

Wallkill Valley Curriculum Guide 24-25

WALLKILL VALLEY REGIONAL HIGH SCHOOL



2026-2027 CURRICULUM GUIDE & GRADUATION REQUIREMENTS

**WALLKILL VALLEY REGIONAL HIGH SCHOOL DISTRICT
(Comprised of: Franklin, Hamburg, Hardyston Township, and Ogdensburg)
10 Grumm Road
Hardyston, New Jersey 07419
973-827-4100
www.wallkillvrhs.org**

BOARD OF EDUCATION

**Virginia Jones
Thomas Kabatra
Traci Dressner
Jacqueline Elmo
Gina Desino
Cynthia Rock
Michael Davina
Ralph Bonard
Brian Silipena**

Joseph P. Hurley Jr., School Business Administrator/Board Secretary

ADMINISTRATION

SUPERINTENDENT

David Carr

ASSISTANT PRINCIPALS

Chris Buglovsky, Vito Morgese, Adam Vazquez

DIRECTOR OF CURRICULUM AND INSTRUCTION

Taryn Geuther

COORDINATOR OF SPECIAL SERVICES

Kayla Gadian

DIRECTOR OF ATHLETICS

Daryl Jones

SCHOOL COUNSELORS

Jim Hamill, David Wolfelsperger, & Assunta Coppola

TABLE OF CONTENTS

BOE & Administration - 2
Mission Statement - 4
Guidance Services - 5
Grading Scale - 6
Graduation Requirements - 9
Fine Arts Course Descriptions - 11
Business Course Descriptions - 19
Computer Course Descriptions - 24
English Course Descriptions - 27
Family and Consumer Sciences Course Descriptions - 34
Industrial Arts Descriptions - 35
Mathematics Course Descriptions - 45
Music Course Descriptions - 57
Physical Education Course Descriptions - 63
Science Course Descriptions - 69
Social Studies Descriptions - 80
Special Education Course Descriptions - 89
Self-Contained Programs - 97
World Language Course Descriptions - 102
English as a Second Language Descriptions - 106

FORWARD

This booklet has been prepared to explain the curricular offerings at Wallkill Valley Regional High School and to assist you in planning your program for the coming year.

Public schools have long recognized that all students have special needs and interests. The program of studies at Wallkill Valley Regional High School is designed to give you the opportunity to plan an individual pattern of studies which takes into consideration your special interests, abilities, and ambitions. It also provides the opportunity for continued study of subjects necessary for a broad general background.

As you progress through high school, you have the privilege and responsibility of building your own program of studies. The individual program you seek will enable you to work toward the achievement of the educational, occupational, and personal growth goals you have established for yourself. Please consult your parents, teachers, and guidance counselor to get the help and advice you need to select the most appropriate courses each year. The courses that you do select will determine the degree to which you will properly utilize the facilities and offerings of the school.

The Guidance department and the Administration welcome the opportunity to discuss your educational plans and/or concerns with you and your parents. If you have any questions, please telephone the high school. Our number is 973-827-4100.

WALLKILL VALLEY REGIONAL HIGH SCHOOL MISSION STATEMENT

The Wallkill Valley Regional Board of Education accepts the responsibility for coordinating the available resources of home, school, and community in a mutual effort to guide every student's growth towards becoming a self-respecting individual who can effectively function politically, economically, and socially in a democratic society.

The board is dedicated to ensuring that all students in the district are provided with the necessary skills and competencies for achievement of the NJ Student Learning Standards.

A. The high school graduation rate shall be at least 90 percent.

1. The district shall provide least restrictive, alternative programs for students who cannot succeed in the regular high school environment, including those students with disabilities.

2. The district shall provide dropout prevention programs for students at risk.

B. Students shall leave grades eleven and twelve having demonstrated competency in challenging subject matter including language arts/literacy, mathematics, science, social studies, health, and physical education, visual and performing arts, world languages, and technology and financial literacy.

1. District shall implement the state approved NJ Student Learning Standards and appropriate assessments to enable students to succeed and to evaluate their performance.

2. The district shall provide staff development opportunities to ensure that teachers are adequately equipped to teach challenging and up-to-date subject matter and to implement effective teaching techniques.

C. Students shall learn to use their minds well, so that they may be prepared for responsible citizenship, further learning, and productive employment in our modern economy.

1. The district shall provide students with experiences in higher level thinking, information processing, the responsibilities of citizenship, and employability skills.

2. All students shall demonstrate competency in the skills identified in the cross-content workplace readiness standards.

3. All students shall demonstrate respect for racial, cultural, ethnic, and religious diversity.

D. All students shall increase their achievement levels in science and mathematics to help contribute to our country's ability to compete academically with all other countries of the world.

1. The district shall revise its curriculum offerings in science and mathematics according to state standards.

2. The district shall provide staff training in the teaching of mathematics and science in grades 9-12 to increase teachers' understanding of, and ability to teach these subjects.

E. Wallkill Valley Regional High School shall be free of drugs and violence and offer a safe, disciplined environment conducive to learning.

1. The district shall develop partnerships with parents to establish the

responsibilities of each to create and maintain a safe and healthy educational environment for all students.

2. The district shall provide programs and staffing to deal with students at risk. The school and community shall expand their cooperative efforts to create drug and violence-free environments.

3. All students shall develop a positive view of self and learn to use effective interpersonal skills.

I. Guidance Services

The Wallkill Valley Regional High School Guidance Program is organized to provide comprehensive counseling services for all students. These services will help pupils learn to make decisions concerning life's many choices. Counselors are always available to discuss academic progress, educational/career planning, and problems regarding personal/social adjustment. The overall objectives of the Guidance Program are to provide students with directive counseling and informal services which will: 1) help them to better understand themselves; 2) provide proper direction for them to take full advantage of educational opportunities offered at Wallkill Valley Regional; 3) counsel them regarding appropriate postsecondary alternatives and opportunities; and 4) aid them in making informed and responsible decisions.

Each student is assigned a counselor whose responsibility it is to assist students in developing, planning, and carrying out an appropriate educational program. Counselors see students on a regularly scheduled basis to review academic progress and to discuss future planning. Students are encouraged to schedule appointments by emailing their counselor or making an appointment through the Guidance Administrative Assistant. Parents may schedule an appointment by calling their student's counselor at (973) 827-4100 extension 252.

SPECIAL PROGRAMS AND TESTING

The Guidance Department conducts several group activities during the school year. Several group presentations are given to students at each grade level. The purpose of these sessions is to provide information regarding personal development.

The Guidance Department also plans and administers several testing programs throughout the year. The Preliminary Scholastic Aptitude Test (PSAT) is administered to all sophomores and juniors to assist them in evaluating their readiness for higher education. The Scholastic Aptitude Test (SAT) is administered in the spring of each year.

During the months of January, February and March, counselors meet with each student to plan each student's schedule for the next academic year. The content of this curriculum book provides most of the information necessary for parents and students to make informed choices. Counselors strongly encourage students and parents to review the curriculum guide material and also, to discuss their interests and goals. With this type of preparation, counselors can help to guide and to provide suggestions for a meaningful educational program.

TRANSCRIPTS

Copies of student records are available upon request. To be official, transcripts must be sent directly to the institution requesting them. Unofficial transcripts can be supplied to the students for college visits and other reasons. Upon graduation, any student requesting a copy of their transcript must complete a transcript request form. The form is available on the website.

ACCESS TO PUPIL RECORDS

Title VI of Administrative Law states that:

- (a) Only authorized organizations, agencies or persons as defined herein shall have access to pupil records.
- (b) The district board of education may charge a reasonable fee for reproduction, not to exceed the schedule of costs set forth in N.J.S.A. 47:1A2, provided that the cost does not effectively prevent the parents from exercising their rights under this subchapter or under rules and regulations regarding educationally handicapped pupils.
- (c) Authorized organizations, agencies and persons shall include only:
 1. The parent of a pupil under the age of 18 and the pupil who has written permission of such parent.
 2. Pupils at least 16 years of age who are terminating their education in the district because they will graduate secondary school at the end of the term or no longer plan to continue their education.
 3. The adult pupil and the pupil's parent who has the written permission of such pupil, except that the parent shall have access without consent of the pupil as long as the pupil is financially dependent on the parent and enrolled in the public school system or if the pupil has been declared legally incompetent by a court of appropriate jurisdiction.
 4. Certified school district personnel who have assigned educational responsibility for the pupil.
 5. A district board of education, in order to fulfill its legal responsibilities as a board, has access through the chief school administrator or his or her designee to information contained in a pupil's record. Information shall be discussed in executive session unless otherwise requested by the parent or adult pupil.
 6. Secretarial and clerical personnel under the direct supervision of certified school personnel shall be permitted access to those portions of the record to the extent that is necessary for the entry and recording of data and the conducting of routine clerical tasks. Access shall be limited only to those pupil files which such staff are directed to enter or record information and shall cease when the specific assigned task is completed.
 7. Accrediting organizations in order to carry out their accrediting functions.

II. Achievement

Achievement is defined as the degree of success attained in meeting the objectives of the course based upon departmental standards. Such standards will include the quality and quantity of class work, homework and research work considered essential for advancement in a given course.

Achievement is indicated by the following grading system:
LETTER GRADE DESCRIPTOR PERCENT

A Excellent 90-100
B Good 80-89
C Average 70-79
D Poor 65-69
F Failure 64 or below
P Pass

Note:

1. Letter grades and numeric averages shall appear on the Report Card.
2. Reports will be issued to students four times each year.
3. Interim Reports will be issued four times a year midway through the marking period.
4. All reports will be issued online. Hard copies will be mailed by request. A final report card will be mailed at the conclusion of each academic year.

III. Honor Roll

The Honor Roll will be published at the end of each marking period. To be eligible for placement on the High Honor Roll, a student must have all grades of "A." Honor Roll students must have grades of "A's" and/or "B's."

IV. Grouping

Homogeneous grouping levels and designations are as follows:

AP - Advanced Placement H - Honors CP - Academic G - Basic RC - Resource Center

Students are placed in homogeneously grouped courses according to ability, achievement, interest, and goals.

V. Grade Point Average, Course Weighting, and Class Rank

Each student attains a Grade Point Average at the end of each year. The GPA is based upon the courses the students undertake and the grades they receive in those courses. Each final grade is assigned a "quality point" ranging from one to four. The GPA is an average of the total quality points attained. Grades in **ALL** courses are used to calculate each student's GPA.

Certain courses, because of their nature and rigorous requirements, have been determined to be extremely demanding and considered to be "weighted" when used in determining a student's grade point average. Honors and Advanced Placement courses are assigned one additional "quality point" per grade which creates a greater positive effect on the student's grade point average.

The following courses will be considered weighted:

Honors English I	AP Statistics	Honors Spanish IV
Honors English II	AP Calculus AB	AP Calculus BC
AP English Literature	AP Biology/Lab	AP U.S. History
AP English Language	AP Chemistry/Lab	AP Art History
AP US Government	AP Physics/Lab	Honors Band
Honors Algebra I	AP Physics C/Lab	AP Studio Art
Honors Geometry	AP Computer Science A	AP Psychology
Honors Algebra II/Trig	Honors US History	Honors Advanced Select Choir
Honors Precalculus	Honors College Composition	Honors Engineering and Design Technology IV
AP World History	Honors Biology	Honors Automotive Tech IV
Honors Chemistry	Honors Anatomy & Physiology	

At the end of grade eleven, an official class rank is developed. The order of rank is dependent upon each student's Grade Point Average with the highest rank going to the student with the highest GPA. All other students are ranked accordingly. Please note that courses taken off site at the community college and during Grade 8 will be listed on student records, but will not be calculated into the students Grade Point Average.

VI. Gifted and Talented

Exceptional students who demonstrate high levels of ability when compared with their peers are encouraged to enroll in courses that maximize the development of their special abilities. The Honors and Advanced Placement courses listed above are designed to meet the needs of the Gifted and Talented student. Students are identified by multiple measures that are developmentally appropriate, non-discriminatory, and related to the individual program of studies. All course curricula at Wallkill Valley includes accommodations for gifted and talented students to better challenge them at their ability levels in any course.

VII. Course Sequences

Students who have failed courses, especially those required for graduation in any of the first three years, are strongly urged to attend summer school to make up these courses. This is the only way in which the student can be assured of placement in the senior class and graduation in the normal four-year period with the minimum number of required credits.

VIII. Course Load for Students

Students will meet with their guidance counselor to schedule for the upcoming academic year. At that time students will make selections for academic and elective courses, where a lunch period is required for the new schedule to be approved.

IX. Home Instruction

For pupils determined by the school physician to need confinement at their residence for at least a two-week period of time, home instruction shall meet the following criteria:

1. Instruction shall be provided at a common place of instruction agreed upon by both parties.
2. The pupil shall be carried on an individual home instruction register.
3. Instructional services shall begin within five calendar days after eligibility has been established.
4. Students with educational disabilities will be provided instruction by an appropriately certified teacher. Regular certified and people with a county substitute certificate can provide home instruction for regular education students.
5. The pupil shall receive a program that meets the requirements of the district board of education for promotion and graduation. Pupils with educational disabilities may be exempted in their individualized educational program according to N.J.A.C. 6:283.6(e) IV.
6. Instruction shall be provided for no fewer than five hours per week for regular education students and ten hours per week for students with educational disabilities.
7. Instruction may be provided for up to 60 calendar days in a school year. If the school physician believes that instruction for a longer period of time is indicated, referral shall be made according to N.J.A.C. 6:283.3 for determination by the child study team of eligibility for special education and/or related services.

A pupil classified as educationally disabled shall have his or her individualized education program implemented through one-to-one instruction at home or in another appropriate setting when it can be documented that no other program option is appropriate at that time.

X. Graduation Requirements

To earn a Wallkill Valley Regional High School Diploma, a student is required to:

- a) Satisfactorily complete all graduation requirements set forth and approved by the Wallkill Valley Regional High School Board of Education.
- b) Satisfactorily complete the following required courses:

Class of 2027-2030

English- 4 years

World History- 1 year

U.S. History- 2 years

Mathematics- 3 years (must include Algebra I, Geometry and a third math class that builds on the concepts of Algebra and Geometry)

Science- 3 years (must include Biology/Lab and additional laboratory/inquiry based science course including Chemistry, Environmental Science, or Physics: and a third Laboratory/inquiry-based science course)

Health and Physical Education- 4 years

Visual and Performing Arts- 1 year

World Language- 1 year

21st Century Life and Careers- 1 year

Financial, Economic, Business And Entrepreneurial Literacy- ½ year

c) Meet or exceed the minimum threshold scores in Language Arts, and Math assessments as determined by the State of New Jersey. Assessments used to satisfy the graduation requirement may include NJGPA, PSAT/NMSQT, PSAT10, SAT, ACT, Accuplacer, or NJDOE Portfolio Appeal.

d) Meet or exceed those district attendance standards defined by policy.

XI. Health

Health services are provided in the high school to help the student and the family to recognize and understand good health practices and the way in which they affect both the present and future life of the student. Students who become ill or injured in school are given emergency treatment by the nurse and are referred for medical care as needed. Parents, however, are discouraged from sending ill or injured students to school for diagnosis or treatment, since the health staff does not have public facilities or responsibility. Health and immunization records are maintained by the nurse, according to New Jersey State Law.

XII. Special Services through The Child Study Team

The Wallkill Valley Regional High School Special Services Department provides a continuum of programs, placements, and related services for students who are eligible and in need of special education. Referral for Special Services is made to the Child Study Team to determine if a student is eligible and in need of special education and related services.

The Child Study Team is composed of a Psychologist, a Social Worker and a Learning Consultant who work collaboratively with the special services department, including related service providers, school nurse, and other medical and educational specialists. The primary responsibility of the team is to develop individual and appropriate programs for identified students, including preparing an IEP (individualized education plan).

Services for students who are eligible are provided in accordance with the Rules and Regulations for Special Education outlined in the District Policy Manual. A continuum of programs are offered within the district and in accordance with the least restrictive environment.

XIII. 504 Services and Policy Statement

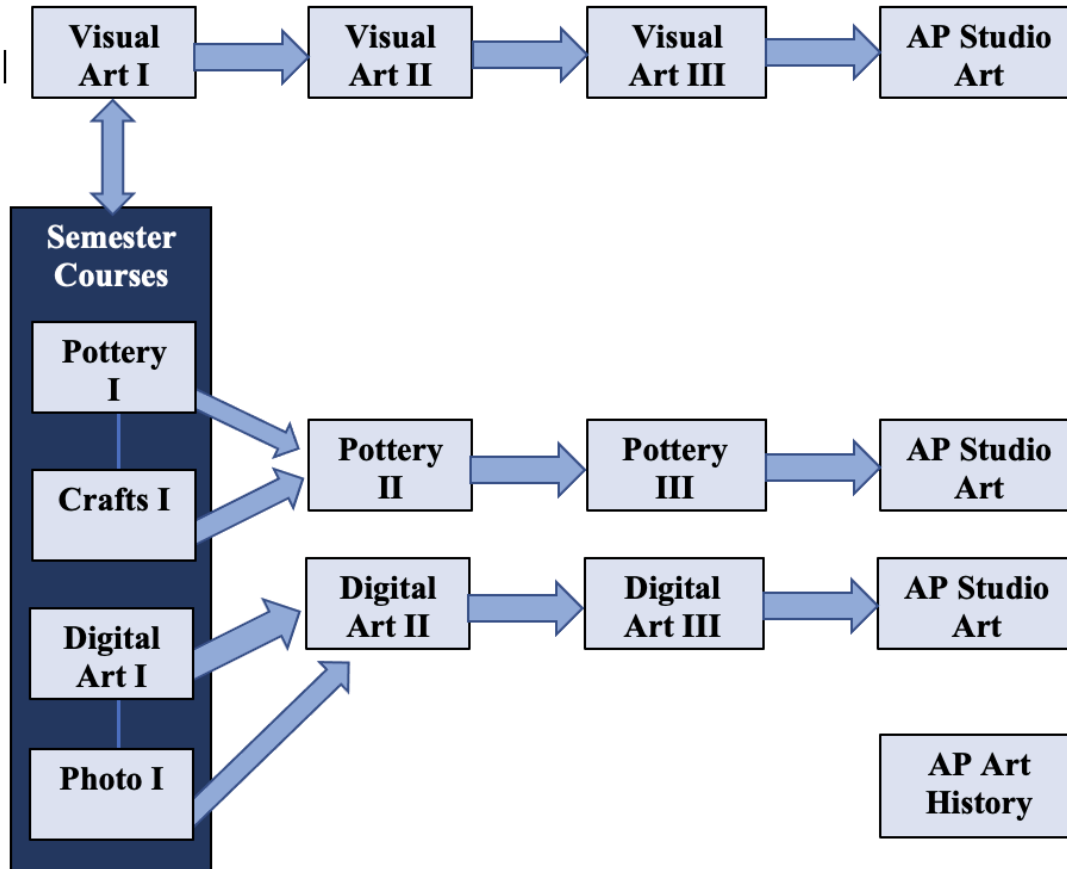
It is the policy of the Wallkill Valley Regional High School not to discriminate in its educational programs, activities, employment policies, or admission policies and practices on the basis of race, color, national origin, sex, or handicap. Lack of English language skills will not be a deterrent to admission to any program at the Wallkill Valley Regional High School.

Therefore, it is the intent of the district to ensure that students who are determined to have a disability within the definition of Section 504 are identified, evaluated, and provided with appropriate classroom accommodations. The due process rights of disabled students and their parents/guardians will be enforced

2026-2027 WALLKILL VALLEY COURSE DESCRIPTIONS

FINE ARTS DEPARTMENT

Visual Art students will be provided with a variety of learning experiences in both beginning and advanced levels of training. The courses are designed to introduce the artistic process for the beginner or develop a well-rounded portfolio for the advanced student.



Course Name: VISUAL ARTS I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): None

Course Description:

Visual Arts I is designed to provide students with a strong drawing and design foundation. Emphasis is placed on understanding and implementing the Elements of Art and Principles of Design as a basis for creating original artwork. Students will be exposed to a variety of artists, art processes and art making materials. Students will create artwork in drawing, painting, printmaking, collage, etc. Student artwork will reflect personal aesthetic & cultural and historical contexts. Willingness to get involved in the creative process is a more important requirement than the student's talent or previous experience.

Course Name: VISUAL ARTS II

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): Visual Arts I or Teacher recommendation

Course Description:

Visual Arts II elevates the creative potential and interest discovered in Visual Arts I. Students will work to develop a personal style through exposure to new materials and advanced techniques. Context will be provided through the study of art historical and contemporary artists with a focus on artistic expression, as well as insight into contemporary art-related careers. Two-dimensional media will continue to be the major emphasis of this program resulting in the initial development of a fine art portfolio.

Course Name: VISUAL ARTS III

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): Visual Arts I & Visual Arts II, or Teacher recommendation

Course Description:

Visual Arts III provides the motivated artist with intense studio experience. This course is designed for students who have acquired a sense of personal artistic style and are interested in the creation of a body of work and possible pursuit of the study of art after high school. Visual III will facilitate self-expression by following a program in which self-discipline, goal setting, critical thinking and concentration are demanded. Students will be expected to work in areas that are generally familiar to them and apply skills and concepts previously learned to the production of new and original work. Additionally, the study of art historical and contemporary artists will provide context and influence each student's body of work. Priority will be placed on the guided development of an art portfolio, sketchbook, and at-home drawing assignments.

Course Name: AP STUDIO ART

Weighted: YES

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): Visual Art III, Pottery III, Digital Art III, or Teacher recommendation

Course Description:

The AP Art and Design program consists of three possible courses and AP Portfolio Exams corresponding to college and university foundations courses.

AP 2-D Art and Design

AP 3-D Art and Design

AP Drawing

Students develop a portfolio of work to demonstrate a personal inquiry through creation of art and design and experimentation with materials, processes, and ideas over the course of a year. Students will include written statements reflective of their creative process and development of inquiry. The digital portfolio will be assessed by the college board based on a rubric. This course culminates in a portfolio exam, a required component of the course under the purview of the College Board. For more information visit the college board site at <https://apcentral.collegeboard.org/myap/>. ****Summer Work Required***

Course Name: AP ART HISTORY

Weighted: YES

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Teacher recommendation required. *Students interested in enrolling without a Teacher recommendation may need to submit a writing sample for approval.*

Course Description:

This course provides the student college-level interpretation of the pivotal periods in artistic expression that span the centuries and a variety of world cultures. The analytical framework reflects the notion that artistic trends connect world events. At the end of the course, students will be able to describe the impact of art and history on each other and the social and cultural world within. This class will require students to think critically and to develop an artistic vocabulary that effectively expresses opinions about each piece with aptitude and creativity. This course culminates in the AP Art History written exam, a required component of the course under the purview of the College Board.

This course does not require prior knowledge of the subject, proven skills in the studio arts, or focus on identifying students interested in majoring in art history at the college level. However, it does demand a serious commitment to academic studies in order to meet college standards. Students who have excelled in courses such as literature, history, or the studio arts are particularly encouraged to enroll.

****Summer Work Required***

Course Name: POTTERY I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

Pottery I teaches students fundamental pottery construction methods and techniques to create functional and decorative objects. Drawing will be an integral part of the planning process in this course.

Course Name: CRAFTS I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

Crafts I teaches students fundamental techniques to create decorative objects. Drawing will be an integral part of the planning process in this course. Students will create projects using a variety of materials throughout the course.

Course Name: POTTERY II

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Pottery I and Crafts I*

Course Description:

Pottery II challenges students to refine skills learned in Pottery I. Students are expected to produce projects showcasing advanced ability and complex understanding of studio materials. Requirements include the development of original concepts, a creative approach to troubleshooting, and the realization of a unique personal aesthetic culminating in a 3-dimensional portfolio.

Course Name: POTTERY III

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Pottery II*

Course Description:

Pottery III is for the highly motivated student, who has acquired a sense of personal aesthetic and is interested in the serious study of pottery and crafts. This course guides students through the development of a 3-dimensional portfolio through independent study. The training acquired through Pottery III is designed to prepare students for study at the college level. Students will be expected to apply the skills and concepts previously learned to the production of new and original artwork. Instruction will be provided in the development of educational and vocational goals, 3-dimensional portfolio, and preparation of a senior show. Additionally, the study of art history will provide context and influence each student's body of work. Priority will be placed on sketch plans and portfolio development.

Course Name: DIGITAL ART I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

This course is an introduction to digital imagery and computer software editing. Throughout the courses, technical skills and conceptual understanding will be major goals in the weekly hands-on assignments. Through demonstrations, projects, discussions, and portfolios students gain insight into contemporary theory and historical heritage of digital art including but not limited to photography, graphic design, digital drawing, and digital media. Students may enroll in only one of the half year courses, however, to progress to Digital Media II, students must enroll in both Digital Art I and Photo I. Students may use a digital camera from home or will be provided with one.

Course Name: PHOTO I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

This course is an introduction to the basic techniques of digital camera operation. Throughout the courses, technical skills and conceptual understanding will be major goals in the weekly hands-on assignments. Students may use a digital camera from home or will be provided with one.

Course Name: DIGITAL ART II

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Digital Art I and Photo I*

Course Description:

Students engage in a more concentrated study of digital art to gain a deeper understanding. It is designed to educate students on the ever-changing digital world, using modern nontraditional media to create art, as well as to provide hands-on experience with industry standard software and equipment. Topics covered in Digital Art II classes include animation, editing, digital photography, PhotoShop, and post processing.

Course Name: DIGITAL ART III

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): Digital Art II

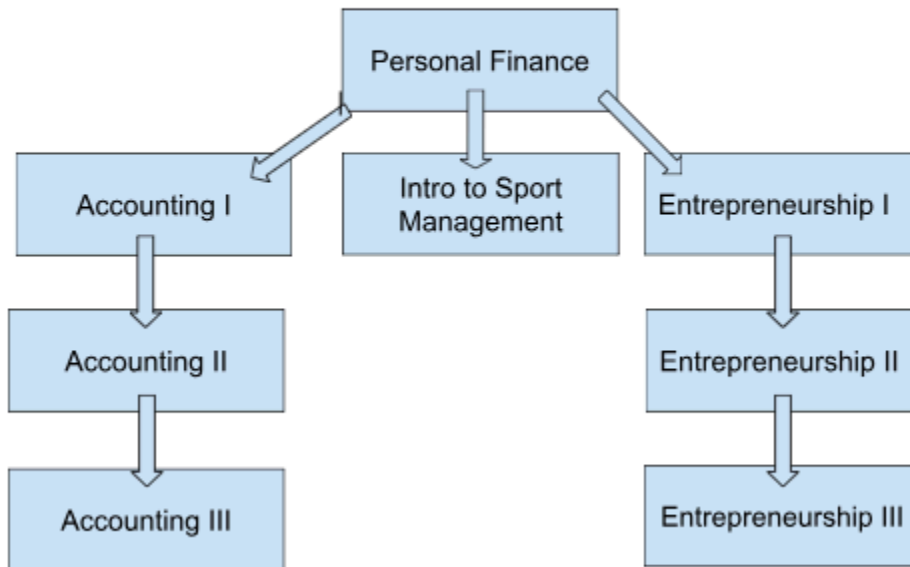
Course Description:

Students enrolled in advanced art courses are required to produce assignments that have artistic merit and will be included in their portfolio. Students will be required to create projects that display a mastery of digital art, including but not limited to pixel and video game art, animation, digital photography, video editing and post processing, 2D and 3D design, rendering, graphic design and 3D printing. Instruction will be provided in the development of educational and vocational goals, digital portfolio, and preparation of a senior show.

BUSINESS DEPARTMENT

Courses in the Business Education Department have three goals: to acquaint students with entry level occupations in business immediately following graduation, to provide students with the opportunity to become financially literate that will be helpful in their daily lives, and to provide a foundation for the further study of business.

BUSINESS COURSE SEQUENCE OPTIONS



Course Name: PERSONAL FINANCE

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): None

Course Description:

This course satisfies the New Jersey State Personal Finance graduation requirement for all students in the class of 2014 and beyond. This course will provide a foundational understanding for making informed personal finance decisions. Real world topics covered will include money management, credit and debt management, planning, investing, and other financial literacy terms and topics. Students will simulate the use of checking and savings accounts, demonstrate knowledge of finance, debt, credit management, and an understanding of insurances and taxes.

Course Name: ACCOUNTING I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

How does a business keep track of their money? How do they know if they are profitable or losing money? Accounting is the way the business world answers these questions. This course is designed as an introduction to accounting basics. Students will learn to keep track of simple business transactions, such as receiving cash for selling a product for a major corporation or buying supplies to operate a local computer repair shop. Students also will have the opportunity to research and study the stock of a company.

Course Name: ACCOUNTING II

Weighted: NO

Eligible Grade Level: 10-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *Accounting I or Teacher recommendation*

Course Description:

Accounting II is designed to build upon the basic accounting principles learned in Accounting I. The course involves an in-depth view of the entire accounting system and focuses on the study of accounting for a merchandising business organized as a partnership. The student will see the development of each accounting step and how this sequence of steps fits into the total business accounting system. This course will prepare students to handle daily business transactions and will provide the background necessary for future study in accounting and business. Google Sheets is employed in many of the applications. Students have the opportunity to research and invest in companies through a simulated stock market game.

Course Name: ACCOUNTING III

Weighted: NO

Eligible Grade Level: 10-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *Accounting II*

Course Description:

Accounting III is designed for the student who has completed Accounting I and II. It focuses on advanced accounting for a merchandising business organized as a corporation. Google Sheets and Google Slides are used for “hands-on” business simulations. Students will study and create financial statements such as balance sheets, income statements, and cash flow statements. Additionally, students will continue to have the opportunity to research and invest in companies through a simulated stock market game.

Course Name: ENTREPRENEURSHIP I: An Introduction to Running Your Own Business

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

Students will identify the fundamentals of business creation, the personal attributes needed to be a successful entrepreneur, and will research various business opportunities. Topics covered include: the characteristics of an entrepreneur, discovering entrepreneurial opportunities, and researching and analyzing domestic, global and market trends. The course culminates with the student developing a hypothetical business plan to implement their unique venture that conforms to all applicable governmental laws and regulations.

Course Name: ENTREPRENEURSHIP II: Becoming Your Own Boss

Weighted: NO

Eligible Grade Level: 10-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *Entrepreneurship I or Teacher recommendation*

Course Description:

Everything you wanted to know about being your own Boss. This is a course designed to build upon the basic principles learned in Entrepreneurship I. It prepares students to run their own business, making the important decisions related to financing, marketing, advertising, and selling. The students will learn to apply Google Applications such as Google Docs, Google Sheets, and Google Slides. Knowledge of these programs will prepare the student to make business decisions.

Course Name: ENTREPRENEURSHIP III: Ideas in Action

Weighted: NO

Eligible Grade Level: 10-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *Entrepreneurship II*

Course Description:

This course completes the cycle with all the knowledge required to be a successful business owner. Entrepreneurship III is designed for the student who has completed Entrepreneurship I and II. Students will learn to identify business opportunities, evaluate risks of market entry, determine the potential profit of a company, find financing, make presentations of a business plan, and select the best promotion techniques. This course focuses on advanced computer techniques such as, computer networking, editing, and analyzing spreadsheets, preparing tables and graphs, billing and receipt control, and business evaluation reports.

Course Name: SPORTS MARKETING

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

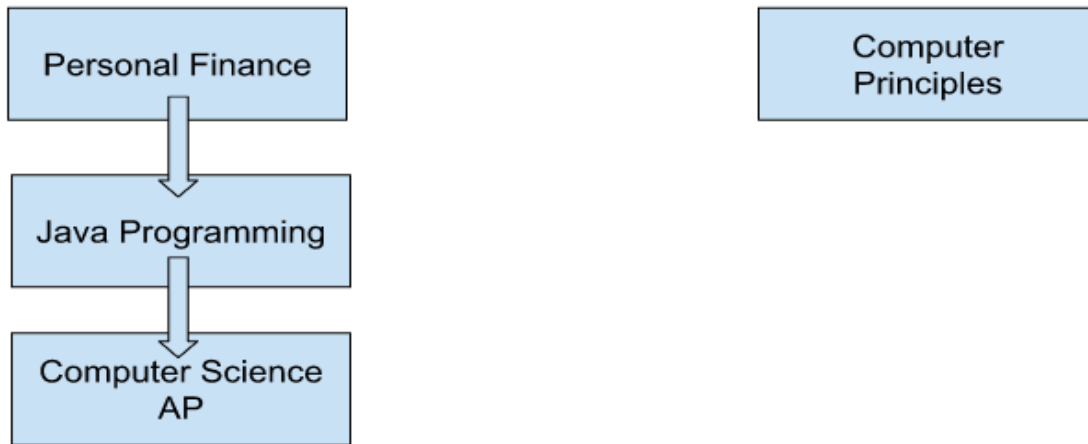
Course Description:

The field of sports and entertainment marketing is rapidly growing. Many colleges, universities, and high schools offer specialized majors and concentrations in these fields. In this course, students will explore the world of sports and entertainment from the perspective of marketing. The functions of marketing and management that are presented are intended to be a guide for students taking their first steps into the exciting world of sports and entertainment. How do these franchises grab hold of the consumer and incorporate themselves in our vernacular? How do Nike, Under Armour, and Gatorade acquire consumers' loyalty? Or how do sports franchises such as the New York Yankees, Dallas Cowboys or Manchester United create and reach a worldwide fan base? We will also take a dive into how college sports are handled at William Paterson University, minor league sports like the Miners, and a tour of MetLife Stadium!

COMPUTER DEPARTMENT

Courses in the Computer Department will help students become technologically literate in the use of computers to process information that is helpful in their daily lives, and to provide a foundation for the further study of Computers. Students will learn the basics of programming with Java and an overall understanding of how computers work with Computer Principles.

COMPUTERS COURSE SEQUENCE OPTIONS



Course Name: COMPUTER PRINCIPLES

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

Computer Principles curriculum is a full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. This class is a great foundation for those who want a better understanding of computers and advancements of technology in today's world. The course covers a broad range of foundational topics such as the internet, web design, computer hardware, digital privacy and security, operating systems, and social media.

Course Name: INTRO TO JAVA PROGRAMMING

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *Algebra and a general working knowledge of computer systems.*

Course Description:

The purpose of this course is to introduce students to the exciting and challenging world of computer programming using the Java programming language. This is an excellent foundation course for those students interested in Advanced Placement Computer Science or engineering. The content covers all basic programming concepts up through conditionals, interactive statements (looping), methods, arrays, basic graphics, and a final comprehensive project.

Course Name: AP COMPUTER SCIENCE A

Weighted: YES

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

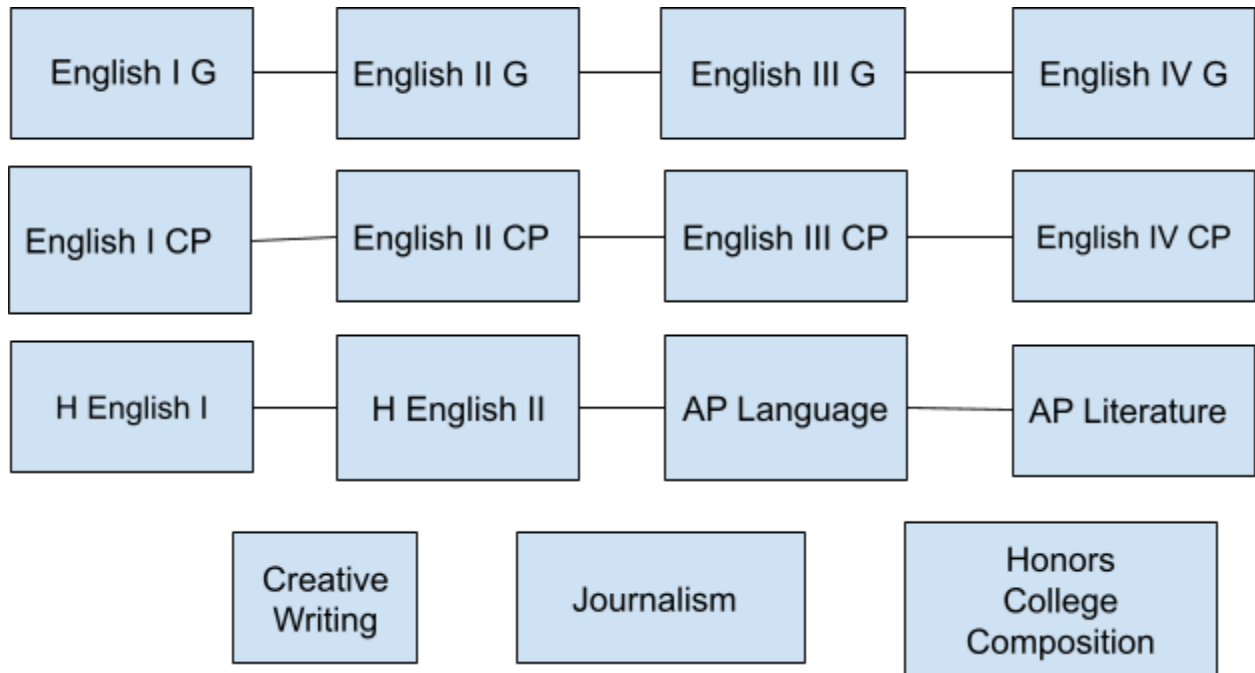
Prerequisite(s): *Intro to Java Programming or Teacher Recommendation*

Course Description:

The goals of an Advanced Placement Level A course in computer science are comparable to those in the introductory sequence of courses for computer science offered in college and universities. It is expected that the students want to take the AP exam in May. Computer Science level A emphasizes programming methodology, concepts, and practices taken from the current AP recommended subset. The language is Java.

ENGLISH DEPARTMENT

The English program is a four-year sequence, which aims to equip students with the essential language competencies necessary in a complex, dynamic world. Courses are offered at three ability levels. Initial level placement for the freshman year is determined by eighth grade teacher recommendations and student performance. Thereafter, student performance within the program becomes the chief criterion for determining changes in level placement. Parents concerned about a level recommendation are invited to discuss their concerns with the appropriate guidance counselor. In all courses at all levels, students can expect challenging experiences with the core activities of reading, writing, speaking, listening and, underlying all, critical thinking. Creative Writing and Journalism are being offered as an enrichment elective.



Course Name: HONORS ENGLISH I

Weighted: YES

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Teacher recommendation*

Course Description:

This course follows the plan for English I, but enhances that course with additional requirements and expectations. Entry requirements include demonstrated ability and accomplishment in 8th Grade English, indication of a desire to take on a more challenging curriculum, and recommendation of the 8th Grade English teacher. Students will be expected to complete additional independent reading, to comprehend materials of a wider range and at a greater depth, and to write frequent papers of greater length and more probing analysis.

****Summer Work Required***

Course Name: ENGLISH I G/CP

Weighted: NO

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This course focuses on establishing the foundation necessary for proficient reading and writing performance. The class is focused on World Literature, using fiction and nonfiction vehicles for emphasizing effective composition, analytical response to literature, collaboration, and discussion techniques. Writing instruction emphasizes the writing process of prewriting, drafting, editing, revising, and publishing for a variety of audiences and purposes. Instruction in support skills such as grammar, usage, and mechanics is stressed within the editing stage. This course begins to address the need for vocabulary both in and out of context. Throughout the year, strategies will be taught in preparation for the NJSLA and SAT testing.

Course Name: HONORS ENGLISH II

Weighted: YES

Eligible Grade Level: 10

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *English I, Teacher recommendation*

Course Description:

This course follows the plan for English II, but enhances that course with additional requirements and expectations. Entry requirements include demonstrated ability and accomplishment in English I, indication of desire to take on a more challenging curriculum, and recommendation of the English I teacher. Students will be expected to complete additional independent reading to comprehend materials of a wider range, at a greater level of depth, and to write more frequent papers of greater length and more probing analysis.

****Summer Work Required***

Course Name: ENGLISH II G/CP

Weighted: NO

Eligible Grade Level: 10

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *English I*

Course Description:

This course builds upon previous instruction in the areas of expository and creative writing, as well as in the support skills area. Instruction in vocabulary will continue, as in the previous year, with emphasis both in and out of context of the reading. In addition, Pre-1900 American Literature will be studied; reinforcing and extending the critical thinking and analytical skills required in reading comprehension. Test taking strategies, as well as incorporating example questions for the NJSLA and SAT tests, are also implemented in this course.

Course Name: AP ENGLISH LANGUAGE AND COMPOSITION (11)

Weighted: YES

Eligible Grade Level: 11

Credits: 5.00

Schedule: Full year

Prerequisite(s): *English II, Teacher recommendation*

Course Description:

The Advanced Placement (English Language and Composition) is similar to the freshmen college English composition course. The course places emphasis on the following: to analyze and interpret samples of good writing, to identify and explain an author's use of rhetorical strategies and techniques; to apply effective strategies and techniques in their own writing; to create and sustain arguments based on readings, research, and/or personal experience, produce expository, analytical, and argumentative compositions that introduce a complex central idea and develop it with appropriate evidence drawn from primary and /or secondary source material and cogent explanations; and to demonstrate an understanding of the conventions of citing primary and secondary source material. The students will move beyond the programmatic responses of the five-paragraph essay; instead, they will place the concentration on content, purpose, and audience, which will allow this focus to guide their organization. The readings will include a variety of prose, both fiction and nonfiction. Students will be prepared for the specific requirements of the Advanced Placement English Language and Composition examination in the spring. The students are expected, but not required, to take the AP exam.

****Summer Work Required***

Course Name: ENGLISH III G/CP

Weighted: No

Eligible Grade Level: 11

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *English II*

Course Description:

This course continues to instruct students in American literature, focusing on Post-1900. Additionally, the literary studies serve as vehicles for strengthening and refining the critical and expressive competencies introduced during the previous two years. Emphasis on the vocabulary instruction continues as in the previous two years. In preparation for the SAT tests, there will be an intense review of the testing areas. College entrance essays will be taught and completed during the second half of this course.

Course Name: AP ENGLISH LITERATURE (12)

Weighted: YES

Eligible Grade Level: 12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Teacher recommendation*

Course Description:

The Advanced Placement (English Literature and Composition) is an enhanced version of AP English 11 course, with its main focus on fiction rather than nonfiction. Students acquire an extensive literary vocabulary base; and refine their skills in literary interpretation and evaluation. Major works of British literature will be studied, and students will be prepared for the specific requirements of the Advanced Placement Literature and Composition examination in the spring. Students are expected to read independently, as well as write essays exhibiting college level depth, breadth, and skill, and complete more substantive and extended reading than students in English 12. Students are expected, but not required, to take the AP examination.

****Summer Work Required***

Course Name: ENGLISH IV G/CP

Weighted: NO

Eligible Grade Level: 12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *English III*

Course Description:

This course applies the principles of critical analysis and literary appreciation to selected works focused on British Literature. Instruction, especially writing instruction, encourages students to extend their language competencies through challenging assignments of significant and appropriate complexity. Instruction in vocabulary, both in and out of context, is still stressed as in the previous three years. College essays are developed and refined during this course.

Course Name: HONORS COLLEGE COMPOSITION

Weighted: YES

Eligible Grade Level: 12

Credits: 5.0

Schedule: Full Year

Prerequisite(s): *Teacher recommendation*

Course Description:

The purpose of this two-part elective course is to offer any senior student (who has earned a 450 critical reading score on the SAT or passed the Accuplacer Assessment) the opportunity to earn 6 undergraduate credits from Sussex County Community College with the opportunity to transfer credits to four-year colleges. Students who enroll will not have to take English IV. Assessments will include short responses, essays, documented essays, and portfolio.

The first half of the course will enable students to use writing to empower them in their academic, professional, and personal development. Through intensive writing, students will learn to write clearly focused, developed, organized and analytical essays in response to contemporary intellectual, social, and cultural issues that confront our society. The second half of the course will emphasize the writing process as students study works of fiction, poetry, and drama in order to improve their writing and their understanding and appreciation of complex literary texts.

****Summer Work Required***

Course Name: JOURNALISM

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

Journalism is an elective course designed to create news for the school's newspaper, *The Valley Voice*. To that end, students learn the role of an investigative reporter and write articles about the news that is occurring in the school and in the surrounding communities. Students learn the various techniques for interviewing and how to write various types of articles, such as editorials, news features, human interest stories, movie and book reviews, food reviews, play reviews, personality profiles, and sports articles. Work is done in the class as well as outside the class when deadlines are near. The newspaper is published using Google Sites and is accessible through the school's website. Students will be responsible for maintaining and updating the digital publications. The goal of the class is to produce one newspaper each month.

Course Name: CREATIVE WRITING

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

Creative Writing is an elective course designed to increase a student's ability to exercise the imagination and express themselves through the written word. Students will learn how to write autobiographies, business letters, short stories, children's books, poems, and other unique forms of writing. Students will conduct and participate in a variety of writing contests throughout the year. Engaging in the writing process to produce organized and developed ideas will be emphasized, as well as the opportunity to reflect, revise, and edit writing in order to recognize strengths and weaknesses. Sharing ideas is essential to this course.

FAMILY AND CONSUMER SCIENCE DEPARTMENT

The Family and Consumer Science Department is a comprehensive department designed to assist students in developing the core knowledge and skills needed to manage their lives. Emphasis is on leadership, human development, family and parenting education, nutrition, & career preparation. Our FACS courses will provide students with experiences in Child Development and offer value for all students.

Course Name: INTRO TO EARLY CHILDHOOD EDUCATION

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This is an introductory course which presents an overview of early childhood education. Students will examine theories of development, different models and approaches to early childhood, and developmentally appropriate practices. Any student thinking of a career working with young children would benefit from this course.

Course Name: CHILD CARE INTERNSHIP

Weighted: NO

Eligible Grade Level: 12

Credits: 5.00

Schedule: Full Year

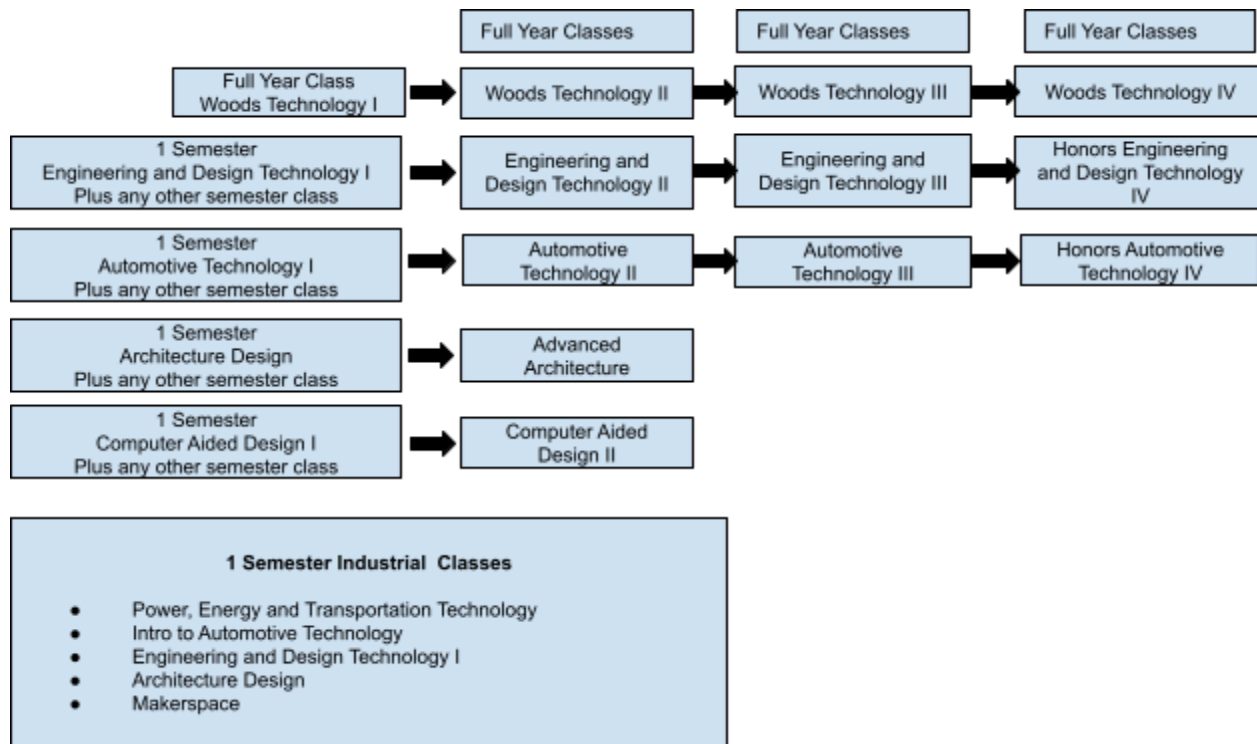
Prerequisite(s): *Intro to Early Childhood Education and Teacher recommendation*

Course Description:

This course is designed to help students apply the interpersonal and theoretical skills developed in the classroom through field experience.

INDUSTRIAL ARTS

The Technology Education department offers a wide variety of elective courses designed to help students become technologically literate and gain the ability to learn and cope with a rapidly changing world. Courses in automotive technology, woodworking technology, and engineering are designed to meet the needs and interests of students who are willing to work with their hands as well as their minds. The courses will provide students with experiences that will assist them in career decisions.



**The proposed curriculum map with first-level half-year courses. In order to get to the second level (full year) the first-level (1 semester) class must be completed in the row.*

Course Name: ENGINEERING AND DESIGN TECHNOLOGY I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

Engineering and Design Technology I is a class designed to give students experience in the field of Science, Technology, Engineering and Math (STEM). Students will use problem solving and design skills through a variety of activities to solve “real-world” engineering “problems”. Internet research, basic hand sketches, along with documentation give the student an entry-level understanding of how Engineers translate their ideas from paper to assembly. Computer software in conjunction with 3-D printers, and various tools help students fabricate their prototypes in teams to build working solutions of their designs. Engineering disciplines include, but are not limited to: Civil, Mechanical, Aeronautical, and Electrical.

Course Name: ENGINEERING AND DESIGN TECHNOLOGY II

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Engineering and Design Technology I or teacher recommendation.*

Course Description:

Engineering and Design Technology II is a continuation of Engineering and Design Technology I. This class is designed to build on the experience of the previous class with projects that are more complex and more challenging. Mechanical, Civil and Electrical engineering problems will be the core of the projects. The class will allow students to have more time to apply engineering concepts learned in the first level to develop working projects. Students will also begin to develop a graduation portfolio as well. Statewide student STEM competitions will be entered as part of the course.

Course Name: ENGINEERING AND DESIGN TECHNOLOGY III

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Engineering and Design Technology II or Teacher recommendation*

Course Description:

Engineering and Design Technology III is for the students that are considering exploring Engineering as a career. ED&T III builds on the skills that were developed in the first two courses. Also, students will be challenged to solve problems using advanced methods along with structured documentation portfolios aligning with what Engineering colleges use today.

Course Name: HONORS ENGINEERING AND DESIGN TECHNOLOGY IV

Weighted: YES

Eligible Grade Level: 12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Engineering and Design Technology III or Teacher recommendation*

Course Description:

This capstone course will challenge students to apply the foundations of physical technology into the design, programming, construction, and manipulation of complex technological systems. The course will challenge students to apply several STEM (Science, Technology, Engineering, and Mathematics) skills in order to address a variety of real world problems using sophisticated forms of technology. Mastery of electronic control systems, kinematics and forces, machine design (fasteners, gears, pulleys, belt drives), safety and construction techniques, and computer programming are essential. Students will continue to master their ability to think critically, problem solve, collaborate, and communicate with others in order to meet the demands of each challenge. Opportunities to compete on regional and state levels will be available and participation is expected. Students will serve as mentors, discuss college/career options, and will complete the graduation portfolio of their work.

Course Name: ARCHITECTURAL DESIGN

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

Learn about residential construction methods and design fundamentals by drawing residential plans, constructing models/prototypes, and presenting and defending your design solutions. Students interested in pursuing architecture, interior design, the building trades, and/or real estate sales will find this course beneficial. The students will gain an understanding of preparing floor plans, renderings, and elevations using Autodesk Revit and traditional AutoCAD.

Course Name: ADVANCED ARCHITECTURAL DESIGN

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Architectural Design*

Course Description:

Advanced Architecture Design is designed for students who may be considering post-secondary educational programs or employment in related areas. This course provides a review of basic construction methods and design fundamentals. The students will gain an advanced understanding of preparing floor plans, renderings, and elevations using traditional, as well as computer-aided design (CAD) methods. The students develop and create residential and commercial plans along with constructing models/prototypes. This course will enhance the students' awareness of various facets within the architectural field including construction techniques, historical perspectives, landscape design, architectural styles, building codes, and structural design. Skills in communication, presentations, mathematics, science, leadership, teamwork, and problem solving are reinforced. Students will prepare a portfolio to present their architectural skills and designs in a professional, efficient, and accurate manner.

Course Name: COMPUTER AIDED DESIGN II (CAD)

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Computer Aided Design I or teacher recommendation.*

Course Description:

This second year course expands upon introductory level concepts from CAD 1 and allows students to prototype and manufacture parts and products using a variety of cutting edge technologies. Students will utilize design thinking to generate solutions to technological problems, as well as, learn how to take their ideas from concept to reality. Students will leave the class with competencies in additive manufacturing (3D printing), 2D cutting (laser), CNC machining (Mill).

Course Name: MAKERSPACE

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.0

Schedule: Full year

Prerequisite(s): None

Course Description:

This hand-on elective invites students to transform their creative idea into physical reality. In Makerspace, the classroom becomes a workshop where “learning by doing” is the rule. Students will explore a wide variety of tools and technologies - ranging from traditional woodworking and crafting to high-tech 3D printing and CAD

Course Name: POWER, ENERGY AND TRANSPORTATION TECHNOLOGY I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

This course is designed to introduce students to various power, energy and transportation systems. Power systems, land, and marine transportation technology will also be addressed. A heavy emphasis on alternative fuels, including solar hydrogen, diesel, electric and ethanol will be discussed. Students will work with simulated, hands-on activities, acquiring knowledge in order to solve real life situations.

Course Name: WOODS TECHNOLOGY I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.0

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This course is an introduction to the world of manufacturing and construction, and is the first class in the Woods Technology series. Students will work with a variety of materials, such as woods, metals and plastics while gaining the know-how to safely use many hand tools and operate different machines in the shop. This hands-on, project-based class will have students building and finishing small projects with a focus on how things are made in the industry today. Woods Technology I will be the first in a series of courses that will lead students into using the CNC machinery.

Course Name: WOODS TECHNOLOGY II

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Teacher recommendation*

Course Description:

Wood Technology II is designed to give the student who enjoys working with their hands an experience in carpentry and mass production techniques. Students learn to design, build, and finish numerous projects with attention to detail and precision using a variety of manufacturing technologies. Students will learn about construction practices regarding house building and will explore mass production processes. Students will employ critical thinking skills and their acquired knowledge to strengthen research and preparation, justify material choices, and defend fabrication and fastening techniques.

Course Name: WOODS TECHNOLOGY III

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Teacher recommendation*

Course Description:

Woods Technology III is the third course in the Woods Technology series. This advanced course provides students with the opportunity to further develop their skills and knowledge gained in Woods Technology I and II. In Woods Technology III students will explore the construction process of cabinet making and furniture making, while designing, building, and finishing projects of their own. Emphasis will be placed on safe construction and the finishing processes.

Course Name: WOODS TECHNOLOGY IV

Weighted: NO

Eligible Grade Level: 12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Teacher recommendation*

Course Description:

The fourth-year woodworking student will participate in an independent study-like course. They will have the opportunity to expand their interests in the construction field and manufacturing systems. Students will select a major woodworking project, cabinet or furniture, and design, construct and finish it throughout the year. As always, emphasis will be placed on safe construction and finishing processes.

Course Name: INTRO TO AUTOMOTIVE TECHNOLOGY

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

Intro to Auto Technology is one of the first in a sequence of four courses for Automotive Technology, offering students the opportunity to learn about small engine technology, including servicing and repairs. Some of the major areas covered are automotive shop safety, tools and fasteners, and modern small engine technology found in lawn care and landscaping. The second half of this course will also offer a basic introduction to maintaining automobiles, which includes checking fluids, tire pressure, light bulbs and some of the systems found on modern automobiles. Experiences include consistent and practical hands-on work through project-based learning.

Course Name: AUTOMOTIVE TECHNOLOGY II

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Introduction to Automotive Technology*

Course Description:

Auto Technology II is the second in the sequence of four courses for Automotive Technology, offering students the opportunity to learn about routine automotive maintenance and repairs. This class is designed to let students explore routine preventative maintenance, basic brakes, and steering/suspension systems. Students will have the opportunity to learn how to perform basic automotive maintenance tasks including oil and filter changes, engine belt replacements, tire rotations, replacing various filters found on modern automobiles, replacing common lights, and performing basic brake service and repairs. Experiences include consistent and practical hands-on work through project-based learning.

Course Name: AUTOMOTIVE TECHNOLOGY III

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Automotive Technology II/Teacher Recommendation*

Course Description:

The third-year automotive technology course is an advanced course in automobile service and repair. This course will focus more on individual power-systems including engine rebuilding, transaxles, and differential service. Students will also explore anti-lock brakes, steering, and suspension systems in depth. Students will continue to work with hands-on projects and learn more about the systems covered previously.

Course Name: HONORS AUTOMOTIVE TECHNOLOGY IV

Weighted: YES

Eligible Grade Level: 12

Credits: 10.00

Schedule: Full Year

Prerequisite(s): *Teacher Recommendation (Note: Eligible students in their Senior year may enroll in Auto III and IV upon Teacher recommendation, and completion of Auto II).*

Course Description:

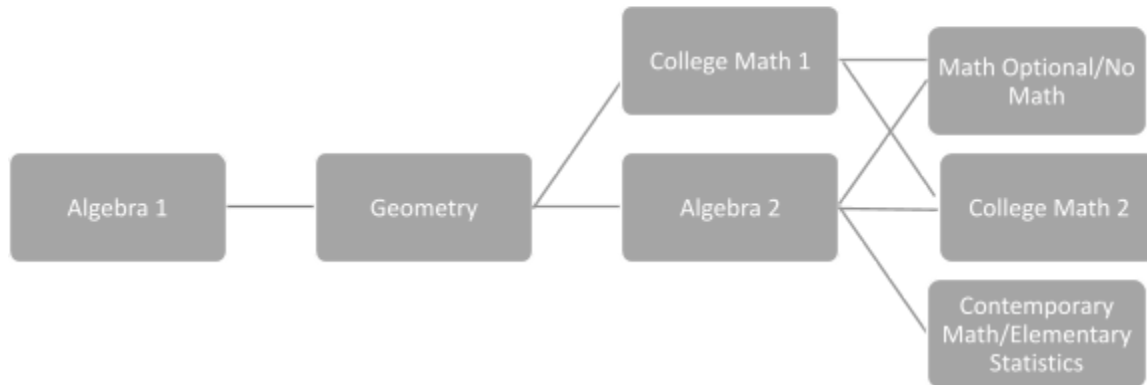
Automotive Technology IV is an advanced course designed to meet the needs of students with a serious interest in automotive repair and servicing, preparing them for entry-level jobs and post-secondary training. This course utilizes prior learned skills and techniques to work on vehicles of the auto shop and school community. With more emphasis in vehicle electrical and electronics, students will work on all systems found in modern automobiles, and will also utilize diagnostic equipment to solve emissions-related driveability concerns. Students may also work on their own cars and projects of their choice, utilizing web-based service information.

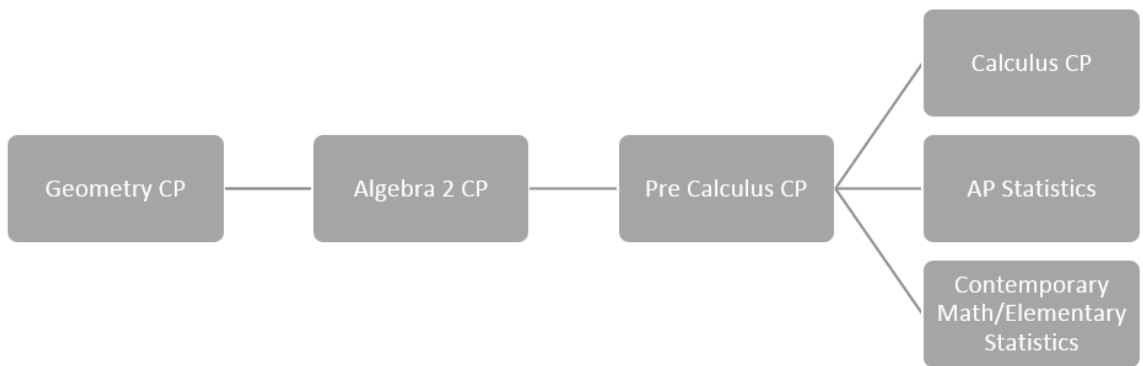
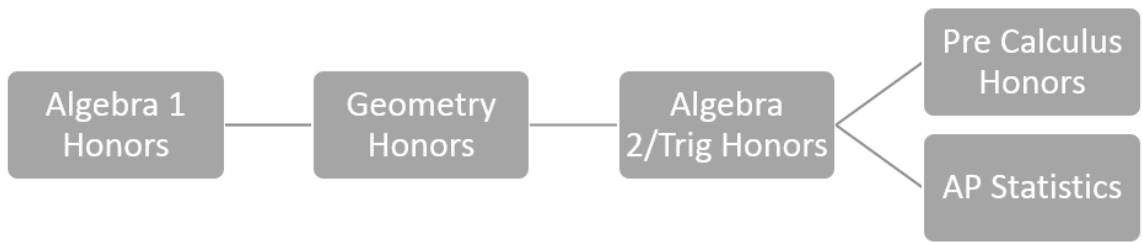
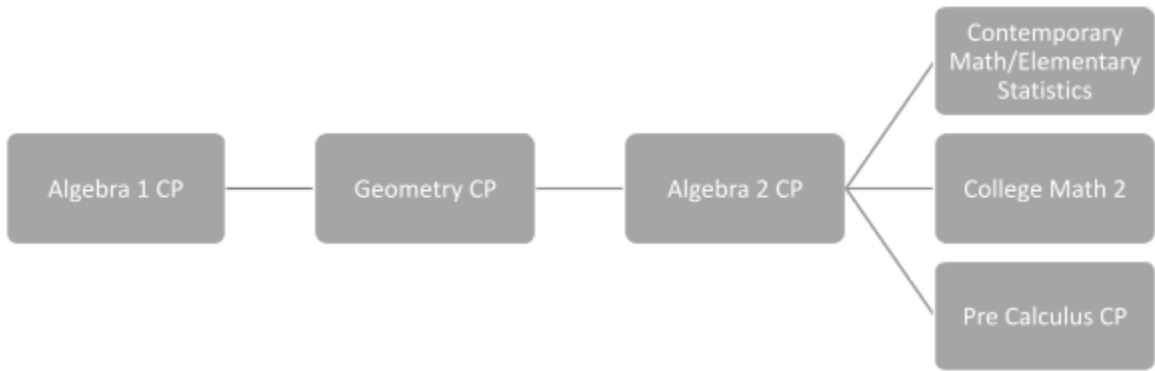
MATHEMATICS DEPARTMENT

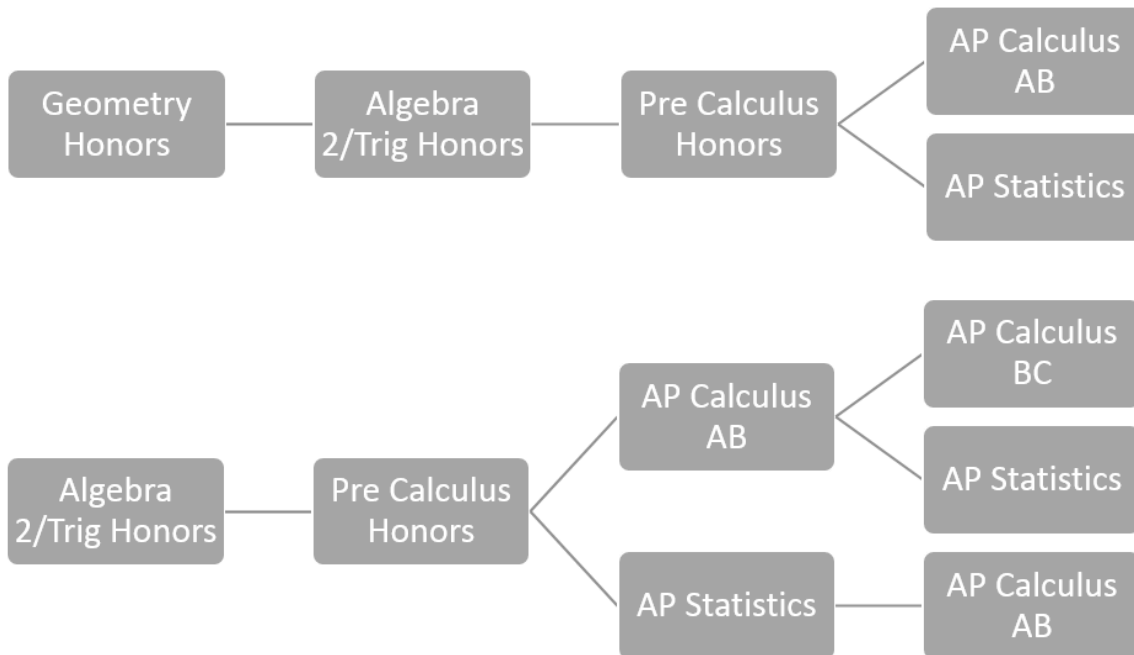
The Mathematics curriculum is designed to provide an opportunity for the student to be involved in a program in which he or she is challenged and in which he or she can experience success. The principle goal of mathematics instruction is that each individual will be able to recognize a problem, analyze it, and seek a logical solution. Through a sequence of mathematical experiences, the student should learn the fundamentals of arithmetic and reasoning, while also appreciating the contributions of mathematics to our society.

If a student does not meet the requirements and/or prerequisites for a course, the only way to be admitted into the class is through departmental approval from the supervisor.

MATHEMATICS COURSE SEQUENCES







Course Name: ALGEBRA I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Placement test results and Teacher recommendation*

Course Description:

This course is designed to focus more on computational skills with less-intensive problems and a focus on more practice. The students study expressions and equations involving fractions, decimals, and percents as well as graphing functions, linear equations and inequalities, systems, exponents, radicals and polynomial expressions, quadratic equations, and transformations of functions. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid. Additional emphasis will be placed on the NJ state assessment to provide students with as much content mastery as possible to pass and fulfill state graduation requirements.

Course Name: ALGEBRA I CP

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Placement test results and Teacher recommendation*

This course includes all topics covered in Algebra 1 with a more intense pace and more of a focus on real-world applications and word problems. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid. Additional emphasis will be placed on the NJ state assessment to provide students with as much content mastery as possible to pass and fulfill state graduation requirements.

Course Name: HONORS ALGEBRA I

Weighted: YES

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Placement test results and Teacher recommendation*

Course Description:

This course includes all topics covered in Algebra I CP at a rigorous pace with conceptual analysis and applications. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid. Additional emphasis will be placed on the NJ state assessment to provide students with as much content mastery as possible to pass and fulfill state graduation requirements.

Course Name: GEOMETRY

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): Algebra I

Course Description:

This course is designed to focus more on basic geometric concepts and a focus on more practice. The students study points, lines, planes, constructions, parallel and perpendicular lines, congruent triangles, relationships in triangles, similar polygons, right triangles and trigonometry, quadrilaterals, transformations, circles, areas, and volumes. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid. Additional emphasis will be placed on the NJ state assessment to provide students with as much content mastery as possible to pass and fulfill state graduation requirements.

Course Name: GEOMETRY CP

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Algebra I CP or Algebra I with Teacher recommendation*

Course Description:

This course includes all topics covered in Geometry with a more intense pace and a higher focus on proofs and more challenging algebraic concepts. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid. Additional emphasis will be placed on the NJ state assessment to provide students with as much content mastery as possible to pass and fulfill state graduation requirements.

Course Name: HONORS GEOMETRY

Weighted: YES

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Algebra I H or Algebra I CP and Teacher recommendation*

Corequisites: *Course may be taken concurrently with Algebra I H or Algebra II/Trig Honors*

Course Description:

This course includes all topics covered in Geometry CP at a rigorous pace with assignments being more extensive and algebraically intensive. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid. Additional emphasis will be placed on the NJ state assessment to provide students with as much content mastery as possible to pass and fulfill state graduation requirements.

****Summer work may be required***

Course Name: ALGEBRA II

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Geometry*

Course Description:

This course is designed to focus more on computational skills with less-intensive problems and a focus on more practice. The students will develop a basic understanding of linear functions, quadratic functions, polynomial functions, rational exponents, radical numbers, exponentials and logarithmic functions, rational functions, sequences and series, probability, and trig ratios and functions. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid. Additional emphasis will be placed on the NJ state assessment to provide students with as much content mastery as possible to pass and fulfill state graduation requirements.

Course Name: ALGEBRA II CP

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Geometry CP or Geometry with Teacher recommendation*

Course Description:

This course includes all topics covered in Algebra II with a more intense pace and deeper understanding of all topics, in addition to matrices and complex numbers. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid. Additional emphasis will be placed on the NJ state assessment to provide students with as much content mastery as possible to pass and fulfill state graduation requirements.

Course Name: HONORS ALGEBRA II/TRIGONOMETRY

Weighted: YES

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Geometry and Teacher recommendation*

Course Description:

This course includes all topics covered in Algebra II CP at a rigorous pace with advanced topics in Algebra and Trigonometry. Additional topics will be covered such as recursive functions, closed-formed formulas, and the unit circle Trigonometry. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid. Additional emphasis will be placed on the NJ state assessment to provide students with as much content mastery as possible to pass and fulfill state graduation requirements.

****Summer work may be required***

Course Name: PRECALCULUS CP

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Algebra II CP*

Course Description:

This course is designed for students who have demonstrated a strong understanding of math and science skills and plan on pursuing a career in STEM/Medical fields. It organizes high school mathematical learning into a powerful tool for future progress and is particularly helpful as a basis for future study of calculus. This course emphasizes a deeper study of many topics from Algebra II CP, including function transformations and their graphs, linear functions, logarithmic functions, trig functions and their identities, complex numbers, rational and irrational equations, and periodic functions. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid.

Course Name: HONORS PRECALCULUS

Weighted: YES

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Honors Algebra II/Trig with Teacher recommendation*

Course Description:

This course includes all topics covered in Precalculus CP in addition to vectors, parametric equations, and polar equations. Students will be introduced to calculus concepts, such as limits and derivatives. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid.

****Summer work may be required***

Course Name: CALCULUS CP

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisites: Precalculus CP

Course Description:

This course is an introduction to calculus with an extensive overview of precalculus concepts. This course will be a more informal, less rigorous approach to the study of the principles and concepts of calculus, including limits, differentiation, applications of differentiation, integrals, and applications of integrals. This course will not prepare students for the Advanced Placement Examination. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid.

Course Name: AP CALCULUS AB

Weighted: YES

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Honors Precalculus or Calculus CP with Teacher recommendation*

Course Description:

The objective of the course is to prepare the student for the AB level Calculus AP exam designed by The College Board. Content includes a multi-representational approach to calculus, with concepts, results and problems being expressed graphically, numerically, analytically, and verbally. Additional topics include limits, derivatives, and applications of both algebraic and transcendental functions as well as methods and applications of integration. Only students who have demonstrated a strong understanding of Precalculus should be encouraged to take this course. Students enrolled in AP classes are expected to take the AP exam. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid.

****Summer work may be required***

Course Name: AP CALCULUS BC

Weighted: YES

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Calculus CP or AP Calculus AB*

Course Description:

This course is an extension of Calculus AB with common topics requiring similar depth of understanding. Content for this course includes techniques of integration, polar coordinates, series, complex variables, and differential equations. Students successfully completing this course will be prepared to take Calculus 3 their first year in college. This course also prepares students for the AP Calculus BC Exam designed by The College Board. Students enrolled in AP classes are expected to take the AP exam. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid.

****Summer work may be required***

Course Name: AP STATISTICS

Weighted: YES

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Algebra II CP, Honors Algebra II/Trig, Precalculus CP, or Honors Precalculus and Teacher recommendation*

Course Description:

This course is a first-year college course in statistics. The objective for this course is to prepare the student for the Statistics AP exam. It will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to broad conceptual themes, such as exploring one and two variable data, collecting data, probability, sampling distributions, and inferences for categorical and quantitative data. Students enrolled in AP classes are expected to take the AP exam. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid.

****Summer work may be required***

Course Name: CONTEMPORARY MATH / ELEMENTARY STATISTICS

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Algebra II, Algebra II CP, or Precalculus with Teacher recommendation*

Course Description:

The purpose of this two-part elective course is to offer any junior/senior student the opportunity to earn 6 undergraduate credits from Sussex County Community College with the opportunity to transfer credits to four-year colleges.

Contemporary Math surveys several basic concepts of mathematics designed to give students an understanding of the breadth of mathematics in areas other than computational application. Topics include: logic, financial management, geometry, measurement, counting methods, probability, and statistics.

Elementary Statistics includes the following topics: organization of data, measures of central tendency and dispersion, probability, the normal and binomial distributions, confidence intervals, hypothesis testing, analysis of variance, and correlation. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid.

Course Name: COLLEGE MATH I

Weighted: NO

Eligible Grade Level: 11

Credits: 5.00

Schedule: Full Year

Prerequisites: *Geometry and Algebra 1*

Course Description:

College Math 1 is designed to build on student's knowledge on Algebra and Geometry concepts. This course will strengthen students' understanding of key mathematical concepts and extend their knowledge. The curriculum includes Linear Functions, Data Analysis, and Reasoning topics. Students will explore practical applications of mathematics through projects, practice, and discussions. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid.

Course Name: COLLEGE MATH II

Weighted: NO

Eligible Grade Level: 12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Algebra II, Algebra II CP, College Math I*

Course Description:

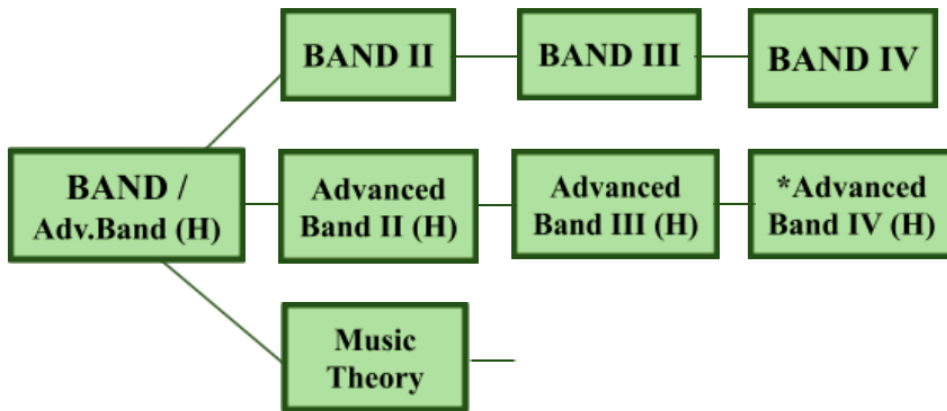
Introduction to College Math is designed to prepare students for college-level mathematics. This course will strengthen students' understanding of key mathematical concepts from Algebra I, Geometry, and Algebra II. The curriculum also includes new topics, such as geometric solids, probability, and statistics. Students will explore practical applications of mathematics through projects, practice, and discussions. Graphing calculators (TI-84 CE) are used extensively to incorporate a technological aid.

MUSIC DEPARTMENT

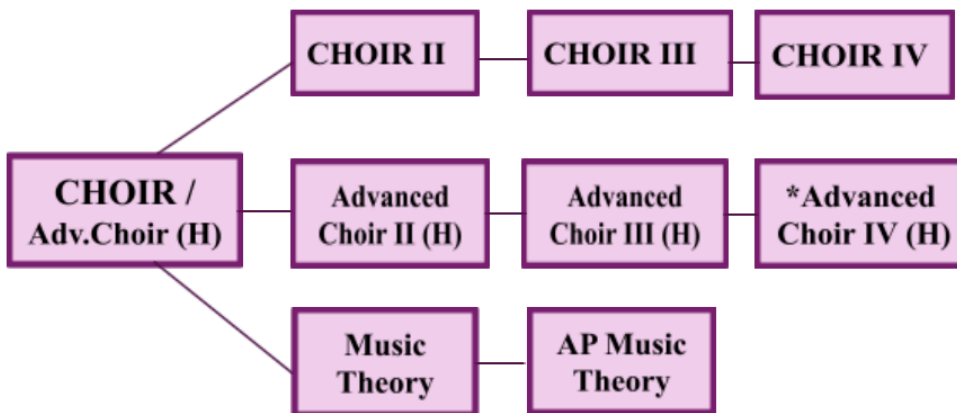
The overall music program of the Wallkill Valley Regional High School District provides students with the opportunity to gain an appreciation of their musical heritage and to develop a sense of aesthetic awareness through goals that were developed by the New Jersey Music Educators Association.

These goals include:

1. To acquire the skills necessary to solve a musical problem or task effectively.
2. To acquire an awareness of our musical heritage and an understanding of the role of the arts in history.
3. To respond to music intellectually in order to develop critical aesthetic judgment.
4. To acquire the skills necessary for continuing musical education or employment.
5. To acquire the ability and the desire to express himself/herself creatively in music and to appreciate the aesthetic expression of other people.
6. To develop an understanding of his/her own worth, ability, potentialities, and limitations through music.



**Honors weight will only be given in Honors Advanced Band IV.*



**Honors weight will only be given in Honors Advanced Choir IV.*

Semester Courses- ½ year

Intro to Guitar

Musical Theater

Course Name: BAND

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

Band is designed to develop skills of instrumental music performance, knowledge, and appreciation. The Concert Band repertoire is varied. Standard literature, as well as more popular music, will be studied and performed. The following areas will be emphasized: good tone production, breath control, support, intonation, dynamics, articulation, rhythmic facility, technical facility, phrasing, and balance, knowledge of terminology, general musicianship and sight reading. Included are period long small-group instrumental lessons scheduled on a rotating basis. Students in the course are expected to perform in several concerts throughout the year and are eligible to play in various small ensembles.

Course Name: INTRO TO GUITAR

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.5

Schedule: Half Year

Prerequisite(s): *None*

Course Description:

Intro to Guitar is a class designed for students who have limited experience on the guitar. Students will learn the fundamentals of playing guitar, including parts of the instruments, the history of the guitar, reading standard and tablature notation, and proper playing technique. The course will also cover different guitar genres such as classical, blues, rock, and others. Musical Theory topics such as scales, key, and chord progressions will also be taught.

Course Name: CONCERT CHOIR

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This beginning Concert Choir class is geared toward beginners who are still learning to sight-read and blend in a choral rehearsal. They will spend a lot of time developing musicianship skills, basic music theory, music history, and vocal production. This is a non-auditioned class, which studies various types of literature and performs at all of our major concerts throughout the year. Students will have the opportunity to express themselves through the singing of choral music.

Course Name: ADVANCED CHOIR HONORS

Weighted: YES

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Teacher recommendation/Audition only*

Course Description:

Advanced Select Choir's enrollment is by audition and/or teacher recommendation. These extremely talented young men and women will go through an audition process to make it into this ensemble. This course is designed for students who wish to broaden their musical knowledge as well as improve their performance level. Students will be required to put in many hours of rehearsal, both in and out of class. Students are expected to have mastered all the basics of vocal production. Concentration will be placed on preparing music majors for auditions, listening skills, sight-reading, varied repertoires, vocabulary, creative exercises, performance and assessment strategies, all at an advanced level. The Advanced Choir performs at evening concerts, festivals, community events, and graduation. Students are encouraged to participate in All-County, Region, and All-State Choirs. ****This course may be taken multiple times for additional credits *Honors Credit will only be given upon completion of the fourth year of Advanced Choir.***

Course Name: MUSIC THEORY

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Teacher recommendation, 1 year of Band/Choir*

Course Description:

This course is designed for the student interested in gaining an understanding of the concepts necessary to read and write music. Emphasis will be placed on note names and note values, rhythms, chord structures and progressions, musical intervals and ear training, and basic keyboarding skills. Students will listen to and analyze the music of others, as well as create and perform their own compositions.

Course Name: ADVANCED BAND HONORS

Weighted: YES

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Teacher recommendation/Audition only*

Course Description:

Students need to successfully audition to be a part of the Wind Ensemble. Wind Ensemble is our Honors level instrumental ensemble. In addition to the concepts learned in Concert Band, the students in Wind Ensemble will be further challenged in the instrument studies by being challenged with more difficult music, being more independent on their part, and will be strongly encouraged to audition for honors ensembles outside of school (County Band, Area/Region/All State Band). Students in the Wind Ensemble will be eligible for consideration to play in the pit orchestra of our spring musical. ****This course may be taken multiple times for additional credits. *Honors Credit will only be given upon completion of the fourth year of Advanced Band***

Course Name: MUSICAL THEATER

Weighted: NO

Eligible Grade Level: 9-12

Credits: 2.50

Schedule: Half Year

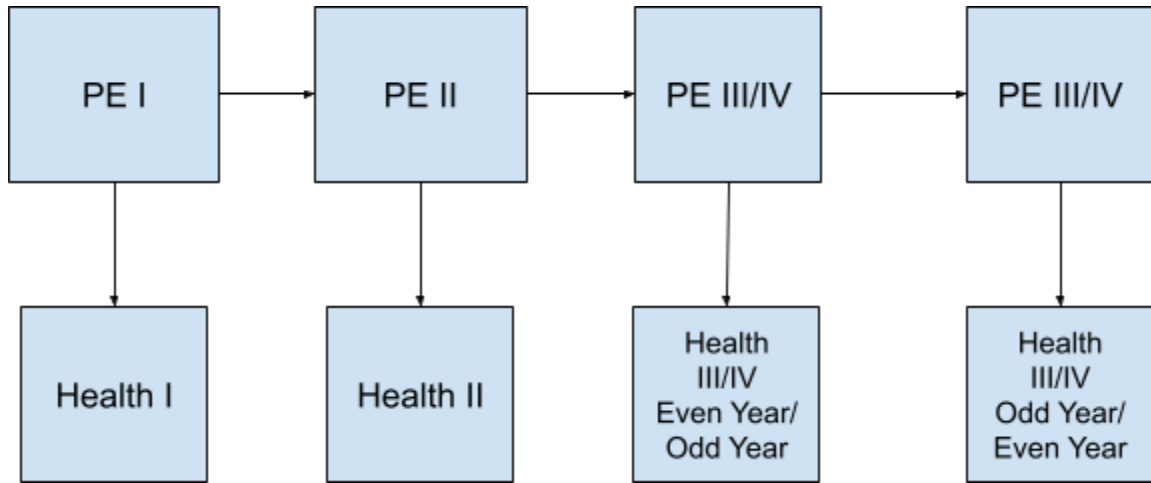
Prerequisite(s): *None*

Course Description:

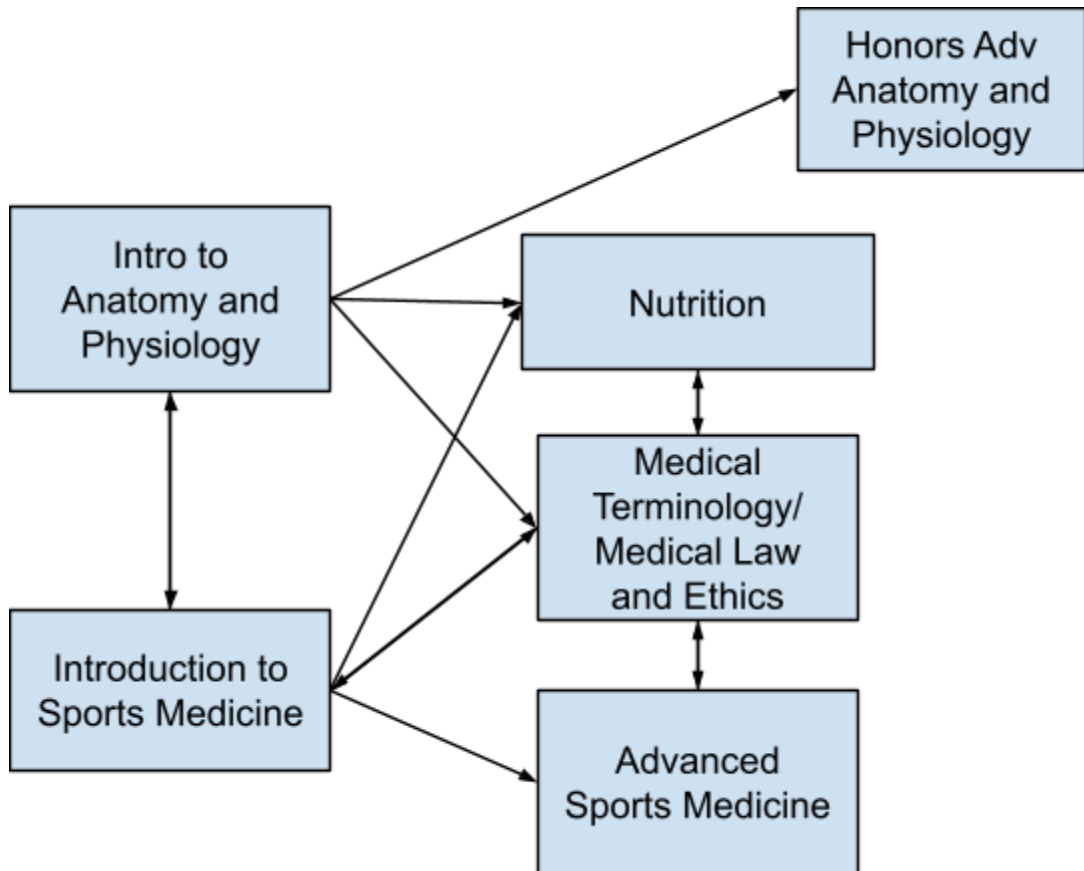
Musical Theatre class is an exploration of American Musical Theatre. Students will study the work of the actor/singer/dancer and use their gained knowledge to develop as performers. Students will prepare and present as soloists as well as members of small groups and larger ensembles. Students will prepare material for class presentation and critique. There will also be a focus on the audition process as well as musical theater history and repertoire. Students will also learn the technical aspects of musical theater including, but not limited to sound, lighting, set design/construction, stage management, set painting, hair & makeup, and prop construction. Students will use the knowledge from this course to help with the school musical. Musical Theatre provides training with a concentrated focus in acting, dance, music and tech preparing students to work in the musical theater industry.

PHYSICAL EDUCATION & HEALTH DEPARTMENT

PHYSICAL EDUCATION & HEALTH MAPPING



HEALTH SCIENCE COURSE MAPPING



Course Name: PHYSICAL/HEALTH EDUCATION I

Weighted: NO

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

Physical Education 9 emphasizes motor skill development and health and skill-related fitness concepts. Students will participate in a wide variety of developmentally appropriate activities that will help develop and maintain a healthy lifestyle. Four activities will be taught each marking period, and they will include a balance of team and individual sports, with instruction focusing on skill development, refinement, cooperation, team-building, social skills, and game play for each activity. Activity-related fitness strategies will be integrated throughout each topic of study. Health 9 includes the following curriculum topics: stages of health and wellness, including physical, mental, emotional and social health, nutrition, fitness, lifestyle diseases, drugs and alcohol, body image, reproductive system, and an introduction to sexuality and family life.

Course Name: PHYSICAL EDUCATION/DRIVERS THEORY

Weighted: NO

Eligible Grade Level: 10

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *PE/Health I*

Course Description:

Physical Education 10th grade emphasizes motor skill development, health, and skill-related fitness concepts. Students will participate in a wide variety of developmentally appropriate activities that will help develop and maintain a healthy lifestyle. Four activities will be taught each marking period, and they will include a balance of team and individual sports, with instruction focusing on skill development, refinement, cooperation, team-building, social skills, and game play for each activity. Activity-related fitness strategies will be integrated throughout each topic of study. This course is designed to familiarize students with the concepts, procedures, and laws pertaining to driving in the state of New Jersey set forth by the New Jersey Motor Vehicle Commission (NJMVC). The class will introduce students to the Graduated Driver's License (GDL) Program and the processes involved in obtaining a Driver's Permit and/or License. Substance abuse is also a topic that is explored as it relates to the prevention of serious motor vehicle accidents. The goal is to create a working knowledge that can be expanded upon once behind the wheel instruction begins. At the conclusion of this course students will have the opportunity to take the NJMVC Knowledge exam.

Course Name: PHYSICAL/HEALTH EDUCATION III/IV

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *PE/Driver Theory II*

Course Description:

Physical Education 11/12 emphasizes motor skill development and health and skill-related fitness concepts. Students will participate in a wide variety of developmentally appropriate activities that will help develop and maintain a healthy lifestyle. Four activities will be taught each marking period, and they will include a balance of team and individual sports, with instruction focusing on skill development, refinement, cooperation, team-building, social skills, and game play for each activity. Activity-related fitness strategies will be integrated throughout each topic of study. Health 11/12 during an “even year” focuses on family life and sexuality, including the following topics: sexual and reproductive health, the life cycle, pregnancy and parenthood, personal relationships, methods of communication, marriage, and family. Students will complete a culminating project at the conclusion of the health marking period focused on aspects of marriage and parenting, including discussions and compromises of building a healthy relationship, budgeting, and family planning. Health 11/12 during an “odd year” includes the following topics: First Aid, CPR, and AED training. Students will have the opportunity to obtain their Red Cross First Aid/CPR/AED Certification. provide instruction in cardiopulmonary resuscitation and the use of an automated external defibrillator to each student prior to graduation.

Course Name: INTEGRATED PHYSICAL EDUCATION

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Teacher recommendation required, general education students who are accepted to participate will also need to fulfill the grade level physical education graduation requirement.*

Course Description:

Integrated Physical Education provides a unique opportunity for students with and without disabilities to come together through ongoing educational and physical activities. Integrated students will work collaboratively to develop physical skills, social skills and friendships. Students who apply to enroll and are selected to be part of Integrated class will participate in training opportunities throughout the school year.

Course Name: INTRO TO SPORTS MEDICINE

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

Introduction to Sports Medicine is a class designed to emphasize the prevention, assessment, and rehabilitation of athletic injuries. Subject matter will include discussion of specific conditions and injuries that may be experienced by individuals participating in athletic activities. Areas that will be covered include legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of other sports medicine concepts. These topics will be discussed utilizing material in exercise science, anatomy and physiology, biomechanics, and orthopedics. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, EMT, and radiology will benefit from this course.

Course Name: MEDICAL TERMINOLOGY

Weighted: NO

Eligible Grade Level: 10-12

Credits: 2.5

Schedule: Half Year (Fall Semester)

Prerequisite(s): *Introduction to Sports Medicine or Anatomy and Physiology*

Course Description:

Medical Terminology is the study of words that pertain to body systems, anatomy, physiology, medical processes and procedures and a variety of diseases. It provides specialized language for the health care team, enabling health care workers to communicate in an accurate, articulate, and concise manner. This course is designed to give the students a comprehensive knowledge of word construction, definition and use of terms related to all areas of medical science. The course includes but is not limited to terms related to anatomy of the human body, functions of health and disease, and the use of language in processing medical/dental records and claim forms.

Course Name: NUTRITION

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.0

Schedule: Full Year

Prerequisite(s): *Introduction to Sports Medicine or Anatomy and Physiology*

Course Description:

Nutrition outlines the relationship of diet, lifestyle, and the prevention of disease. An overview of the digestion, absorption, and metabolism of protein, carbohydrates, fat, vitamins, and minerals is provided. Nutrition needs at various stages of the lifespan are stressed. Applying the science of nutrition to your life including needs for fitness and physical activity, evaluating nutrition claims, food labeling, and other consumer concerns are emphasized.

Course Name: ADVANCED SPORTS MEDICINE

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Introduction to Sports Medicine*

Course Description:

Introduction to Sports Medicine is a class designed to emphasize the prevention, assessment, and rehabilitation of athletic injuries. Subject matter will include discussion of specific conditions and injuries that may be experienced by individuals participating in athletic activities. Areas that will be covered include legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of other sports medicine concepts. These topics will be discussed utilizing material in exercise science, anatomy and physiology, biomechanics, and orthopedics. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, EMT, and radiology will benefit from this course.

Course Name: MEDICAL LAW AND ETHICS

Weighted: NO

Eligible Grade Level: 10-12

Credits: 2.5

Schedule: Half Year

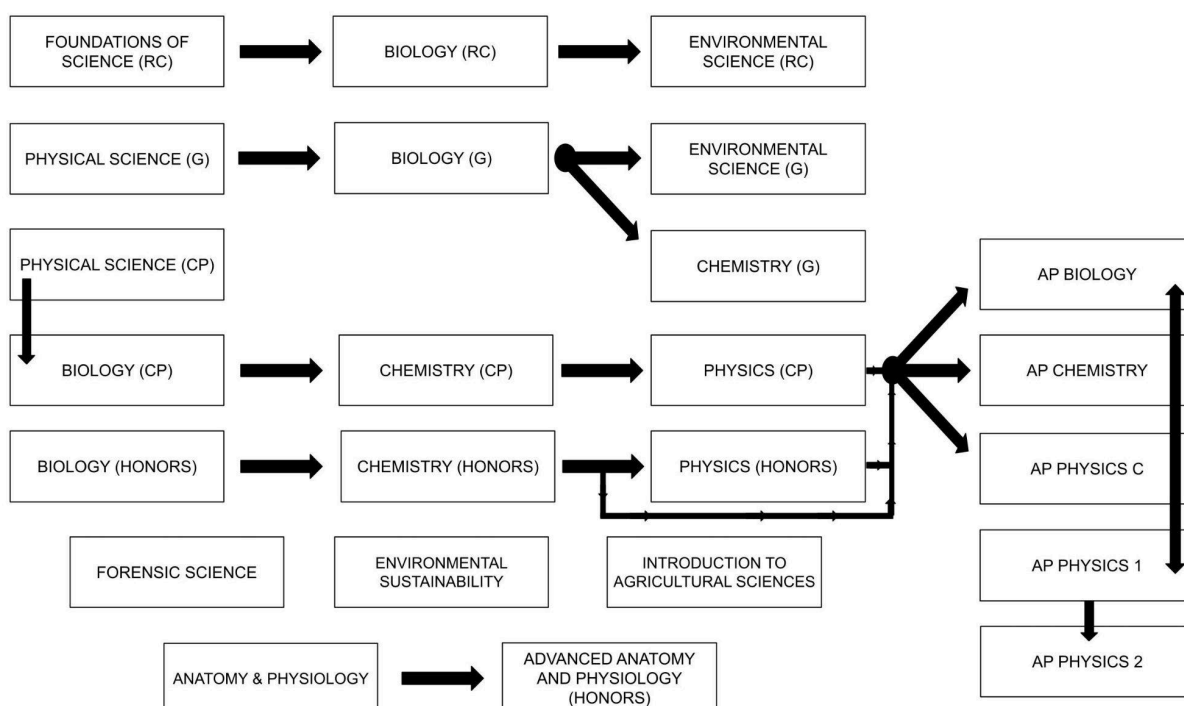
Prerequisite(s): *Introduction to Sports Medicine or Introduction to Anatomy and Physiology*

Course Description:

Medical Law and Ethics covers legal relationships of physicians and patients, contractual agreements, professional liability, malpractice, medical practice acts, informed consent, and bioethical issues. Emphasis is placed on legal terms, professional attitudes, and the principles and basic concepts of ethics and laws involved in providing medical services. Students will build on their skills in medical terminology and anatomy and physiology. Upon completion, students will understand the legal and ethical responsibilities of a multi-skilled health professional.

SCIENCE DEPARTMENT

The primary goal of the science curricula is to develop an empathy and understanding of science and its relationship with our modern society. In order to achieve this goal, the curriculum consists of courses and activities that are designed to meet various needs of the student population. Through experimentation, inquiry and individual instruction, students are encouraged to interpret scientific knowledge and develop positive attitudes, interests and appreciations of science and the scientific community.



Course Name: PHYSICAL SCI AND LAB G

Weighted: NO

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This course is intended to provide an introduction into the areas of study of physical science, which include topics in both chemistry and physics. A third topic of study includes fundamental principles of any lab science such as lab skills and safety, the scientific method, and scientific data collection and analysis. The physical science course is aligned with Next Generation Science Standards and embraces learning through inquiry that includes a significant component of hands-on laboratory experiments and demonstrations.

Course Name: PHYSICAL SCIENCE AND LAB CP

Weighted: NO

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This course is intended to provide an introduction into the areas of study of physical science, which include topics in both chemistry and physics. A third topic of study includes fundamental principles of any lab science such as lab skills and safety, the scientific method, and scientific data collection and analysis. The physical science course is aligned with Next Generation Science Standards and embraces learning through inquiry that includes a significant component of hands-on laboratory experiments and demonstrations.

Course Name: BIOLOGY & LAB (BIO & LAB) G

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Physical Science*

Course Description:

This course is intended to provide an introduction into the study of Biology and is aligned to the Next Generation Science Standards. Students will use a systems approach to learning about many different levels of complexity studied in the biological sciences. Students will engage in inquiry based investigations intended to support the development of creative and critical thinking skills. This class meets five periods a week.

Course Name: BIOLOGY AND LAB CP

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This course is intended to provide an introduction into the study of biology and is aligned to the Next Generation Science Standards. Students will use a systems approach to learning about many different levels of complexity studied in the Biological Sciences. Students will engage in inquiry based investigations intended to support the development of creative and critical thinking skills. This class meets five periods a week.

Course Name: HONORS BIOLOGY AND LAB

Weighted: NO

Eligible Grade Level: 9-12

Credits: 6.00

Schedule: Full Year

Prerequisite(s): *8th Grade Teacher recommendation*

Course Description:

This is a lab-based course designed to cover biological concepts in structure and function, inheritance and variation of traits, matter and energy in organisms and ecosystems, interdependent relationships in ecosystems, as well as natural selection and evolution. This course provides opportunities for active investigation and research of biological phenomena. Important biomolecules such as ATP, carbohydrates, and proteins are examined in terms of their role in energy transformation processes and metabolism. The biological role of DNA and RNA as the primary control of protein synthesis and cell duplication, human physiology, ecology as well as human impacts to the environment are studied. Laboratory experiments are designed to investigate these concepts. This class meets six periods a week.

Course Name: HONORS CHEMISTRY AND LAB

Weighted: YES

Eligible Grade Level: 10-12

Credits: 6.00

Schedule: Full Year

Prerequisite(s): *Honors Biology, Honors Algebra II (concurrent)*

Course Description:

This course describes the nature of matter in terms of molecular behavior. Major topics are atomic structure, periodic table, chemical bonding and reactions, chemical calculations including stoichiometry, thermodynamics, kinetics, equilibrium, gas laws, solids, liquids, solutions, acids and bases, and electrochemistry. The goal of Chemistry is to instill in the student a curiosity about matter and its interactions; to initiate a lifetime of using an organized, evidence-based approach to solving problems; and to recognize the central significance of chemistry to the understanding of all other sciences and its applications to everyday lives and real-world situations.

Course Name: CHEMISTRY AND LAB CP

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Biology*

Course Description:

Chemistry is a study of the physical properties of matter with an emphasis in mathematical problem solving. The course has weekly lab periods. Topics included in this course are scientific measurement, atomic structure, the periodic table, chemical bonding, stoichiometry, states of matter, solutions, calorimetry, thermochemistry, reaction rates, equilibrium, acids, bases and redox.

Course Name: CHEMISTRY AND LAB (CHEM AND LAB) G

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Biology*

Course Description:

Chemistry is a study of the physical properties of matter. The course has a weekly lab. Selected topics included in this course are scientific measurement, atomic structure, the periodic table, chemical bonding, stoichiometry, states of matter, solutions, calorimetry, thermo-chemistry, reaction rates, equilibrium, acids, bases and redox. Students will become familiar with atoms, molecules, state of matter, simple chemical reactions, chemical branding, and the periodic table.

Course Name: AP PHYSICS 1 and LAB

Weighted: YES

Eligible Grade Level: 11-12

Credits: 6.00

Schedule: Full Year

Prerequisites: *Biology & Chemistry, Algebra II.*

Course Description:

AP Physics 1 is an algebra-based, college-level physics course that explores the foundational principles of physics. The course is designed to prepare students for the AP Physics 1 Exam with topics including kinematics, Newton's laws of motion, work/energy, momentum, rotational motion, simple harmonic motion, and fluid mechanics. Students will develop scientific reasoning and problem-solving skills through hands-on labs, guided inquiry, and student-centered learning to foster the development of critical thinking skills. A strong background in algebra and trigonometry is required for the course, and the basic ideas of calculus may be introduced in connection with physical concepts such as acceleration and work.

Course Name: AP PHYSICS 2 and LAB

Weighted: YES

Eligible Grade Level: 11-12

Credits: 6.00

Schedule: Full Year

Prerequisites: *CP Physics or AP Physics 1, Algebra II.*

Course Description:

AP Physics 2 is an algebra-based, college-level physics course that further explores the topics of physics beyond the mechanics of forces, energy, and motion. The course is designed to prepare students for the AP Physics 2 Exam with topics including thermodynamics, electricity, magnetism, waves, optics, and modern physics. Students will develop scientific reasoning and problem-solving skills through hands-on labs, guided inquiry, and student-centered learning to foster the development of critical thinking skills. A background in physics is required for this course, and students with an

interest in STEM fields and who have successfully completed either a full year of CP Physics or AP Physics 1 are ideal candidates.

Course Name: AP PHYSICS C and LAB

Weighted: YES

Eligible Grade Level: 11-12

Credits: 6.00

Schedule: Full Year

Prerequisites: *Calculus*

Course Description:

This is a college level course. The objective of this course is to prepare students for the AP Physics C Mechanics exam. This is a rigorous course that will cover the topics of a 5 credit college Physics course. The topics that will be covered in this course are: Kinematics, Dynamics, Work/Energy, Momentum, Rotational Motion, Universal Gravitation, and Simple Harmonic Motion. All of these courses will be explored from a Calculus perspective

Course Name: PHYSICS AND LAB CP

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *Chemistry and Lab*

Course Description:

Physics is for the student who has a working knowledge of Algebra and Algebra II. The course covers motion, work, power, momentum, rotational motion, torque, wave motion, light, mirrors, and electricity. Emphasis is given to laboratory investigation as a means of developing these concepts.

Course Name: INTRODUCTION TO ANATOMY AND PHYSIOLOGY CP

Weighted: NO

Eligible Grade Level: 9-10

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *N/A*

Course Description:

This course is designed to introduce the study of the structures and functions of the human body. Emphasis is placed on relating the suitability of structure to function to general principles within each organ system, and then to the body as a single functional unit – providing an understanding of how these parts interact with each other for the body to function properly and maintain homeostasis. Topics involving basic anatomy and physiology concepts will be explored. Outcomes will provide students with a foundational understanding of Anatomy and Physiology.

Course Name: ANATOMY AND PHYSIOLOGY CP

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisites: *None*

Course Description:

This course presents students with an in-depth view of the functional systems of the human body to include the nervous, endocrine, digestive, circulatory, respiratory, excretory, reproductive, and locomotive systems. Throughout the course material, there is an emphasis on the coordinated interaction of physiological activities. The topics incorporate the significance of the nervous and endocrine systems which regulate the responses between and within other systems. Students examine each system from levels of cell specialization and organ structure. The overall performance of the human body is viewed as an interconnected complex of structures working on molecular and gross levels. The course exposes students to current biomedical and social environmental issues to enhance their understanding of health and human body related topics. Laboratory exercises will supplement and enhance topics dealing with both system functions (physiology) and system structure (anatomy).

Course Name: HONORS ADVANCED ANATOMY AND PHYSIOLOGY

Weighted: YES

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Biology, Chemistry, Anatomy and Physiology or Teacher recommendation*

Course Description:

This course expands the student's knowledge of the human body systems, the fundamental concepts of anatomy and the inner workings of the human body. It provides a base of knowledge about terminology, current issues, and clinical advances in today's medical field. This course will examine how the structure of the human body determines the functions of the human body. It will look at how certain systems are composed and how that composition allows the system to function properly. Anatomy & Physiology, like most sciences, can be related directly to the students' everyday lives. This course takes that approach and helps the students understand why their bodies function the way that they do. Students will be heavily engaged in research related to pathophysiology. Students will also become familiar with medical evaluation techniques to assess normal function of human anatomy and physiology.

Course Name: AP CHEMISTRY

Weighted: YES

Eligible Grade Level: 10 (honors track only) -12

Credits: 6.00

Schedule: Full Year

Prerequisite(s): *Chemistry and Lab*

Course Description:

This course is designed to be the equivalent of a college introductory Chemistry usually taken by chemistry majors during their first year. The course is designed to be taken by students after the successful completion of a first course in high school Chemistry. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of Chemistry.

****Summer Work Required***

Course Name: AP BIOLOGY

Weighted: YES

Eligible Grade Level: 11-12

Credits: 6.00

Schedule: Full Year

Prerequisite(s): *Biology and Lab, Chemistry and Lab*

Course Description:

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

****Summer Work Required***

Course Name: ENVIRONMENTAL SCIENCE AND LAB G

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This course develops an awareness of the environment by studying both the natural changes the Earth has undergone and changes caused by man. Students learn how the Earth has changed naturally over time and how this has affected the Earth's ability to support life. The effect of human population growth, the usage of energy, and degradation of the environment will be discussed.

Course Name: FORENSIC SCIENCE CP

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Biology and Chemistry or Teacher recommendation*

Course Description:

In this course, students will discuss the field and laboratory techniques used in actual crime scene investigations. This course is designed to introduce students to the basics of biological and chemical forensic analysis. Students will complete challenging coursework in the following topics: crime scene analysis, collection of evidence, identification and classification of fingerprint evidence, identification and classification of physical evidence, forensic anthropology, and forensic entomology. Students will learn various detection, collection, and laboratory testing methods that are performed by forensic scientists. Students will demonstrate their understanding of these topics through written and laboratory assignments. The students will participate with hands-on experiences needed to conduct the standard laboratory procedures such as the analysis of: hair/fiber, documents, blood, DNA, and fingerprints. This class will provide a hands-on approach to learning forensic science and help students develop the tools and techniques needed to interpret data for both chemical and biological analysis of evidence.

Course Name: INTRODUCTION TO AGRICULTURAL SCIENCE

Weighted: NO

Eligible Grade Level: 11-12

Credits: 2.5

Schedule: Half Year

Course Description:

This course introduces students to career opportunities and the general concepts of agriculture and horticulture which includes plant taxonomy, physiology, crops, and their general management.

Course Name: INTRODUCTION TO ENVIRONMENTAL SUSTAINABILITY

Weighted: NO

Eligible Grade Level: 11-12

Credits: 2.5

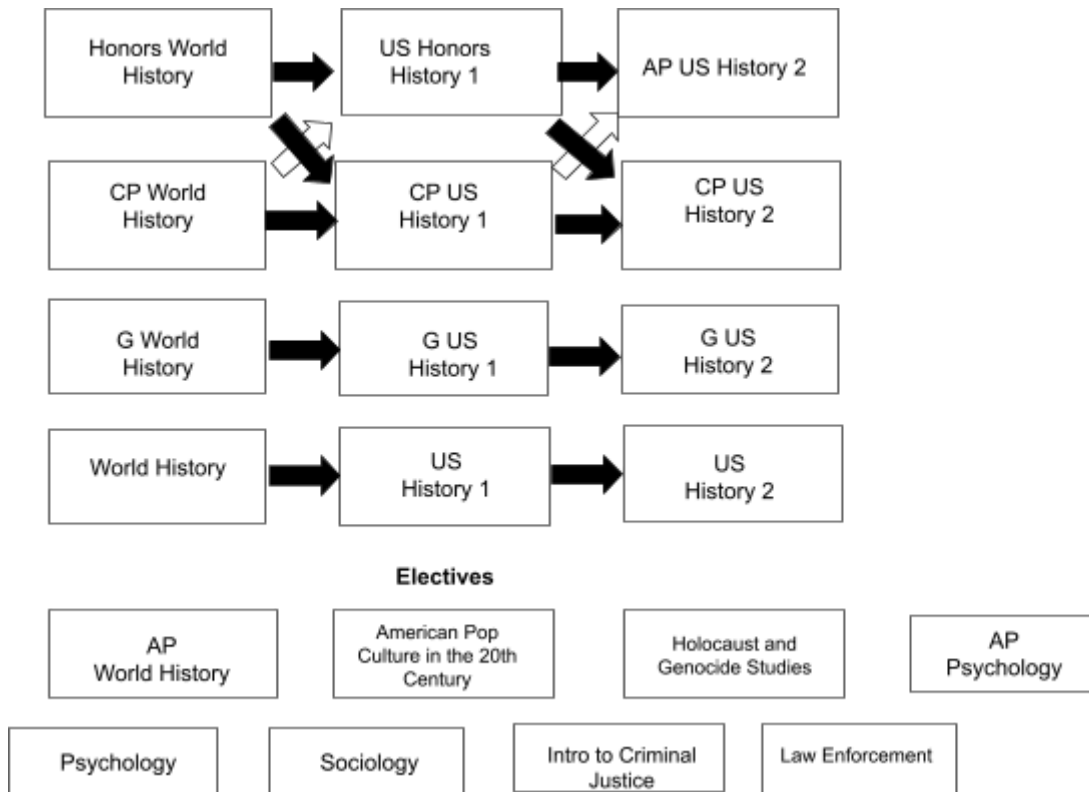
Schedule: Half Year

Course Description:

This course is designed to explore the factors influencing the environment and to increase awareness of environmental problems and solutions. The student will learn scientific methods and scientific knowledge of issues of a sustainable future. Topics include population, energy, natural resources, food, water, biodiversity, waste management, global climate change, and the social, legal, ethical, and cultural impacts of human interaction with the environment.

SOCIAL STUDIES DEPARTMENT

The goals of the Social Studies program are to develop an understanding of the political, social, economic, and cultural development of today's society and to prepare students for membership in society as intelligent decision makers and active citizens.



Course Name: HONORS WORLD HISTORY

Weighted: YES

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite: *Teacher recommendation*

Course Description:

This honors-level course offers a study of historical content from the beginnings of civilization to the present, including the history and culture of countries in Europe, Asia, Africa, and Latin America. The students will engage in extensive reading, challenging research, higher-level thinking skills, and analytical writing assignments. This course will give the student an insight into what factors shaped the history of the world and utilize primary and secondary sources in researching and drawing evidence-based conclusions about historical problems and issues. Students are also required to start a training program to build DBQ (Document Based Question) skills. A pluralistic, multicultural focus, emphasizing the dignity, values and contributions of different societies is presented. World History is a full year required course in ninth grade.

Course Name: AP WORLD HISTORY

Weighted: YES

Eligible Grade Level: 10 -12 elective

Credits: 5.00

Schedule: Full Year

Prerequisite: *Teacher recommendation*

Course Description:

This honors-level course offers a study of historical content from the beginnings of civilization to the present, including the history and culture of countries in Europe, Asia, Africa, and Latin America. The students will engage in extensive reading, challenging research, higher-level thinking skills, and analytical writing assignments. This course will give the student an insight into what factors shaped the history of the world and utilize primary and secondary sources in researching and drawing evidence-based conclusions about historical problems and issues. Students are also required to start a training program to build DBQ (Document Based Question) skills. A pluralistic, multicultural focus, emphasizing the dignity, values and contributions of different societies is presented. World History is a full year required course in ninth grade.

Course Name: WORLD HISTORY G/CP

Weighted: NO

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite: *None*

Course Description:

This survey course covers material from approximately 1350 to the present, including the history and culture of countries in Europe, Asia, Africa, and Latin America. Study skills, such as map reading and the analysis of graphs, charts, and other visual resources are emphasized. This course will provide students with the knowledge of the past required to understand the present and predict the future. The studies of historic, political, geographical, economic, and contemporary interrelationships of individuals, societies, and cultures, which help us understand the issues and problems in our world, are addressed. A pluralistic, multicultural focus, emphasizing the dignity, values and contributions of different societies is presented. This course is required for 9th-grade students.

Course Name: U.S. HISTORY I G/CP

Weighted: NO

Eligible Grade Level: 10

Credits: 5.00

Schedule: Full Year

Prerequisite: None

Course Description:

The United States History I program deals with the study of American History from its colonial period to the beginning of the 20th century. Both a thematic and chronological approach are utilized, with emphasis placed on the development of understanding the political, economic, cultural, military, and social changes that took place. Activities included in the program are designed to bring the contemporary scene into focus. At the college prep (CP) level, students utilize a variety of primary and secondary sources to develop sophisticated reading, writing, thinking and research skills necessary in both advanced education and effective citizenship. Students in the G level program are assisted in their growth of reading and study skills to assure understanding, and in the development and maintenance of necessary social studies skills.

Course Name: U.S. HISTORY II G/CP

Weighted: NO

Eligible Grade Level: 11

Credits: 5.00

Schedule: Full Year

Prerequisite: None

Course Description:

United States History II is a continuation of the sequential curriculum begun in U.S. History I. This course traces the development of the United States from the years immediately preceding the First World War through contemporary times. It is designed to present to the student the political, economic, and social changes which took place during this time and to acquaint them with the historical trends that developed and are still evolving in today's world. U.S. History II will encourage the student to draw upon his knowledge of previous events, and the individuals who shaped those events, in order to come to a greater understanding of the people and events which shape our lives today. In compliance with the state mandates, the student must pass this course in order to graduate from high school. A formal research project is a required part of this program at the CP level. Students in the G level program are assisted in their growth of reading and study skills to assure understanding, and in the development and maintenance of necessary social studies skills.

Course Name: HONORS U.S. HISTORY

Weighted: YES

Eligible Grade Level: 10

Credits: 5.00

Schedule: Full Year

Prerequisite: *Teacher recommendation*

Course Description:

Advanced Placement is supposed to be equivalent to a college level course. This course is open only to those students with a proven record of academic excellence in Social Studies and who display a high level of motivation. The course begins with the study of the Americas before European colonization and moves through the European Age of Exploration and ending with the period of industrialization that bridges the 19th and 20th centuries. At the Advanced Placement level, students will be exposed to numerous primary and secondary source readings, as well as various writing pieces, such as document-based question (DBQ) essays. Topics to be covered include mercantilism, nationalism, sectionalism, as well as social, political, economic, military, and diplomatic history.

****Summer work required***

Course Name: AP U.S. HISTORY

Weighted: YES

Eligible Grade Level: 11

Credits: 5.00

Schedule: Full Year

Prerequisite: *Teacher recommendation*

Course Description:

This class will cover the political, social, economic, military, and diplomatic history of the United States beginning with the period of Imperialism following the Civil War and ending with present day events. At the Advanced Placement level, students will be exposed to numerous primary and secondary source readings, as well as various writing pieces, such as document-based question (DBQ) essays. Students are strongly encouraged to take the Advanced Placement American History Examination near the end of this course, which may allow students to earn college credit. Students with a prior record of academic excellence in history, are highly motivated, and demonstrate strong reading, writing and speaking skills should be enrolled in this class.

****Summer Work Required***

Course Name: SOCIOLOGY

Weighted: NO

Eligible Grade Level: 11-12

Credits: 2.50

Schedule: Half Year

Prerequisite: *None*

Course Description:

As an introduction to the study of sociology, this course will examine the complex relationships which develop between society and its institutions. In sociology, students will examine the foundations of sociology as a social science along with the nature of culture, the process of socialization, status, roles, and deviance. Students will be able to view themselves as the sociologist would see them - as a product of their environment from infancy through all the stages of adulthood. Topics covered include male female roles and relationships; the changing nature of the family; the influence of the media, television, and computers on the individual and masses. Other topics covered include: race in America and the world, power and politics, religion and education, the dynamics and ethics of business and sport. The course will emphasize student discussion and research projects that will include in-class, oral presentations. Sociology will include guest speakers and potential field trips to enhance the curriculum.

Course Name: INTRO TO CRIMINAL JUSTICE

Weighted: NO

Eligible Grade Level: 11-12

Credits: 2.50

Schedule: Half Year

Prerequisite: *None*

Course Description:

This course is an overview of the criminal justice system in the United States. Topics include a study of the criminal justice system, the police, courts, and corrections.

Course Name: LAW ENFORCEMENT

Weighted: NO

Eligible Grade Level: 11-12

Credits: 2.50

Schedule: Half Year

Prerequisite: *None*

Course Description:

This course studies the police function in modern society. Topics include methods of selection and training, police discretion, the use of force, and the police role in the community.

Course Name: PSYCHOLOGY

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite: *None*

Course Description:

The course is designed to introduce students to a college level Psychology course. Content will be aligned with New Jersey SLS, American Psychological Association National Standards, and 21st Century Life and Career Standards. This course provides students with a sampling of units that would be covered in a college level Psychology course. The emphasis is on units that focus the students' awareness of their own mind and human behavior. The scope of this course provides investigation of social, biological, developmental, and cognitive domains while addressing historical and current methodologies. Through a better understanding of themselves, the topics allow for self-reflection and personal experiences that apply to the content.

Course Name: AP PSYCHOLOGY

Weighted: YES

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite: *None*

Course Description:

Course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health. Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretation to evaluate claims, consider evidence, and effectively communicate ideas.

Course Name: AP GOVERNMENT

Weighted: YES

Eligible Grade Level: 12

Credits: 5.00

Schedule: Full Year

Prerequisite: *Teacher recommendation*

Course Description:

The primary purpose of Advanced Placement United States Government and Politics is to gain an understanding of the knowledge, skills, and attitudes that enable students to become effective citizens capable of participating in the democratic society. The AP course is offered to students who are sufficiently advanced to earn college credits for their work. Students are expected to take the AP exam in May.

****Summer Work Required***

Course Name: HOLOCAUST AND GENOCIDE STUDIES

Weighted: NO

Eligible Grade Level: 11-12

Credits: 2.50

Schedule: Half Year

Prerequisite: *None*

Course Description:

The second semester of Sociology will involve an examination of genocide throughout the 20th and 21st centuries, including Armenia, the Nazi Holocaust, Cambodia, Bosnia, Rwanda and Darfur, Sudan. Students will explore the roots of intolerance and hatred, the use of propaganda and “us vs. them” divisions in society, resulting in government backed plans to eliminate entire groups of people. Students will also consider contemporary, international efforts to confront and stop genocide, including holding the perpetrators accountable for their actions. This segment of the course may include guest speakers and a field trip opportunity.

Course Name: AMERICAN POP CULTURE IN THE 20TH CENTURY

Weighted: NO

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite: *None*

Course Description:

Popular culture provides a window into the values and experiences of everyday people of a particular place and time. This course will examine how popular culture of the 20th century reflects and shapes American opinions, values, and priorities. Over the course of the semester students will explore how mediums such as radio, film, television, and the internet affect popular culture. Students will also draw upon topics such as sports, fads, fashion, music, art, literature, and technology to get a sense of what it was like to live in these different periods of American history.

SPECIAL EDUCATION PROGRAM

Wallkill Valley Regional High School's special education program includes a continuum of services to meet each student's individual needs. When a student is determined eligible for and in need of special education and related services, Wallkill Valley Regional High School provides an Individualized Education Plan (IEP) to facilitate such. Programs and supports are determined by the IEP team when evaluating the student's needs to meet his/her goals, as well as modifications and accommodations. Individual courses are listed below.

ENGLISH

Course Name: ENGLISH I RC

Weighted: NO

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This course focuses on a comprehensive approach to reading using methodology and practices supported by the Science of Reading. It is designed to help students who require support in developing effective use of Standard English. Through structured lessons and individually targeted skills, students interact with text using traditional and digital materials. Instructional components of this course include reading foundational skills, reading comprehension, vocabulary, grammar, and writing. Students will be instructed in grammar usage, proper sentence and paragraph construction, essay development, foundational reading skills, reading comprehension skills, and vocabulary development. Exposure to the skills identified in the NJSLS will be accomplished. This course is provided in a small group setting and taught by a certified Special Education teacher.

Course Name: ENGLISH II RC

Weighted: NO

Eligible Grade Level: 10

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *English I*

Course Description:

This course is intended for students who have successfully completed the English I Resource Center course. It is designed to further facilitate the development of the effective use of English through a comprehensive approach to reading using methodology and practices supported by the Science of Reading. Through frequent repetition and emphasis on each student's Individualized Education Plan, reinforcement of the fundamental writing and reading skills will be accomplished. The areas that will be addressed include grammar and usage, sentence and paragraph development, vocabulary development, essay writing, personal writing, reading and research methods. Exposure to the skills identified in the NJSLs will be accomplished. This course is provided in a small group setting and taught by a certified Special Education teacher.

Course Name: ENGLISH III RC

Weighted: NO

Eligible Grade Level: 11

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *English II*

Course Description:

This course is intended for students who have successfully completed the English I & II Resource Center courses. It is designed to further facilitate the development of the effective use of English through a comprehensive approach to reading using methodology and practices supported by the Science of Reading. This course is intended to improve student's independent skills related to literacy development and writing. Students will be instructed in grammar usage, proper paragraph and essay construction, foundational and reading comprehension skills, and vocabulary development. Both traditional text and digital materials will be utilized in this course. Exposure to the skills identified in the NJSLs will be accomplished. This course is provided in a small group setting and taught by a certified Special Education teacher.

Course Name: ENGLISH IV RC

Weighted: NO

Eligible Grade Level: 12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *English III*

Course Description:

This course is intended for students who have successfully completed the English III Resource Center course and is designed to help students who require support to master the correct and effective use of Standard English. The materials are designed for students who have limited reading, writing, or comprehension skills. Instruction will enhance student recognition of the parts of speech, sentence construction, essay development, paragraph development, vocabulary development, letter writing, college & career readiness, research report writing, and literary appreciation. Focus will be on the literary genres pertaining to British and contemporary literature. Exposure to the skills identified in the NJSLs will be accomplished. This course is provided in a small group setting and taught by a certified Special Education teacher.

MATHEMATICS

Course Name: ALGEBRA I RC

Weighted: NO

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The Algebra I/Lab Resource Center course will address the basic concepts of Algebra and is closely aligned with the NJSLs. Concepts that will be presented include the properties of real numbers, variables, order of operations, solving linear equations, graphing linear equations, functions, inequalities and systems of equations. This course is provided in a small group setting and taught by a certified Special Education teacher.

Course Name: GEOMETRY RC

Weighted: NO

Eligible Grade Level: 10

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Algebra I*

Course Description:

This course will teach the core concepts of Geometry. Topics that will be addressed will include basic geometric figures, angles, perpendicular & parallel lines, triangles, right triangles, quadrilaterals & polygons, perimeter & area, and circles. Exposure to the skills identified in the NJSLs will be accomplished. Additional emphasis will be placed on state assessment requirements. This course is provided in a small group setting and taught by a certified Special Education teacher.

Course Name: ALGEBRA II RC

Weighted: NO

Eligible Grade Level: 11

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Algebra I & Geometry*

Course Description:

This course will provide a review of the major concepts of the NJSLs in Algebra I and Geometry. It will then cover the major areas of Algebra II. These topics include but are not limited to quadratic equations with irrational and complex roots, simultaneous quadratic equations, and polynomial functions. Additional emphasis will be placed on state assessment requirements. This course is provided in a small group setting and taught by a certified Special Education teacher.

SCIENCE

Course Name: FOUNDATIONS OF SCIENCE/LAB RC

Weighted: NO

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This course introduces students to the various foundations found in science. Students will gain insight into matter and the different states, atoms and their makeup, the relationship between matter and energy, physical vs. chemical changes, electricity, sound, and many other concepts in science. This course is provided in a small group setting and taught by a certified Special Education teacher.

Course Name: BASIC BIO/LAB RC

Weighted: NO

Eligible Grade Level: 10

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Foundations of Science/Physical Science*

Course Description:

This course introduces the fundamentals of biology. The focus is on living things, their major life processes, classification of living things, the systems, and functions of the body, what it takes to sustain life, how living things interact with the environment, and environmental biology. Students will conduct practical and primary tabs, also simulated labs in the media center. This course is provided in a small group setting and taught by a certified Special Education teacher.

Course Name: ENVIRONMENTAL SCIENCE/LAB RC

Weighted: NO

Eligible Grade Level: 11

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Biology*

Course Description:

This course is designed to introduce students to our own world to the outer reaches of space, the earth and other heavenly bodies of the universe will be instructed. Students will gain insight into the various characteristics that make the earth unique in the solar system, and how the objects and phenomena of the universe and how it affects the way they live on earth. This course is provided in a small group setting and taught by a certified Special Education teacher.

HISTORY

Course Name: WORLD HISTORY RC

Weighted: NO

Eligible Grade Level: 9

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

This course introduces the fundamentals of world history so that students will develop a sense of continuity in world affairs. A pluralistic multicultural focus, emphasizing the dignity, values and contributions of different societies is presented. Activities incorporated in this course will emphasize basic skills and student interest development. Through frequent repetition, review, the use of visual models, and guided practice, student knowledge of world history, world geography, reading comprehension, and academic self-esteem will be enhanced. Students will study world events from the beginning of recorded history to current times. This course is provided in a small group setting and taught by a certified Special Education teacher.

Course Name: US HISTORY I RC

Weighted: NO

Eligible Grade Level: 10

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *World History*

Course Description:

This course introduces the fundamentals of American History so that students will develop a sense of continuity with their own past. Not only will students be able to describe what happened, but will also be able to interpret how and why things happened when they did. Activities incorporated in this course will emphasize basic skills and student interest development. Through frequent repetition and review of materials, student knowledge of history, reading comprehension, and academic self-esteem will be enhanced. The events introduced to the students will cover the early European settlement to the Civil War time periods. This course is provided in a small group setting and taught by a certified Special Education teacher.

Course Name: US HISTORY II RC

Weighted: NO

Eligible Grade Level: 11

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *US History I*

Course Description:

This course is a continuation of the US History I course. Activities incorporated in this course will emphasize basic skills and student interest development. Through frequent repetition and review of material, student knowledge of history, reading comprehension, and academic self-esteem will be enhanced. The events studied will cover the post-Civil War time period to contemporary times. This course is provided in a small group setting and taught by a certified Special Education teacher.

ADDITIONAL COURSES

Course Name: STUDY SKILLS RC

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The study skills program is designed for students who are taking a full complement of academically challenging courses and need assistance in developing and applying study skills. Effective transference of these skills will enhance the student's ability to successfully meet the objectives of mainstream course work. The general skills that will be taught and emphasized throughout the course will be effective listening skills, note-taking skills, time management and organizational skills, studying techniques, and test taking strategies. Additionally, reading strategies, writing techniques and research skills are emphasized for generalization in core academic subjects. This course is provided in a small group setting and taught by a certified Special Education teacher.

Course Name: PERSONAL FINANCE LITERACY RC

Weighted: NO

Eligible Grade Level: 12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The Personal Finance Resource Center course will prepare students to manage the challenges that adult citizens encounter on a daily basis. The skills covered in this course will help special needs students to effectively transition to real world situations and become independent members of the community. The topics that will be addressed will be monetary computation, personal budget development, managing personal finances, consumer spending, effectively borrowing money, maintaining financial records, the application of technology, community issues and citizenship, income tax form completion, seeking and maintaining employment and health care management. In addition, practical activities will be employed to foster the application of the skills to everyday situations. This course is provided in a small group setting and taught by a certified Special Education teacher.

SELF-CONTAINED PROGRAMS

LANGUAGE AND LEARNING DISABILITY PROGRAM

The self-contained Language and Learning Disability (LLD) Program is designed to support students' academic, functional, and social-emotional needs in a small group setting taught by a certified special education teacher. The program supports student learning in the area of multiple intelligences. Classes are offered to students who require substantial academic and social support using a modified curriculum guide for the core academic subjects of Math, English, History, and Science. Students are provided with pre-vocational and life skill development for post-secondary experiences during LLD Life Skills and/or LLD Study Skills.

Course Name: LANGUAGE AND LEARNING DISABILITY MATH

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The self-contained Language and Learning Disability (LLD) Math Program is designed to support student development of math skills in a small group setting taught by a certified special education teacher. Academics are focused on money management, time management, pre-vocational and life skill development. Basic math skills, including addition, subtraction, multiplication and division are focused on. Student goals often include improvement in mastering foundational math awareness and skills.

Course Name: LANGUAGE AND LEARNING DISABILITY ENGLISH

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The self-contained Language and Learning Disability (LLD) English Program is designed to support student development of reading and writing skills in a small group setting taught by a certified special education teacher. Academics focus on development of literal comprehension skills through reading various print (passages, articles, novels), functional literacy related to environmental print and written expression.

Course Name: LANGUAGE AND LEARNING DISABILITY HISTORY

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The self-contained Language and Learning Disability (LLD) History Program is designed to support learning and understanding of the United States and World History through small group instruction taught by a certified special education teacher. Academics focus on citizenship, state and local government, culture, societies and geographic skills.

Course Name: LANGUAGE AND LEARNING DISABILITY SCIENCE

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The Language and Learning Disability (LLD) Self-Contained Science Program is designed to support learning and understanding of Earth Science, Biology and Environmental Science through a modified curriculum taught by a certified Special Education teacher.

Course Name: LANGUAGE AND LEARNING DISABILITY LIFE SKILLS

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The Language and Learning Disability (LLD) Self-Contained Life Skills Program is designed to prepare students with the skills necessary for everyday living and independence. This course focuses on safety, cooking, healthy lifestyle choices, budgeting, work skills and more. Students will learn through hands-on activities, role playing, repetition and Community Based Instruction. This course meets the requirement for the Personal Finance class.

Course Name: LANGUAGE AND LEARNING DISABILITY STUDY SKILLS

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The Language and Learning Disability (LLD) Self-Contained Study Skills program is designed to support student learning in the areas of multiple intelligences, learning styles, making healthy choices, listening skills, following directions, independent living skills and careers. Students will learn through hands-on activities, role playing, repetition and Community Based Instruction.

EMOTIONAL REGULATION IMPAIRMENT SELF-CONTAINED PROGRAM

The self-contained Emotional Regulation Impairment (ERI) Program is designed to meet the social-emotional, behavioral, and academic needs of identified students while providing them the opportunity to attend a comprehensive, public high school. The program integrates the curriculum of core subjects with a therapeutic environment and tiered behavioral system. Students are also offered opportunities for group counseling and individual counseling.

Course Name: EMOTIONAL REGULATION IMPAIRMENT ENGLISH

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The self-contained Emotional Regulation Impairment English course is designed to meet the social-emotional and behavioral needs of the students while exposing them to both the general education curriculum as well as the skills identified in the NJSLS. Through frequent repetition and emphasis on each student's Individualized Education Plan (IEP), reinforcement of the fundamental writing and reading skills will be accomplished. The areas that will be addressed include grammar and usage, sentence and paragraph development, vocabulary development, essay writing, personal writing, reading and research methods. Continued exposure to literary genres will be performed. This course is provided in a small group setting and is taught by a certified Special Education teacher.

Course Name: EMOTIONAL REGULATION IMPAIRMENT MATH

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The self-contained Emotional Regulation Impairment Math course is designed to meet the social-emotional and behavioral needs of the students while exposing them to both the general education curriculum as well as the skills identified in the NJSLs. There is an emphasis placed on functional mathematical skills that students will need to meet their future goals, such as a comprehensive understanding of money and economics, along with skills to analyze fractions, percents and basic geometric concepts. Additionally, there is a reinforcement of the vital concepts covered in Algebra I, Algebra II and Geometry that are introduced and revisited on an ongoing basis.

Course Name: EMOTIONAL REGULATION IMPAIRMENT SCIENCE

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

The self-contained Emotional Regulation Impairment Science course is designed to meet the social-emotional and behavioral needs of the students while exposing them to both the general education curriculum as well as the skills identified in the NJSLs. Instruction is provided in multiple areas of the science curriculum; the major concepts of physical science, earth science, environmental science and physics are closely covered and analyzed. Our team teaching approach allows students to have access to the lab, and multiple experiments are conducted in order to provide a hands-on approach to learning. Web-based instructional materials are also utilized in order to supplement instruction with virtual, interactive activities.

Course Name: EMOTIONAL REGULATION IMPAIRMENT HISTORY

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

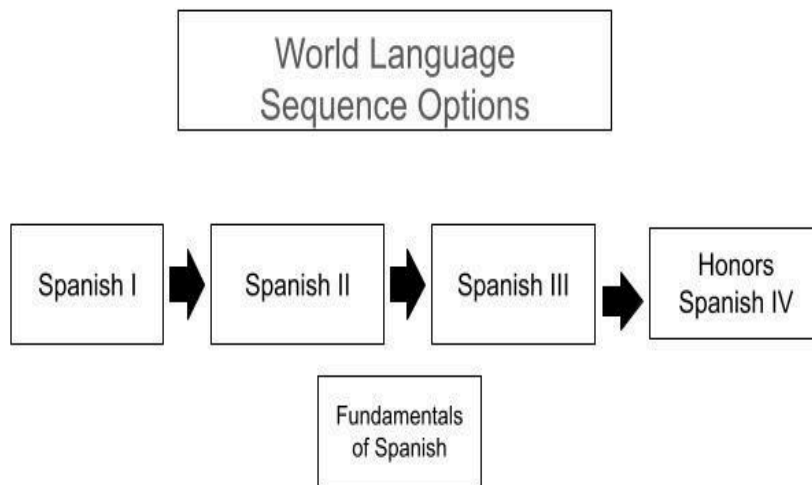
Prerequisite(s): *None*

Course Description:

The self-contained Emotional Regulation Impairment History course is designed to meet the social-emotional and behavioral needs of the students while exposing them to both the general education curriculum as well as the skills identified in the NJSLS. Course material covers areas of importance from World History, U.S. I, and U.S. II curriculum. Students are presented with textual information and required to apply lessons of the past to their daily lives by tying deep rooted concepts to relatable present-day circumstances. Activities include projects, analysis of primary documents and sources, film evaluation, artistic interpretations of historical content, and traditional assessments. A culminating field trip will often serve as a live experience that brings historical content to life for the students, and at the same time serves as positive reinforcement for good behavior and academic achievement.

WORLD LANGUAGE DEPARTMENT

Wallkill Valley Regional High School offers a comprehensive four-year language program in French and Spanish. All courses are planned and implemented around a proficiency-based model of language acquisition, beginning with Novice-Low Proficiency standards upwards to Intermediate-Mid level proficiency at the highest level of study. Students engage in interpretive, interpersonal, and presentational modes of communication to develop their individual proficiency in the chosen target language. Further, students simultaneously acquire an authentic and meaningful understanding of the products, practices, and perspectives found within the target culture through their active engagement in thematic units.



Course Name: FUNDAMENTALS OF SPANISH

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

In order to meet the New Jersey state mandates, Wallkill offers this course that will fulfill the graduation requirements; however, it will not count as a college level course for transcript purposes. This course will be conducted in English and Spanish. There will be exposure to the target language as well as culture, history, geography, and film.

Course Name: SPANISH I

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *None*

Course Description:

Spanish I students will learn the elementary principles of speaking, reading, and writing in the Spanish language. They will gain some insight into cultural aspects of francophone communities. Students will be expected to build proficiency in the 5 C's of the American Council on the Teaching of Foreign Language (ACTFL): Communication, Cultures, Connections, Comparisons, and Communities. Students will be provided with comprehensible input in the form of listening, reading, writing and speaking activities in both digital and non-digital mediums at the Novice-Mid to Novice-High proficiency levels. Through the use of vocabulary study and short stories, students will demonstrate proficiency in communicating by using simple statements supported by heavily practiced vocabulary structures and acquired language.

Course Name: SPANISH II

Weighted: NO

Eligible Grade Level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Spanish I*

Course Description:

Spanish II students are expected to build upon previous skills taught in Spanish I. Students will be expected to build proficiency in the 5 C's of the American Council on the Teaching of Foreign Language (ACTFL): Communication, Cultures, Connections, Comparisons, and Communities at Novice-High to Intermediate-Low levels of proficiency. Through the use of vocabulary study, short stories, and explicit grammar instruction, students will demonstrate proficiency in asking and answering simple questions on varied topics pertaining to individuals and society.

Course Name: SPANISH III

Weighted: NO

Eligible Grade Level: 10-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): *Spanish II (or placement test) and Teacher recommendation*

Course Description:

Spanish III students build communication skills, increase cultural and grammatical knowledge of Spanish, read short stories of varied length and greater complexity, and write compositions in Spanish using past and present tense structures. Level III students are expected to demonstrate Intermediate-Low level proficiency. By the end of the course, students should be able to demonstrate an ability to independently ask and answer a variety of simple questions and use strings of text to communicate their ideas. Students will be expected to understand and communicate at the sentence level and can use simple sentences *independently* to express needs, preferences, opinions and suggestions. Students must be recommended for Level III Spanish as it requires students to have developed a strong foundation in levels I and II in order to successfully communicate at this level of proficiency. To be recommended for level III, a student should have a combined Spanish grade average of at least 80% or higher in levels I & II.

Course Name: HONORS SPANISH IV

Weighted: YES

Eligible Grade Level: 11-12

Credits: 5.00

Schedule: Full Year

Prerequisite: *Spanish I, II, III and Teacher recommendation*

Course Description:

This course is designed to meet the standards for 6 undergraduate credits in a community college. Students are expected to employ previously acquired skills in Spanish to communicate at Intermediate-Low to Intermediate-Mid level proficiency. Through the use of vocabulary acquisition, more advanced grammar skills and cultural readings of greater complexity are expected than previously studied. Students will be expected to independently use connected sentences on a variety of topics and construct language at paragraph level by the end of the course. To be recommended for level 4, a student should have a combined Spanish grade average of at least 80% or higher in levels I, II & III. Students must be recommended for level IV by their teacher.

****Summer Work Required***

ENGLISH AS A SECOND LANGUAGE PROGRAMS

English Language Services English as a Second Language Bilingual Education

These programs will focus on the development and enhancement of English Language proficiency in students who have been identified as English Language Learners (ELLs). Students will be assessed annually through the WIDA ACCESS for ELLs, which will support students' needs in all classes. Program participation is not mandatory and students/families have the right to refuse services and supports. Students participate in the program until they have achieved the appropriate level of proficiency in English.

Course Name: ENGLISH LANGUAGE SERVICES

Weighted: NO

Eligible Grade level: 9-12

Credits: 5.00

Schedule: Full Year

Prerequisite(s): Home Language Survey, Previous Records, WIDA Test Scores

Course Description

ELS is a course designed for students whose first language is not English and whose test scores indicate they have limited proficiency in English. The course curriculum, which may extend more than one year will address cultural topics, grammar, interdisciplinary topics, and vocabulary. All four domains (listening, speaking, writing, and reading) will be focused on through these activities. Traditional resources will be utilized in conjunction with online, such as WIDA ACCESS practice test prompts and VOCES Digital when applicable and available.

The instructor will also serve as a liaison between students and their teachers to support their learning. The goal of this course is to increase English proficiency in all four domains as assessed by the WIDA ACCESS for ELLs, which is administered annually to ELL students.