concepts of production in the context of a wood fabrication shop. Students will learn proper tool and machine use as well as basic techniques through a team production project. Measuring accurately and sequential relationships between operations are stressed. Students will then work on the fabrication of a custom project. Students should emerge from this course with basic level of competence.

TE5400 Engineering Design 1

½ Credit

Grades 9-12

In this semester course, students will learn the principles of technical drawing and engineering design. Mediums include paper and pencil, AutoCAD. They will then apply the process to a design, draw, and build projects. One project from the Engineering Design frameworks and one from the Construction frameworks will be completed.

TE5500 Engineering Design 2

½ Credit

Grades 10-12

Prerequisite: Engineering Design 1

In this semester course students will review the principles of technical drawing and engineering design as well as be introduced to auxiliary drawings. Mediums include paper and pencil, AutoCAD. Students will then apply the process to a series of design, draw, and build projects. One project from the following technological areas will be completed: Power & Energy-Thermal, and Power & Energy-Fluid. This course is only offered in the second semester.

TE 5603 Architecture and Construction

1 Credit

Grades 10-12

Prerequisite: Engineering Design 1

Students will learn and apply the basic principles of residential design and construction in this full year course. The student learns to prepare site plans, floor plans, elevations, wall sections, and details. Plans are drawn by hand and using AutoCAD. The second semester is devoted to the students' own home designs. Basic construction techniques, local architectural styles, the design process, the building code and zoning regulations will be covered. Materials testing and scale projects may also be introduced.

TE5703 Architectural Design

1 Credit

Grade 12

Prerequisite: Architecture and Construction

Open to seniors, this course is intended to provide students with additional background in architectural design and design development, as well as related hands on opportunities. Students will design, prepare drawings, and models. Students will be introduced to environmentally and energy sensitive building techniques, materials, and systems. Prospective students should be prepared to solve problems and work independently.

ENGLISH LANGUAGE ARTS DEPARTMENT

The English Language Arts Department believes that language and literature function as powerful interactive tools. The communication processes of reading, writing, speaking, listening, viewing, and presenting are integrated daily in the effort to understand and be understood. Classroom learning should reflect the powerful role of language and literature in everyday life. Through the interactive communication process, the English Language Arts Department encourages students to become lifelong learners, thoughtful readers, critical thinkers, and socially aware citizens as they engage in constructing and conveying meaning for a variety of purposes, audiences, and situations.

A minimum of four ELA credits are required for graduation.

CORE COURSES, GRADES 9-10

LA1003

ELA 1

1 Credit

Grade 9

All Grade 9 students are required to take this course as a graduation requirement. The focus of this course includes in-depth studies of classic and contemporary novels and surveys a variety of other genres. Skills in writing a literary analysis paper will be enhanced. Research, vocabulary study, examination of the language, and formal presentations will be required, along with significant reading completed outside of the classroom. Skills in analyzing the effects and effectiveness of sound, form, figurative language, and dramatic structure of poems and classical drama will also be

reinforced. Formal presentations, dramatic readings, recitations, or performances that demonstrate appropriate consideration of audience and purpose will be required as students engage in their study of Language Arts.

LA1033

Pre-AP ELA 1

1 Credit

Grade 9

This Pre AP course is designed to challenge **highly motivated** students who possess **advanced** literacy skills. Students considering this level must demonstrate a mastery of the basics of good writing and comprehension skills and have a serious commitment to improving their literacy skills. Students will structurally analyze vocabulary from Greek and Latin origins. Essays may include description/narration, argument, persuasion, comparison/contrast, and a literary analysis paper supported with research. Skills in analyzing the effects and effectiveness of sound, form, figurative language, and dramatic structure of poems and classical drama will also be reinforced. Formal presentations, dramatic readings, recitations, or performances that demonstrate appropriate consideration of audience and purpose will be required. Authors studied in this course include Steinbeck, Lee, Shakespeare, Hansberry as well as various 19th through 21st century poets. A **graded Summer Reading** component is required.

LA2003

ELA 2

1 Credit

Grade 10

All Grade 10 students are required to take this course as a graduation requirement. This course includes an in-depth study of a variety of literature including poetry, short stories, and novels examining the themes of coming-of-age, alienation, and social injustice. This course also includes an in-depth study of analytical and persuasive writing, along with literary analysis. Research will be incorporated into papers throughout the course using proper MLA format. Readings assigned may include: *Night*, *The Catcher in the Rye*, *The Lord of the Flies*, *The Glass Menagerie*, *The Bean Trees*, *One Flew Over the Cuckoo's Nest*, *The Fault in Our Stars*, *Ordinary People*, *Points of View*, Shakespeare, selected nonfiction, and poetry.

LA2033

Pre-AP ELA 2

1 Credit

Grade 10

This Pre AP course is designed to **challenge highly motivated** students who possess **advanced** literacy skills. Students considering this level must demonstrate a mastery of the basics of good writing and comprehension skills and have a serious commitment to improving their literacy skills. Students will also be required to learn Latin and Greek prefixes and roots. Essays will include description/narration, argument, persuasion, comparison/contrast, and a literary analysis paper supported with research. : Authors that may be studied in this course include Golding, Salinger, Shakespeare, Wiesel, Kesey, Kingsolver, Dorris and Williams. A **graded Summer Reading** component is required.

CORE COURSES, GRADES 11-12

**Students should select one course for each semester. Students are expected to take at least one literature based course per year.

FIRST SEMESTER COURSES

LA3102

American Literature 1

½ Credit

Grade 11-12

Juniors who plan to attend a four-year college should take this course as preparation. This first semester survey courses introduces students to works from the Puritans to the Transcendentalists. Consideration is given to voices thought subversive in their time, such as works authored by slaves, Native Americans, immigrants, and women. Selections may include but are not limited to: *The Scarlet Letter*, slave narratives, *Walden*, *The Red Badge of Courage*, and *The Awakening*; stories of Edgar Allan Poe, Charlotte Perkins Gilman, and Ambrose Bierce; the poetry of Dickinson, Whitman, Bradstreet and Wheatley; sermons and selected speeches. These authors are those recommended by the Massachusetts State Frameworks and often read in college. Literary papers, essay examinations and projects are required.

learners participate in content area courses required for graduation in which the subject matter is adapted for them with the native language support of a teacher or tutor. At the same time, students in the English Language Education (ELE) program are placed in the appropriate level of English classes to fulfill their Language Arts graduation requirements until they have enough written and oral English language proficiency to participate in the mainstream curriculum offered by the English Department. Offerings in the English Language Education department are scheduled on a rotating basis as determined by the needs of the students enrolled in the program.

EL1203 Foundational Level 2 Credits

This course is designed for students who know little or no English and focuses on the acquisition of Basic English grammar, vocabulary development, and listening comprehension. It is an integrated skills class intended to extend students' English proficiency in listening, speaking, reading, and writing. It provides instruction in developing students' literacy and vocabulary skills at the most fundamental levels.

EL3203 Transitional Level 1 Credit

This course is designed for students whose knowledge of English enables them to understand subject matter at grade level in regular high school classes, but whose reading comprehension of English texts and writing in English is not at the developmental level needed to participate in mainstream offerings of the English Department. This course is designed to apply reading strategies which will enable them to comprehend, interpret, and appreciate a variety of literature, both fiction and non-fiction. Students focus upon developing writing skills for academic purposes, with particular attention to the targeted audience when writing literary analysis and expository essays. Students enrolled in this course are preparing for transition to mainstream classes.

EL4503 U. S. History I 1 Credit

This full year course will analyze the political, economic, and social development of the United States from 1763 to 1900. Because most ELLs are relatively unfamiliar with the culture, values, and history of the United States, a sheltered approach will be used to teach concepts and content of history. Based upon students' prior knowledge, a foundation for understanding concepts and content will be developed through discussion of the following areas: the Revolutionary and Constitutional eras, the formation and framework of American democracy, political democratization, westward expansion, the United States' role in world affairs, economic growth in the North and South, the Civil War and Reconstruction. This course fulfills the U.S. History 1 graduation requirement

EL4603 U. S. History 2 1 Credit

This full year course will analyze the political, economic, and social development of United States from 1900 to the present. Because most ELLs are relatively unfamiliar with the culture, values, and history of the United States, a sheltered approach will be used to build upon appropriate development of content-based academic language and teach concepts and content of U. S. history. Based upon students' prior knowledge, a foundation for understanding concepts and content of this period will be developed through discussion of the following areas: Immigration and Urbanization, America as a world power, World War I, Depression and New Deal, World War II and the Cold War, the Civil Rights Movement, the Vietnam War and its aftermath, the end of the Cold War, and the U.S. role in current world affairs. This course fulfills the U.S. History 2 graduation requirement.

EL4700 U. S. Government ½ Credit

This half-year course is designed to provide the students with knowledge of our government at its three levels: national, state, and local. Because most ELLs are relatively unfamiliar with the culture, values, and concepts of government of the United States, a sheltered approach will be used to build upon appropriate development of content-based academic language and to develop students' understanding of basic political theory, the Constitution, Congress, the Presidency, Federal Courts and Political Parties at the national level; the Governor, the General Court, and courts at the state level, and the different types of local government and services they provide at each level. Students will learn how the system has evolved through the years and how it has adapted to the changing times. Students will also focus on current events to make connections between their studies and their lives. An integral component of the course will stress the rights, roles and responsibilities of the individual in our system, emphasizing the participatory nature of a well-functioning democracy. Students must have successfully completed U.S. History 1 and U.S. History 2 to take U.S. Government.

EL5100 Health ½ Credit

This course is required for graduation. It is a half -year course that consists of study in the concepts related to health promotion and disease prevention; consumer health, environmental health, family life and sexuality, growth and development, nutrition, personal health (emotional, social and physical), conflict resolution and substance abuse and addictive behaviors. Students will learn to access and analyze information and develop goal setting, decision making, interpersonal communication and advocacy skills to promote health enhancing behaviors and avoid or reduce risk. Based upon students' prior knowledge, a foundation for understanding concepts and content will be developed using a sheltered instructional approach and building upon appropriate development of content-based academic language.

EL5200 Financial Literacy ½ Credit

Grades 9-12

Financial Literacy is a graduation requirement. The main focus of this course is to develop, understand and manage personal finances enabling students to make informed decisions concerning their financial affairs in everyday life. Real life topics such as managing finances and budgeting, saving and investing, living independently, earning and reporting income, buying goods and services, using credit, banking and protecting against risk are included in class discussions, projects and highlighted by guest speakers. . Based upon students' prior knowledge, a foundation for understanding concepts and content will be developed using a sheltered instructional approach and building upon appropriate development of content-based academic language

FAMILY CONSUMER SCIENCE DEPARTMENT

The mission of the Family and Consumer Science Department is to provide students with experiences that contribute to a solid foundation of knowledge, skills, and attitudes. Our students acquire these skills through the study of physical, biological, and social sciences along with the arts and humanities. Students prepare for a healthy, productive lifestyle and building fulfilling and self-directed lives.

FC5000 Foods ½ Credit

Grades 10-12

Prerequisite: \$20.00 lab fee.

This course provides fundamental knowledge and training for students interested in techniques used in food preparation. This course of study, taught in a classroom and lab setting, includes nutrition and food preparation basics taught within the frameworks of "My Plate." This course includes cooking and baking basics, meal planning, supermarket strategies, diet-related diseases, proper dining etiquette and sensible weight control.

FC 5100 Culinary Arts ½ Credit

Grades 10-12

Prerequisite: Foods; \$20.00 lab fee. (Grade of 85 or higher in Foods1)

This course is designed for students who may be interested in pursuing a career in the food service industry. Students will perfect culinary skills through a broad range of food preparation techniques in a classroom, lab setting, and out in the field catering school functions and events. Aspects of the food service industry will be explored, including etiquette, banquet planning and facilities, catering and presentation skills.

FC5203 Child Development 1 1 Credit

Grades 9-12

This is a course of study that explores the growth and development of the child from preconception to three years of age. Emphasis is placed on the physical, emotional, social, and intellectual aspects of the child's life. Students interested in all aspects of education, child care, social work and medicine will find this course helpful in furthering their career goals. This course also provides excellent preparation for future parenthood. Child Development I meets the requirements for a half year science credit. *

* NOTE: Child Development 1, Child Development 2, and Preschool are articulated courses with Holyoke Community College.

FC5303 Child Development 2 1 Credit
Grades 10-12

Prerequisite: Child Development 1

This course is designed for the student who has an interest in child development of the four, five and six year old. Study includes the physical, social, emotional and intellectual development of the child. Effective guidance and self-esteem promotion are taught along with units in art, children's literature, music, nutrition, preliminary academics and kindergarten readiness skills. This course is valuable to students who are considering careers in early childhood education or in any career that deals with the physical and psychological well-being of the child, including parenthood. This course is a prerequisite for enrollment as a student leader in our Pre-school program.

* NOTE: Child Development 1, Child Development 2, and Preschool are articulated courses with Holyoke Community College.

FC5403 Pre-School 1 Credit
Grades 11-12

Prerequisites: Child Development 1 and Child Development 2

The preschool program places emphasis on curriculum development, lesson planning, observational skills, and organizational techniques. The students in this course assume the responsibilities of a teacher in the Children's Corner Preschool. This course is valuable to students who are considering careers in early childhood education or any career that deals with the physical and psychological well-being of the young child, including future parenthood-

*NOTE: Child Development 1, Child Development 2, and Preschool are articulated courses with Holyoke Community College.

FC5503 Pre-School Student Leader 1 Credit
Grade 12

Prerequisite: Child Development 2, Pre-School, and permission of the instructor

This leader program is available to students who have completed one full year of teaching in the preschool. The student will teach in the preschool program, preparing and teaching lessons as well as supervising the children. Student leaders also assist in the training of first year teachers.

Students who meet the prerequisites can enroll in both the Pre-school and Child Development 2 during the same academic year.

FINE ARTS DEPARTMENT – ART

The mission of the Westfield High School Art Department is to provide students with experiences that contribute to a solid foundation of the elements and principles of art, and an appreciation of art history and cultural diversity. In addition, alternative methods of expression, aesthetic realization and appreciation will be enhanced so students can build responsible, fulfilling, self-directed lives.

AR1003 Art 1 1 Credit
Grade 9-12

Prerequisite: \$20.00 lab fee.

Art 1 provides the fundamentals for students to explore their artistic interests. Students will employ the elements of art and principles of design through a variety of artistic experiences. Students will acquire knowledge of and develop skills in drawing, painting, surface interpretations, value and color. Art appreciation, art literacy and portfolio presentation will be included.

AR2003 Art 2 1 Credit
Grades 10-12

Prerequisite: Art 1 or Drawing and Painting; \$20.00 lab fee.

Art 2 expands upon the fundamentals learned in Art 1. Students will apply advanced concepts and techniques in the development of a personal style. Projects engage students in problem solving and reflective skills. Students acquire

knowledge of and further develop skills in the interpretation of space and observational drawing. This course also explores multi-media techniques and the expressive use of color. Students describe, analyze, interpret and judge artwork in written critiques. The Elements of Art and Principles of Design will be applied. Other areas of emphasis are studio habits, art history, sketchbook entries and reflective writing.

AR3033 Pre-AP Art 3 1 Credit
Grades 11-12

Prerequisite: Successful completion of Art 1& 2; \$20.00 lab fee.

Students will develop the ability to render the human form in both a naturalistic and an expressive manner. Students begin with observational exercises in portraiture and anatomy to build skills in depicting the figure realistically. They learn techniques on stylizing and abstracting the human form. Paralleling to the development of these skills, students will be exposed to a variety of media and techniques in painting and drawing that will assist them in expressing their desired result. Examination of a number of historical painting styles will be explored.

AR5200 Drawing ½ Credit
Grades 9-12

Prerequisite: \$20.00 lab fee.

Students will learn the basic elements of drawing realistically through basic observational drawing exercises. Emphasis will be placed upon composition, the art elements and principles of design needed to produce a variety of drawings. A variety of media will be explored and creative expression will be highly encouraged choosing realistic to abstract art. Course will also include artist studies, journal entries and sketchbook drawing.

AR5402 Photography ½ Credit
Grades 9-12

Prerequisite: A 35mm camera with a flash in good working order is absolutely necessary for enrollment; \$25.00 lab fee.

This class introduces students to the basics of black and white photographic images. There are a series of assignments and class projects that give students a hands-on approach to mastering the subject. Digital photography skills will be explored and honed through the use of ADOBE PHOTOSHOP ®. The lab fee allows for film, paper and processing chemicals.

AR5500 Sculpture ½ Credit
Grades 9-12

Prerequisite: \$20.00 lab fee.

Students explore the ideas of space, form and surface using a broad range of materials and techniques. Students acquire knowledge of additive, subtractive and relief techniques used in the creation of 3-dimensional forms. The elements of art and the principles of design are applied to 3 dimensional constructions. Other areas of emphasis are studio habits, art history, sketchbook entries and reflective writing.

AR5600 Pottery ½ Credit
Grades 9-12

Prerequisite: \$20.00 lab fee.

Pottery provides the opportunity for students to explore the concepts and techniques of pottery making in the development of a personal style. Students develop and apply problem solving and reflective skills in the design and construction of pottery. Students learn about the processes of clay preparation, construction, glazing and firing. They create functional and non-functional pottery using pinch, coil and slab techniques. The Elements of Art and Principles of Design will be applied. Other areas of emphasis are studio habits, art history, sketchbook entries and reflective writing.

AR5701 Screen Printing 1 ½ Credit
Grades 9-12

Prerequisite: \$20.00 lab fee.

The central concept of the course is to introduce the student with screen printing technology and its use in communication and manufacturing. All introductory phases of screen printing will be covered: screen preparation, creation of a stencil, and the printing process. Students will be introduced to a broad variety of materials, machines, and manufacturing

processes relating to today's industry and technology. Students will be exposed to color separating using ADOBE PHOTOSHOP® software.

AR5702 Screen Printing 2 ½ Credit
Grades 10-12

Prerequisite: Screen Printing 1(85 or above) \$20.00 lab fee.

This course will be a continuation of Screen Printing 1 with the production processes used in the industry. Students will use ADOBE PHOTOSHOP® to manipulate and/or color separate their designs and images. Screen preparation will be mastered and vocabulary will be Prevalent. Projects will emphasize printing as a visual component. Massachusetts Arts Curriculum Frameworks will be addressed.

AR5900 Painting ½ Credit
Grades 9-12

Prerequisite: \$20.00 lab fee.

Painting will introduce students to a variety of painting media and techniques. Emphasis will be on process rather than product. Students will explore oil, chalk pastels, watercolor, tempera and acrylic. Relevant artists and masterpieces will be discussed.

ADVANCED PLACEMENT COURSES

AR4043 AP Studio Art 1 Credit
Grade 12

Prerequisite: Art 3; \$20.00 lab fee.

The AP Studio Art 2D design is a full year course designed for students who are seriously interested in the fine arts concepts and would like to further develop their skills, composition and execution of ideas. AP Studio Art College Board is not based on a written exam; but alternatively students submit portfolios for evaluation at the end of the school year. In building their portfolios, students will experience a variety of concepts, techniques, art mediums and approaches to help the AP student develop versatility in their problem solving skills. Students are required to develop a body of work for the concentration section of the portfolio that investigates the students' personal interests and unit of study. The art elements and Principles of Design will be further applied. Other areas of emphasis are studio habits, art history, sketchbook entries, and reflective writing.

*For this course, students are required to take the AP Exam and submit an AP Exam deposit by September 30.

FINE ARTS DEPARTMENT – MUSIC

The mission of the Music Department is to provide students with aesthetic experiences that contribute to a solid musical foundation of knowledge, skills, and attitudes on which students can develop cultural and an artistic awareness. It is important that students learn to understand the efforts of the mind, the voice, the hand, and the body which give dignity to the human being. The music program provides opportunities for all students to study, perform, and experience music according to their interests, desires, and capabilities. Courses taken in this department can be applied to the Fine Arts or Elective graduation requirement.

MU1000 / 1003 Concert Band ½ Credit / 1 Credit
Grade 9-12

This course is open to all students with previous instrumental experience. Emphasis is placed on knowledge of the fundamentals of musicianship, through the performance of high quality band literature. Students will perform in both concert band and marching band environments. Outstanding instrumentalists are given the opportunity to audition for district band (Western Massachusetts). Students will increase their technical and musical skills in the course and will be given many different performance experiences. Listening opportunities are made available. Analysis of personal and group performance is included. MU1000 is a half-year ½ Credit course; MU1003 is a full-year 1 Credit course.

Attendance at all performances is a requirement of this course.

MU2300 / 2333 Show Choir / Pre-AP Show Choir ½ Credit / 1 Credit

Grades 11-12

Grade 12 students taking full-year 1 Credit course receive Pre-AP weight.

Prerequisite: Applicants must audition.

Show Choir is open to students who have demonstrated vocal proficiency. Emphasis is placed on the development of technical skills. Show Choir includes the study of the performance of literature of several different composers, historical periods, languages, genres and styles. A more refined sound in terms of balance, blend and diction will be stressed. This course includes preparation for and presentation of public performances. Outstanding vocalists are given the opportunity to audition for district chorus (Western Massachusetts). Analysis of personal and group performance is included.

MU2300 is a half-year ½ Credit course; MU2333 is a full-year 1 Credit Pre-AP course.

MU3033 Pre-AP Music Theory 1 Credit

Grades 10-12

Pre-AP Music Theory is a course in basic musicianship for the student who has little or no background in music notation, scales, or elementary keyboard training. Students will examine the fundamentals of music and the structural elements of music. The use of piano is strongly recommended. Students will demonstrate their knowledge of the above through practical application in analysis, writing music and/or playing the keyboard. This course prepares a student to take MU5443 AP Music Theory.

MU5000 Piano Lab ½ Credit

Grades 9-12

This course is designed for all students interested in developing keyboard skills, beginner through intermediate. Emphasis is placed on students' individual achievement at the piano including fundamentals of musicianship. Posture, finger placement and hand positioning will be emphasized on a daily basis. A wide variety of instructional materials will be available to the students.

MU5443 AP Music Theory 1 Credit

Grade 12

This course is designed to further develop aural, sight-singing, written, compositional, and analytical skills through a series of listening, performance, written, creative, and analytical exercises. Students will learn to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Students will develop and practice musical skills and vocabulary through class discussion and written analysis of listening selections.

For this course, students are required to take the AP Exam and submit an AP Exam deposit by September 30.

HEALTH EDUCATION DEPARTMENT

Health is a state of physical, mental, and social well-being which permeates every aspect of human development. Health education promotes positive health practices, self-esteem, and self-control, as well as the ability to make informed lifestyle decisions. The goal is healthy, responsive learners who can build communities, resolve conflicts, and promote everyone's optimal well-being.

HE1000 Health Education ½ Credit

Grade 9

This course is required for graduation. It is a half -year course that consists of study in the concepts related to health promotion and disease prevention; consumer health, environmental health, family life and sexuality, growth and development, nutrition, personal health (emotional, social and physical), conflict resolution and substance abuse and addictive behaviors. Students will learn to access and analyze information and develop goal setting, decision making, interpersonal communication and advocacy skills to promote health enhancing behaviors and avoid or reduce risk

MATHEMATICS DEPARTMENT

The Mathematics Department is committed to helping all students improve their math skills and increase their understanding of math concepts. The department considers mathematics an indispensable tool in almost every facet of

MA3133 Pre-AP Pre-Calculus 1 Credit
Grade 11

Prerequisite: Pre-AP Algebra 2

This course is a prerequisite for a student intent on reaching AP Calculus. Eligible students completed Algebra 1 in Grade 8, Pre-AP Geometry in Grade 9, and Pre-AP Algebra 1 in Grade 10. The course covers all standards found in Pre-Calculus with added rigor. Students focus on the use of technology, modeling, and problem solving involving data analysis, trigonometric and circular functions, their inverses, polar coordinates, complex numbers, conics, and quadratic relations. Discrete topics include the Principles of Mathematical Induction, the binomial theorem, and sequences and series.

MA4003 Pre-Calculus 1 Credit
Grade 12

Prerequisite: Algebra 2

Pre-calculus completes the formal study of the elementary functions begun in Algebra 1 and Algebra 2. Students focus on the use of technology, modeling, and problem solving involving data analysis, trigonometric and circular functions, their inverses, polar coordinates, complex numbers, conics, and quadratic relations. Discrete topics include the Principles of Mathematical Induction, the binomial theorem, and sequences and series.

MA4103 Statistics and Probability 1 Credit
Grade 12

Prerequisite: Algebra 2

Statistics and Probability is a course designed for seniors that offers an introduction to topics found in a typical college beginning Statistics course. Students will apply data analysis and inferential techniques to real world information; gather, explore, organize, and describe data; develop an appreciation for the role probability plays in various real-world situations; and acquire the knowledge to make distinctions between different levels of probability. Students will participate in a semester-long project that investigates different areas of probability and how it affects their own lives. Students will engage in hands-on activities and explorations, as well as use the graphing calculator to determine specific statistics based on their research. Concepts learned will be applied to projects that will be presented to a greater audience.

MA3103 Math MCAS EPP 1 Credit Grade 12

This course fulfills the MCAS EPP requirement for students scoring between 220 and 238 on the MCAS Math assessment. Successful completion of this 4th math course allows a student to demonstrate competency for consideration to earn a full high school diploma endorsed by the Department of Elementary and Secondary Education of the Commonwealth of Massachusetts.

MA1500 MATH 180 ½ Credit

This course is a math intervention program designed for the struggling student to build confidence and competence in mathematics. A combination of teacher instruction and computer review and use assists in the delivery of the objectives.

MA4043 Honors Calculus 1 Credit

Prerequisite: C or Higher in Pre-Calculus. A graphing calculator is required (Purchase of a TI-89 Titanium graphing calculator not absolutely necessary but suggested. TI83-84 is sufficient).

This course consists of a full high school year of study that is comparable to a Calculus 1 college course. The year is devoted to the topics in Limits, Differential & Integral Calculus and will represent a multi-representational approach to calculus with a large concentration on applications in the real world. Students will be able to express topics in Calculus graphically, numerically analytically and thru verbal or written means. Technology will be used regularly to reinforce relationships.

ADVANCED PLACEMENT COURSES

MA4043 **AP Calculus AB** **1 Credit**
Grade 12

Prerequisite: Pre-AP Pre-Calculus Average of 80% A graphing calculator is required. (Purchase of a TI-89 Titanium graphing calculator not absolutely necessary but suggested. TI83-84 is sufficient).

This course consists of a full high school academic year of study that is comparable to the Calculus 1 college course. The year will be devoted to the required topics in differential and integral calculus and will emphasize a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Technology will be used regularly by students and the teacher to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results.

*For this course, students are expected to take the AP Exam and submit an AP Exam deposit by September 30.

MA4143 **AP Statistics** **1 Credit**
Grade 11-12

Prerequisite: Algebra 2 or Pre-AP Algebra 2

This course follows the AP Statistics Syllabus and will prepare students for AP Statistics Exam. It introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. The major concepts include data exploration, sampling and experimentation, probability and simulation, and statistical inference. Students in this course will actively construct their own understanding of the methods, interpretation, communication and application of statistics. The course is rigorous and fast-paced and intended for the independent and enthusiastic learner.

*For this course, students are required to take the AP Exam and submit an AP Exam deposit by September 30.

*AP students will be introduced and will spend substantial time working on questions found in prior AP Exams given by the College Board.

NON-DEPARTMENTAL OFFERINGS

ND5050 **Directed Study** **0 Credits**

This course is offered each semester for those students who need additional time for directed study and course preparation.

ND5453 **Academic Support (Humanities) 9** **1 Credit**

This course is offered as a full-year course for those students who need additional support in the areas of Humanities (English Language Arts, Reading, Social Studies, and Fine Arts).

ND5450 **Academic Support (Humanities) 10-12** **½ Credit**

This course is offered as a semester course for those students who need additional support in the areas of Humanities (English Language Arts, Reading, Social Studies, and Fine Arts).

ND5353 **Academic Support (STEM) 9** **1 Credit**

This course is offered as a full-year course or as a semester course for those students who need additional support in the areas of STEM (Science, Technology, Engineering and Mathematics).

ND5350 **Academic Support (STEM) 10-12** **½ Credit**

This course is offered as a full-year course or as a semester course for those students who need additional support in the areas of STEM (Science, Technology, Engineering and Mathematics).

ND5603 **Yearbook** **½ Credit** **Grades 9-12**
Grades 9-12

This course introduces students to all aspects of the production of Westfield High School's annual Yearbook. Students collaborate to photograph, write, and produce this important annual keepsake

students, be available for set-up and take down of equipment, assist the instructor, reach out to all students and be sensitive to the differences in the classes. Student Leader Applications are available in the Guidance Office.

PE5300 PE Exemption 0 Credit
Grades 11-12

Must be approved through application process

Students may be exempt from the Physical Education course requirement under the following criteria:

1. Student must be a bona fide member of a team during the year of exemption.
2. The exemption must be approved by the Head Coach, Athletic Director and Principal.
3. An application must be on file with the Athletic Director.
 - a. For exemptions, the application deadline is end of the Add/Drop period in September.

Approval of the exemption does not guarantee membership on a team. If for any reason the student does not complete the sport season, then the PE Exemption will be voided and the student will be responsible for completing all Physical Education course requirements. Applications are available in the Guidance Department.

READING DEPARTMENT

The ability to read, comprehend, appreciate and evaluate written material is crucial for daily success. In addition, the ability to organize and utilize the many forms of written information available today is necessary. These reading courses are offered to students who need to improve their specific reading and/or study skills. Students scoring below grade level on the spring SRI test are required to be enrolled in a reading class until such time they score at grade level.

RE1001 Reading 1 ½ Credit Grades 9-12

Students will explore the areas of reading including the following: reading comprehension, phonemic awareness, fluency, vocabulary, and phonics through the READ 180 program. The focus of the class is on the individual needs of each student based on a variety of assessments. Students who score below grade level on the SRI assessments in the eighth grade are required to be enrolled in this course until they test at grade level.

RE1002 Reading 2 ½ Credit Grades 10-12

This course will continue an intensive focus on individual reading needs through the READ 180 program based on the results of SRI test scores. This class will include vocabulary development, specific reading strategies relating to fiction and non-fiction, and on-going reading assessments to determine individual instruction.

SCIENCE DEPARTMENT

The Science Department believes an understanding of the natural world is a necessary component of the general education of each student. The courses we offer will spark the interest and curiosity of the students to continue to explore the physical, biological and chemical nature of their world. The importance of critical thinking skills and the ability to effectively communicate will be stressed throughout all science courses. All students are required to take Introduction to Physics or Biology during Grade 9. These two classes are needed to meet the objectives of the state MCAS testing. A **PASSING GRADE ON THE SCIENCE MCAS ASSESSMENT TEST IS REQUIRED FOR GRADUATION.** All students enrolled in Advanced Placement Science Courses are required to take the AP Exam in that course.

Students enrolled in Pre-AP and AP classes will be required to participate in the Westfield High School Science Fair to develop their research and analytical skills.

CORE COURSES, GRADES 9-12

SC1803 Introduction to Physics 1 Credit
Grade 9-10

This is an introductory laboratory class that combines the fundamentals of Physics with the quantitative and critical thinking skills necessary for success in all future science courses.

SC1833 Pre-AP Introduction to Physics 1 Credit
Grade 9-10

This is an introductory laboratory class that combines the fundamentals of both Physics with the quantitative and critical thinking skills necessary for success in all future science courses. A strong background in math is recommended for this analytical approach to the concepts of Physics and Chemistry.

SC1603 Biology 1 Credit
Grades 9-10

Students acquire the basic knowledge and skills to examine and understand the biological world. Biology will focus on a thematic approach studying the topics of: ecology, biochemistry, cytology, human anatomy and physiology, genetics, classification, evolution and biodiversity.

SC1333 Pre-AP Biology 1 Credit

This course will examine in detail, the topics of: ecology, cytology, genetics, evolution, bioenergetics, biodiversity, and physiology. A molecular approach will be emphasized. **Strong study skills are recommended for this rigorous course.**

SC2103 Anatomy and Physiology 1 Credit

Prerequisite: Successful completion of Biology

Human Anatomy and Physiology is a course designed for advanced students wishing to further their knowledge and understanding of the functioning of the human body. The purpose of this course is to prepare students for a program of studies at the collegiate level which would be necessary for an advanced degree in the biological sciences. Students interested in Medicine, Physical Therapy, Nursing, Psychology, Biomedical Engineering, Nutrition, Dentistry and other similar majors would be candidates for this course.

SC2203 Biodiversity 1 Credit

Prerequisite: Biology

This course of study is designed for the second year biology student. Biodiversity follows an evolutionary approach to an in depth study of the six Kingdoms and their interrelationships within the biosphere.

SC3103 Chemistry 1 Credit

This course is designed for the student who intends to pursue studies at the collegiate level. In this course, the physical and chemical properties of matter are investigated through a problem solving approach. The lab experiences integrate the concepts and principles presented in class; providing the student with the opportunity to learn investigative skills and techniques.

SC3133 Pre-AP Chemistry 1 Credit

This course surveys the major chemistry topics in detail, including atomic and molecular structure, stoichiometry, solutions, and other selected topics. This class provides the student with a challenging venue to hone problem-solving and critical thinking skills as well as being a pre-cursor to AP Chemistry.

SC4003 Physics 1 Credit

This college preparatory physics course will delve into the concepts of forces, motion, electricity and magnetism. Students choosing this mathematical course will experience a laboratory based curriculum that will stress understanding and articulation of the presented concepts.

SC5101 Horticulture 1 ½ Credit

Horticulture 1 is a semester course introducing students to all aspects of botany and its practical uses. The major topics of botanical science are studied such as plant structure and function, plant growth, photosynthesis, reproduction, responsiveness and adaptation to the environment(s). Students will examine these topics from a gardening and horticultural perspective.

SC5102 Horticulture 2 ½ Credit

Prerequisite: Successful completion of Horticulture 1.

This is a course designed for the student who intends to pursue the landscape or horticulture industry at a 2 or 4 year college. A broad base of topics that explore the basic principles of landscaping/horticulture and their methods of practical application will be studied. This conceptual course will emphasize hands-on activities and provide students with an in-depth understanding of careers in the landscape/horticulture industry, plant propagation, cultivation of specialty crops, safe pesticide use, plant classification, pruning techniques and lawn/turf grass establishment and maintenance.

SC5200 Forensic Science ½ Credit

Prerequisite: Successful completion of Biology or Chemistry

This semester course is a science elective geared toward those students interested in pursuing a career in the field of forensics. After being introduced to a mystery and the information at hand students perform a variety of lab activities to analyze evidence found at a crime scene. A variety of lab techniques are utilized to include: fiber and hair analysis, anatomical studies, DNA electrophoresis, blood splattering, glass fragmentation and fingerprint analysis. Scientific reasoning will be emphasized throughout and based on their findings, students will compose a Crime Lab Report to summarize their conclusions and solve the mystery.

SC5300 Science, Technology and Society ½ Credit

Prerequisite: Successful completion of two years of science.

This one semester course will look at the impact of science and technology on society. Students will look at the connections between science and technology with public policy, ethics, law, politics, and culture. Using critical thinking skills and application of knowledge in areas of physics, biology, and chemistry, students will learn to assess science and technology issues and understand how to become thoughtful and well-informed citizens and participants in the democratic process.

SC5400 Animal Behavior ½ Credit

Prerequisite: Successful completion of two years of a core (full year) science.

Animal Behavior is a semester course that explores the “how” and “why” of various animal behaviors, with a strong emphasis on evolution and natural selection. Students will explore a wide range of animal behaviors, from the habitat selection of insects to the complex social structure of wolf packs. Other topics include: instinctual behaviors, learning, migration, foraging, predatory-prey interactions, communication, sexual selection, mating, parental care, social behavior, and the ethics of animal research. Students will analyze graphs and data from field experiments, pose scientific questions, and design and carry out experiments in the field and in the classroom. The course culminates with a research project on an animal behavior chosen by the student. This fun and challenging course is recommended for students who have already taken Biology.

ADVANCED PLACEMENT COURSES

SC4143 AP Biology 1 Credit

SC4142 AP Biology Lab ½ Credit

Prerequisite: Successful completion of Biology and Chemistry

AP Biology is the equivalent to a college semester of introductory Biology. The content will expose those enrolled to “the Big Ideas” as mandated by the College Board. These four main themes include Evolutionary Processes and Diversity, Cellular Processes that Support Growth and Homeostasis, Living Systems and their Response to Stimuli, and the Interactions of Biological Systems. This course uses Scientific Reasoning and Mathematics to build upon the content

writing skills and historical research and writing methods. **Students considering this course should have strong grades in US History I and ELA 1.** This course fulfills the U.S. History 2 graduation requirement.

SS3043 A.P. Government and Politics: United States 1 Credit

Grade 11-12

This full year Advanced Placement course is designed to provide a learning experience equivalent to an introductory college course. It is designed to prepare motivated, academically talented students to take the Advanced Placement Government and Politics examination. The course will center on the following major content areas: constitutional underpinnings of the United States Government; political beliefs and behaviors of individuals; political parties and interest groups; the Congress, the Presidency and the Federal Courts; institutions and policy processes; public policy; civil liberties; civil rights and the responsibility of citizen participation in the system. ***Students considering this course should have strong grades in US History 2 or A.P. US History.*** This course fulfills the U.S. Government graduation requirement.

SS4043 A.P. Macroeconomics 1 Credit

Grade 11-12

This full year Advanced Placement course is designed to provide a learning experience equivalent to an introductory college course. It is designed to prepare motivated, academically talented students to take the Advanced Placement Macroeconomics Exam. The major emphasis is on the application of economic principles to bring about an understanding of contemporary problems. The course will center on the following major content areas: basic economic principles; measurement of economic performance; national income and price determination; financial sector; inflation, unemployment and stabilization policies; economic growth and productivity; and international trade and finance. In this course problems are usually examined from a social, not the individual point of view. The course stresses development of tools of analysis for evaluation, interpretation, communication, and problem solving. These skills will, in turn, permit students to compare ideas and events, formulate informed opinions, separate fact from fiction, and use evidence to draw conclusions. ***Algebra 2 is highly recommended.***

ELECTIVES (ELECTIVE OFFERINGS CONTINGENT ON INSTRUCTOR AVAILABILITY)

SS5002 Modern World History ½ Credit

Grades 9-12

This half-year course will examine major movements and events in World History in the modern era, including the examination of those cultures that made significant contributions to the world, as it exists today. Units will include: the growth of the nation state in Europe, the French Revolution, the Industrial Revolution, imperialism in Africa, Asia, and Latin America, and the period of the World Wars, the Cold War, the fall of the Soviet Union, and the emergence of globalization. **There are significant reading, writing, research and presentation requirements in this course.**

SS5700 Practical Law ½ Credit

Grades 10-12

This half-year course is designed to give students a basic overview of the American judicial system and to provide them with opportunities for practical applications of legal concepts. Topics covered will include the history of law and the American judicial system, adult criminal and juvenile criminal law, tort law, family law, real estate law, consumer credit, housing law, consumer protection law, Wills & Probate, current legal issues, and numerous actual cases involving legal issues in society. **There are significant reading, writing, research and presentation requirements in this course.**

SS4000 Economics ½ Credit

Grades 11-12

This half-year course will focus on macroeconomics, with the purpose of giving students a thorough understanding of the principles and theories of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international trade. **There are significant reading, writing, research and presentation requirements in this course.**

SS5400 Psychology ½ Credit

Grades 11-12

This half -year course is the scientific study of behavior and mental processes. Students will investigate psychological methods and theories, theories of thinking and learning, and abnormal behavior. Some topics of discussion will include motivation and emotion, gender roles, and stress and health. **There are significant reading, writing, research and presentation requirements in this course.**

SS5500 Sociology ½ Credit

Grades 11-12

This half-year course will focus on the study of group behavior. The students will study sociology as a science through cultural values, norms, and sanctions. Topics including deviation of cultural norms, social groupings, social stratification, minorities in the social structure, population and the family unit, past and present, will also be an integral part of the curriculum. **There are significant reading, writing, research and presentation requirements in this course.**

SS5800 U.S. History through Popular Media ½ Credit

Grades 11-12

This half-year course examines major themes and events from the 1940s to 2000 through the lens of popular media. The impact of media on 20th century America will be investigated. Areas of study will include, film, popular music, literature, and the mass media. **There are significant reading, writing, research and presentation requirements in this course.**

SS5900 History of American Sport ½ Credit

This half-year course examines the historical development of sports in the United States from a societal and cultural viewpoint. The course provides opportunity to examine the relationship between sports and nationalism, sports and politics, sports and the economy, sports and society change, sports and gender, and sports and American expansion. **Students will be expected to write analysis of readings and videos examining the political, economic, social issues in our society and their impact on sports. Students will also be expected to do some outside research for class presentations.**

SPECIAL EDUCATION DEPARTMENT

The Westfield Public Schools has a responsibility to provide an educational program for any student between the ages of 3 and 22 who has a disability which requires special educational services. When a student is experiencing difficulty within the regular education program, he or she may be referred for an evaluation under state and federal special education regulations. Evaluations may include any or all of the following: measures of intellectual potential, social-emotional status, achievement, speech and language functioning, gross and fine motor skills. Should the result of these assessments suggest a need for remedial assistance, options within both the general and special education programs will be explored. It is the belief of the Special Services Department that every student is entitled to participate in an educational program which enables him/her to develop skills and demonstrate effective progress. Students with a disability are instructed in an environment which is best suited to their individual abilities. Participation within regular education programs is encouraged and supported through a variety of ancillary services. High expectations and standards are maintained for all students. It is the department's goal to equip each student with the skills necessary to become a responsible, participating, productive citizen of his/her community. Toward that end, program options which enhance intellectual, social, and pre-vocational skills are provided.

Course Prerequisites: Individualized Education Program (IEP)

The following programs are available to meet the needs of each student with an Individual Education Program:

- Inclusion Program (IP)
- Resource Room Program (RRP)
- Life Skills Program (LSP)
- Development Learning Program (DLP)
- Transitional Program (TP)

INCLUSION PROGRAM

SP1503

ELA 1

1 Credit

Grade 9

The focus of this course includes in-depth studies of classic and contemporary novels and surveys a variety of other genres. Skills in writing a literary analysis paper will be enhanced. Research, vocabulary study, examination of the language, and formal presentations will be required, along with significant reading completed outside of the classroom. Skills in analyzing the effects and effectiveness of sound, form, figurative language, and dramatic structure of poems and classical drama will also be enhanced. Formal presentations, dramatic readings, recitations, or performances that demonstrate appropriate consideration of audience and purpose will be required as students engage in their study of Language Arts. Students also should select Academic Support.

SP1503

Algebra 1 (9)

1 Credit

SP2503

Algebra 1 (10-12)

Grade 9

Algebra 1 is the first required course in the college preparatory sequence and the cornerstone of all higher mathematics. Topics include the solving of linear and quadratic equations, polynomial arithmetic, factoring, radicals, graphing of linear functions, inequalities and the laws of exponents. Emphasis is placed on developing skills, increasing conceptual understanding, and problem solving. Students also should select Academic Support.

SP2303

ELA 2

1 Credit

Grade 10

All sophomores are required to take this course as a graduation requirement. This course includes an in-depth study of a variety of literature including poetry, short stories, and novels examining the themes of coming-of-age, alienation, and social injustice. This course also includes an in-depth study of analytical and persuasive writing, along with literary analysis. Research will be incorporated into papers throughout the course using proper MLA format. Readings assigned may include: *Night*, *The Catcher in the Rye*, *The Lord of the Flies*, *The Glass Menagerie*, *The Bean Trees*, *One Flew Over the Cuckoo's Nest*, *A Separate Peace*, *Yellow Raft on Blue Water*, *Ordinary People*, *Balzac and the Chinese Seamstress*, *Points of View*, Shakespeare, selected nonfiction, and poetry. Students also should select Academic Support.

SP2403

Geometry

1 Credit

Grade 10

Prerequisite: Algebra 1

The course is an integrated study of plane and solid geometry that develops an understanding of geometric relationships, proofs, inductive and deductive reasoning, and combines geometry with arithmetic, algebra, and trigonometry. The following topics are studied in detail: parallel lines, angles, properties of triangles, similar and congruent figures, quadrilaterals, regular polygons, area, perimeter, volume, circles, trigonometry, coordinate geometry, and transformations. Students should also select SP5901/2 for needed support. Students also should select Academic Support.

SP3403

ELA 3

1 Credit

Grades 11

This course will focus on reading, writing, research, speaking and presenting, and comprehension skills through the use of literature and activities related to the themes of conflict and decisions. Students will study conflicts and decisions in literature, society, and their own lives. Types of conflict, the reasons for conflict, and conflict resolution skills will be emphasized. The decision making process, the impact of making decisions upon self and others, and how students can improve their decision making skills will be targeted. Novels, short stories, poems, film, magazines, class discussions, oral presentations, projects, and the students' own writing will be used to understand and develop the themes of conflict and decisions. The student may complete the junior and senior English requirements to his/her ability level in accordance with his/her IEP. Students also should select Academic Support 10-12

SP3503

Algebra 2

1 Credit

Grade 11

This course completes the high school mathematics graduation requirements for many students. It covers standards of Algebra 2. Topics covered include radicals, exponents, rational expressions, determinants, linear and quadratic functions,

SP5160 Access Career Exploration

½ Credit

Grades 11, 12

This course is designed to introduce students to the career planning steps needed to enter the world of work. Activities/topics include creating a career plan, developing a resume, completion of a career interest survey, exposure to the interview process, job applications, skills needed to secure a job, and community resources that assist in seeking and securing employment. Students will be encouraged to join school and community activities in order to assist in the development of self-advocacy and personal skills. Students will create a portfolio that includes all the information, tools, and skills introduced throughout the course. The materials and methods are in accordance with student's Individualized Education Program (IEP).

SP5260 Access Career Transition

½ Credit

Grade 12

This course is designed to review and sharpen the career planning and job placement skills and tools covered in the Career Exploration course. Further engagement in school activities, self-advocacy, and student assistant placements will be encouraged. The Career Center will be accessed for seeking possible internships, cooperative employment, and job shadowing opportunities. Guest speakers from area businesses, technical schools and colleges, and support agencies will be scheduled as available. Students will be encouraged to and assisted with completion of job applications. The portfolio completed in Career Exploration will be further developed. The materials and methods are in accordance with student's Individualized Education Program (IEP).

SP5360 Access Health

½ Credit

Grade 9

This half-year course is designed to introduce students to health education, the human body and its major systems. The students learn about physical and emotional well-being. Safety, first aid, nutrition, fitness and self-care are stressed. Topics are presented using hands-on and project based learning activities that relate to independent living and work skills. The materials and methods are in accordance with student's Individualized Education Program (IEP).

Developmental Learning Program

Students who possess significant developmental disabilities are provided with a comprehensive program designed to maximize their independent living skills within their home, school, work, and community. A low teacher/student ratio is maintained. Ancillary services could include Modified Physical Education, Physical Therapy, Occupational Therapy, and Speech and Language Therapy.

SP5073 Developmental Core

7 Credits

Grades 9-12

This individualized course of study provides students with hands-on experiences that incorporate academics with life opportunities and focuses on the development of meaningful and relevant independent/interdependent living skills. Each student will develop to his/her maximum potential. The following areas will be addressed: personal self-image, interests, daily living skills, interpersonal relationships, and living a full and healthy life-style. This class is intended for the student who, in accordance with his/her Individualized Educational Program, requires academic instruction and support within a small group setting. Utilizing consultation with the classroom teachers, specialists and other support staff, students will develop life skills according to their IEPs.

TRANSITIONAL PROGRAM

Transition planning is provided to students based on individual student need. Four general areas covered include: Vocational Skills, Community Participation, Activities of Daily Living, and Social and personal communication skills.

SP5853 Transitional Core

Students are scheduled individually based on the Post-Secondary Vision developed in the Transition Planning Form.

WORLD LANGUAGES DEPARTMENT

In today's world where greater mobility produces freer interactions of peoples, everyone must become more aware of his/her responsibilities toward other people. The study of a foreign language provides one of the greatest opportunities to develop this awareness. Students are introduced to the thoughts, emotions, and cultural characteristics of a particular population. These educational and vocational values, when combined with the more traditional teaching of grammatical concepts, will result in a more effective mastery of the fundamental skills of language learning: listening for comprehension, speaking for communication, reading for knowledge, and writing for expression. A minimum of two consecutive years of foreign language study is required by state colleges and universities – some universities require even more. Courses taken in this department can be applied to the elective graduation requirement(s) unless otherwise noted.

WL1103 French 1 1 Credit

Grades 9-11

Expand your horizons. Begin another language. French 1 will provide you with the basic skills of understanding, speaking, reading, and writing French. The materials used are current and geared to your interests. Many glimpses of French life and culture are presented.

WL2103 French 2 1 Credit

Grades 9-12

Second year French uses an interactive approach to expand the basic skills learned in French 2. Students will be actively involved in proficiency-based exercises to build communicative competence. New tenses and grammatical concepts are presented as well as cultural aspects of France and French - speaking countries.

WL3103 French 3 1 Credit

Grades 10-12

Continue to develop your language skills through activities that focus on meaningful, personal communication in more sophisticated situations and interactions. Advanced vocabulary, expressions, and grammar will help you to communicate more effectively. A variety of literary, journalistic and cultural passages will increase your understanding and appreciation of France, its language, and French-speaking people.

WL4133 Pre-AP French 4 1 Credit

Grades 11-12

This honors course focuses on the history and literature of France. Learn how the events of French history and the accomplishments of the French people have influenced the development of the country and its culture. Strong emphasis is placed on speaking, aural comprehension, and vocabulary building. Grammar is reviewed in context.

WL1203 German 1 1 Credit

Grades 9-11

Learning the German language, while learning about its young people, old traditions, and the "New Germany" using an up-to-date, multi-faceted, and comprehensive language program including an integrated video. Cooperative learning techniques incorporated in a communicative context form the core of the program. Particular emphasis is placed on listening comprehension and speaking the language in order to master communication skills in the German language. Evaluations of these skills are integral. Cultural and geographical information is introduced in German from the early stages.

WL2203 German 2 1 Credit

Grades 9-12

This course is a continuation of German 1 with emphasis on speaking, listening comprehension and reinforcement and expansion of reading and writing skills acquired in the first year. Cultural and traditional aspects will continue to be explored through project research, journal entries and presentations. As students advance in their cultural and linguistic knowledge, they are immersed in family life, school, shopping and doing errands and chores along with everyday activities which they can relate to in their own lives. Short literary texts will be explored.

WL3233 Pre-AP German 3**1 Credit**

Grades 11-12

This Pre-AP course puts a strong emphasis on speaking, grammar review, and vocabulary building. Longer literary texts will be explored such as poetry and fairy tales. Oral presentations on a variety of topics. Evaluation will be on an individual basis; there will be opportunities to reinforce reading, writing, and speaking skills. Students will be more immersed in the history of German speaking countries as well as the ever emerging technology. Becoming more advanced in the communication of German, students participate in discussions, working to perfect all their language skills for a global economy.

WL5002 German Today**½ Credit**

Grades 10-12

This is a credit that may be achieved when a student participates in the GAPP (German American Partnership Program) exchange. A student must both host a student from our partner school in Wörth am Rhein, Germany from the Europa-Gymnasium as well as travel to Germany for a 30-day total immersion. Students are required to put together a project to present in Germany on a topic of their choosing that is related to the American way of life. They are required to keep a daily journal of their trip, and they must present a written project upon their return to the USA detailing their experiences. This can be in the form of a brochure, a book, a power point presentation and must contain the written word as well as pictures of the trip. As a group, all students will also prepare a program of entertainment to be performed at the welcome dinner in Germany. Students are required to attend all meetings both pre and post trip to prepare for this exchange.

WL1003 Spanish 1**1 Credit**

Grades 9-11

In this course, students will learn to speak, read, write and comprehend spoken Spanish, while becoming familiar with various aspects of Hispanic culture and life. Live action videos are integrated with the text to reinforce vocabulary, grammar, and culture. Students will have opportunities to apply what they learn to their own lives through pair work and cooperative learning.

WL2003 Spanish 2**1 Credit**

Grades 9-12

Second year Spanish uses an interactive approach to expand the basic skills learned in Spanish 1. Students will be actively involved in proficiency-based exercises to build communicative competence. New tenses and grammatical concepts are presented as well as cultural aspects of Spain and Spanish-speaking countries.

WL3003 Spanish 3**1 Credit**

Grades 10-12

Spanish 3 gives the student a thorough review of the grammar studied in the previous two years with particular attention to verb tenses. Students are exposed to short literary works in Spanish. Opportunities for oral and written expression are provided through exercises and group work.

WL4033 Pre-AP Spanish 4**1 Credit**

Grades 11-12

The fourth year of Spanish is an honors course in which an intensive study is made of history, geography and renowned Spanish and Spanish-American writers. Grammar is studied mainly through context and through specific item review. The

ADVANCED PLACEMENT COURSES**WL5243 AP German Language and Culture****1 Credit**

Grade 12

This AP German course is intended for the advanced, highly-motivated student. Reading and analysis of full-length literary and philosophical works, intensive conversation practice, and a review of the finer points of grammar and idiomatic expression are the main points of emphasis. On-line correspondence with journaling will create an international experience that will enhance communication skills. An in-depth look is taken on German politics, history, and the world

of business as well as the economy. The German film *Das Versprechen* will be discussed and analyzed to understand the split of Germany after WW II.

*For this course, students are required to take the AP Exam and submit an AP Exam deposit by September 30.

WL5043 AP Spanish Language and Culture

1 Credit

Grade 12

This fifth year of Spanish is an honors course intended for the advanced, highly-motivated student. Reading and analysis of literary or philosophical works, intensive conversation practice, and a review of the finer points of grammar and idiomatic expression are the main points of emphasis.

*For this course, students are required to take the AP Exam and submit an AP Exam deposit by September 30.

