

**WARREN HILLS
REGIONAL
SCHOOL
DISTRICT**

2021-2022

**PROGRAM OF
STUDIES**

WHRSD BOE Approval November 10, 2020

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EDUCATION - 2020**

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MISSION STATEMENT

The Warren Hills Regional School District challenges and empowers a dynamic, diverse student body in a supportive learning environment by providing academic and co-curricular opportunities to become successful, productive members of the global community.

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WARREN HILLS REGIONAL MIDDLE SCHOOL

Introduction

This document is a reference manual for students, parents/guardians, and faculty responsible for course planning in the Warren Hills Regional School District. The Program of Studies provides a complete picture of the courses offered at Warren Hills Regional Middle School (WHRMS) and Warren Hills Regional High School (WHRHS) for the 2021-2022 school year. Every department provides a description of the courses offered along with, when required, specific course prerequisites.

Planning an individual student's course of study requires communication and collaboration among students, parents/guardians and school personnel. The courses offered provide varied opportunities for students to explore new areas of study, focus on areas of interest, meet state and local graduation requirements and most importantly, prepare students for life beyond Warren Hills.

Students, when planning your next year's schedule, you are strongly encouraged to consider the following:

- Initial course choices are very important. You will have two (2) Course Request Verification opportunities, one in April and one in June. Changes to course schedules after June will be difficult to accommodate.
- Discuss with your parent/guardian(s), teachers, counselors and/or case managers subject area choices and levels. Your teachers will be able to share valuable insight on the specifics of each course.
- Make smart decisions about the requirements of your course selections. Account for work load and course demands so that you are able to maintain a healthy balance between school life and home life.
- Consider your involvement in co-curricular and extra-curricular activities and the impact this will have on the amount of time you will be able to focus on your academic responsibilities.

Scheduling Timeline

Changing courses after the beginning of the school year can be very disruptive to a student's schedule. It is extremely important to make good initial course choices. Students and families will have an opportunity to make course changes during the Course Request Verification periods in April and June.

The timeline for the 2021-2022 course selection process is listed below:

January 2021

- Program of Studies meetings for incoming 7th graders (WHRMS) & incoming 9th Graders (WHRHS).

January/February/March 2021

- Counselors and case managers will meet with all students to develop course schedules.

April 2021

- Course Request Verifications will be released online.
- Please note that this is NOT a schedule, rather a verification process for selected courses.
- If there are any discrepancies, students and/or parents/guardians are to notify the counselor or case manager immediately.

June 2021

- Final Course Request Verification will be released online.
- Please note that this is NOT a schedule, rather a verification process for selected courses.
- If there are any discrepancies, students and/or parents/guardians are to notify the counselor or case manager immediately.
- Careful review is crucial to ensure you have the correct and appropriate courses.
- Course change requests after the June date are not guaranteed.

COURSE APPEALS PROCESS FOR GRADE 9 PLACEMENTS

1. Prior to inputting recommendations into the student information system, Grade 8 teachers will conference with students.
2. During the 4th marking period students are permitted to inform his or her guidance counselor or case manager of the course(s) he or she wishes to appeal.
3. The guidance counselor or case manager provides students with the Course Appeals Process instructions and the Student Self-Assessment form. The completed form is due to the guidance counselor or case manager no later than ***14 days following the release of schedules.***
4. The student completes the Student Appeal Self-Assessment form and turns it into his or her guidance counselor or case manager.
5. Upon receipt of the Student Appeal Self-Assessment form the guidance counselor or case manager and the teacher completes an appeal rubric. The completed rubric is sent to the appropriate department supervisor.
6. The department supervisor will complete an appeal rubric as well. The supervisor will then contact the parent/guardian to discuss the appeal and decision within 14 days of receipt of the Student Appeal Self-Assessment and rubrics.

Please Note: The number of student requests for a course will determine if the course will run in the 2021-2022 school year.

DEPARTMENT OF BUSINESS

COURSE DESCRIPTIONS

Business Exploration 8

6282

Grade 8: Half Year

Have you ever wanted to own your own business? Do you ever wonder how products you buy like smartphones and tablets are made? In this course, students will explore the major aspects of working for a successful business and how it relates to their everyday life. Students will learn about entrepreneurship, marketing, economics and finance through the use of online shopping, advertising analysis, software simulations and more.

Multimedia & Design 7

6283

Grade 7: Half Year

The world of technology is advancing at a rapid pace and is a daily part of a student's life. This project-based course will provide students with digital tools that can be utilized throughout their educational career. Students will be introduced to the principles of design using online programs to create digital posters, web sites and video games. Multimedia programs will also be utilized to gain an understanding of audio & video editing as well as broadcasting.

DEPARTMENT OF ENGLISH LANGUAGE ARTS

Required Summer Reading: The Warren Hills Regional School District believes the development of critical reading skills is a crucial ingredient to future success. To encourage lifelong learning and to support academic skills, the district has instituted summer reading requirements for all students in Grade 7 and Grade 8. Summer reading selections are reviewed each spring. Assignments are distributed to students in English Language Arts classes in June. All assignments and directions are posted on the district website by mid-June.

COURSE DESCRIPTIONS

English Language Arts 7

1380

English Language Arts 7 is an integrated, balanced literacy program designed to address the New Jersey Student Learning Standards in English/Language Arts: Reading, Writing, Speaking & Listening and Language. During the year students work with various types of text (e.g. narrative, argument, literature, informational text, etc.) and also engage in media viewing literacy instruction. Lesson activities are designed to target all of the learning standards. Test preparation skills are specifically addressed through class instruction.

English Language Arts 8

1390

English Language Arts 8 is an integrated, balanced literacy program designed to address the New Jersey Student Learning Standards in English/Language Arts: Reading, Writing, Speaking & Listening and Language. English Language Arts 8 builds upon skills acquired in previous Language Arts classes. The level of reading and writing independence is expected to increase with each year a student is enrolled. During the year students work with various types of text (e.g. narrative, argument, literature, informational text, etc.) and also engage in media viewing literacy instruction. Lesson activities are designed to target all of the learning standards, as well as prepare students for the high school English program. Test preparation skills are specifically addressed through class instruction.

DEPARTMENT OF FINE ARTS

COURSE DESCRIPTIONS

Art & Graphics

7040

Grade 7, 8: Half Year

This course consists of an introduction to two and three-dimensional design. Projects will be created from a variety of media. Students will gain a fundamental knowledge of tools and methods. Career awareness is also emphasized.

Vocal and Dramatic Arts

7360

Grade 7,8: Full Year

This integrated course will explore the art of performing through both choral ensemble music and the theatre arts. Students will take part in large ensemble singing and acting classes as well as small group and individualized lessons using a variety of repertoire and materials. Vocal technique and choral ensemble singing will focus on developing the skills necessary for an individual to use their voice successfully in a variety of performance settings. Students will also gain knowledge about performing theater and creating original works. Through improvisation and acting skills, behind the scenes design, play studies and playwrighting, they will be challenged to take creative risks, push themselves outside their comfort zones, and use their imagination as they build confidence and community while working together as an ensemble. As a collaborative group, the class will create an original one act play. Students will perform in a minimum of two showcases per year.

Concert Band

7480

Grades 7, 8: Full Year

Prerequisite: Students should be able to demonstrate a two-year level of proficiency.

Concert Band is a regularly scheduled middle school class open to all qualified players of band instruments. Students will learn various genres of music with greater advancement of present music skills. Recommendations from elementary band instructors may be used for placement in this course for incoming Grade 7 students. The band performs a minimum of two concerts during the school year. Other performances may be scheduled for school assemblies and local community groups.

Adaptive Music

7950

Grades 7, 8: Full Year

The adaptive music and music appreciation program has been designed for students who may have special needs in the areas of mobility, physical health and wellness. Assisting students to realize their full potential in listening critically to sound and creating music in a multi-sensory environment. Activities are geared to help students practice and develop motor skills for playing instruments independently and develop social and behavioral skills for rehearsing and performing music in an ensemble setting. Opportunities to perform successfully will build confidence and enhance their self-esteem. Students are selected for this program by teacher, case manager, or doctor recommendation.

DEPARTMENT OF HEALTH & PHYSICAL EDUCATION

COURSE DESCRIPTIONS

Health 7

9275

Grade 7: Half Year

The Grade 7 health program is based on the total wellness approach and skills needed for living in our multicultural society. Through discussion and activities, all students will be introduced to the following content: substance abuse education, addiction and treatment, character development, safety, personal health, Lyme disease, nutrition and medicines.

Health 8

9284(F), 9285(M)

Grade 8: Half Year

The Grade 8 health curriculum includes instruction related to the development of communication skills, decision making, mental health conditions, growth and development, health services and careers, stress management, depression, harassment, intimidation, bullying, cyberbullying, planning and goal setting. A comprehensive family life unit is also taught. Family Life education addresses the subjects of gender roles, human growth and development, male and female reproductive systems, reproductive health, interpersonal relationships,

sexual behavior and responsibility, abstinence, contraception, pregnancy, childbirth, as well as AIDS and other sexually transmitted diseases and infections. An alternative course is also offered for students whose parents/guardians do not want them to take the family life unit.

Alternative Health 8

9290

Grade 8: Half Year

The alternative Grade 8 health curriculum includes instruction that is related to the development of effective communication, decision-making, and stress management skills. The focus is on mental health conditions, growth and development, health services, and careers, as well as behaviors that encompass harassment, intimidation, and bullying. The instruction also includes the anatomy and physiology of the circulatory system, with emphasis on cardiovascular diseases, along with the treatment and prevention of these diseases. The topic of cancer is also presented, concentrating on its origin, treatment, and prevention. The significance of our changing lifestyles, and increased leisure time and stress in relation to degenerative disease is discussed.

Physical Education 7 & 8

9260

Grades 7, 8: Half Year

The Grade 7 and 8 physical education program involves a variety of activities, which include team and individual sports, physical fitness programming, new games, mass games and lifetime or recreational activities. Emphasis is placed on each student experiencing success in developing the necessary skills to participate in all physical activities. In addition, knowledge of etiquette, safety, equipment, history, and values will be included. The major areas of emphasis may include aerobics, archery, basketball, flag football, flag rugby, handball, lawn games, mass games, new games, personal fitness, physical fitness testing, soccer, softball, speedball, ultimate Frisbee, and volleyball.

Adaptive Physical Education

9295

Grades 7, 8: Full Year

The adaptive physical education program has been designed for students who may have special needs in the areas of mobility, physical health and wellness. Assisting students to realize their full physical potential in spite of health, physical, social or emotional problems is the main goal of this course. Activities are geared to help the student experience success and to enhance their self-esteem. Students are selected for this program by teacher or doctor recommendation.

DEPARTMENT OF MATHEMATICS

COURSE DESCRIPTIONS

Mathematics 7

3601

Grade 7: Full Year

This full year course is the study of introductory algebra, similarity, ratio, proportion and percent, positive and negative numbers, linear relationships, three-dimensional measurement, probability and expected values, variability and comparisons. Students will engage in numerous problem solving and critical thinking tasks. Students will use calculators, software, and manipulatives to explore mathematical relationships and mathematical practices.

Accelerated Math 7

3060

Grade 7: Full Year

Prerequisite: Incoming Grade 7 students need to qualify based on multiple measures. (i.e. grades, teacher recommendations, standardized test scores, placement test scores).

Accelerated Math 7 is designed to prepare mathematically talented students to enter Algebra I. This course will be fast-paced and challenging, encompassing both 7th and 8th grade math standards, with a focus on algebraic thinking and problem-solving strategies.

Pre-Algebra 8

3050

Grade 8: Full Year

This course will emphasize algebraic thinking, problem solving and critical thinking. A variety of math topics will be covered throughout from algebra, probability, geometry, and symmetry. This course is designed to prepare students to meet the high school requirements of Algebra I.

Algebra I

3040

Grade 8: Full Year

Prerequisite: Students taking Algebra I need a mid-year and final grade of 80 or higher in Accelerated Math 7 and/or a teacher recommendation.

Algebra I is a rigorous course designed for the mathematically talented student. It bridges the gap between the concrete ideas of arithmetic and the abstract ideas of higher mathematics. Algebra I includes an in-depth study of equations and inequalities, operations with real numbers, algebraic expressions, functions and their graphs, quadratic equations, and irrational expressions. Problem solving will be incorporated throughout the course. Students will take the New Jersey Student Learning Assessment - Mathematics (NJSLA-M) Algebra I end-of-course test. Note: This may be subject to change per the New Jersey Department of Education graduation requirements.

Math Lab 7**3600**

Grade 7: Full Year

Prerequisite: Incoming Grade 7 students need to qualify based on multiple measures. (i.e. grades, teacher recommendations, standardized test scores, placement test scores).

This course is for Grade 7 students who are identified as "at risk" based on Grade 6 assessment results and other measures. The following areas will be emphasized: number sense, spatial sense and geometry; data analysis, probability, statistics, and discrete mathematics; patterns, functions, and algebra. The course will support the Mathematics 7 curriculum and it is a pass/fail course.

NOTE: A student may exit the program mid-year if he/she meets the program's exit criteria; i.e. post-assessment; and/or marking period(s) passing grades 80% and above in Math; and/or teacher recommendation.

Math Lab 8**3650**

Grade 8: Full Year

Prerequisite: Incoming Grade 8 students need to qualify based on multiple measures. (i.e. grades, teacher recommendations, standardized test scores, placement test scores).

This course is for Grade 8 students who are identified as "at risk" based on Grade 7 assessment results and other measures. The following areas will be emphasized: number sense, spatial sense and geometry; data analysis, probability, statistics, and discrete mathematics; patterns, functions, and algebra. The course will support the Pre-Algebra 8 curriculum and it is a pass/fail course.

NOTE: A student may exit the program mid-year if he/she meets the program's exit criteria; i.e. post-assessment; and/or marking period(s) passing grades 80% and above in Math; and/or teacher recommendation.

DEPARTMENT OF SCIENCE

COURSE DESCRIPTIONS

Science 7**4300**

Grade 7: Full Year

Students in this class will participate in an inquiry-based approach to learning science as an extension to the topics and concepts studied in Grade 6. Hands-on experiences are combined with a variety of teaching methods to involve students in activities, which demonstrate Physical, Life and Earth Science principles based on the NJSL-Science. The curriculum incorporates a focus on a variety of topics including, but not limited to, the structures and processes from molecules to organisms, heredity, biological evolution, atmosphere, and weather.

Science 8**4310**

Grade 8: Full Year

Students in this class will participate in an inquiry-based approach to learning science as an extension to the topics and concepts studied in Grade 7. Hands-on experiences are combined with a variety of teaching methods to involve students in activities, which demonstrate Physical, Life and Earth Science principles based on the NJSL-Science. The curriculum incorporates a focus on a variety of topics including, but not limited to, ecosystems, Earth's place in the universe, matter and atoms, the periodic table and energy transformations.

DEPARTMENT OF SOCIAL STUDIES

COURSE DESCRIPTIONS

Geography and Culture**2400**

Grade 7: Full Year

This course introduces students to basic geographical and cultural principles, which are foundational to the study of the social sciences, especially history. Through the study of geography and culture students will understand how contact among different cultural groups affects individuals, societies, and the physical environment. Upon completion of the course students will understand how human activities and institutions are an important factor in shaping our current physical world.

Civics**2410**

Grade 8: Full Year

This course focuses attention on the policies and processes of local, state, and national governmental institutions. Students will understand what government is and what it is designed to do; the basic history, values, and principles of American democracy and how the government established by the Constitution embodies them; the relationship of the United States to other nations as it pertains to world affairs, and how citizens and groups can effectively participate in the democratic process.

DEPARTMENT OF SPECIAL EDUCATION

It is the goal of the Warren Hills Regional School District to place students, to the maximum extent possible, in the least restrictive environment. Educational schedules for students receiving special education and related services are varied and individualized. Special education course selections are made in conjunction with the teacher, parent, and child study team input. For more information, please contact the child study team office or your child's case manager.

INDIVIDUALS WITH DISABILITIES EDUCATION ACT (IDEA)

Students formally identified with special needs receive an Individualized Educational Program (IEP) developed by the child study team (CST), parents, and professionals related to each student's individual case circumstances. For more information, confer with your case manager or the Supervisor of Special Education.

There are several distinct special education placement and program offerings for Grades 7 and 8:

- General Education Supplemental (GES)
- In-Class Support (ICS)
- Language/Learning Disabilities (LLD); Behavioral Disabilities (BD); Multiple Disabilities/Autism Programs (MD/AU)

COURSE DESCRIPTIONS

General Education Supplemental (GES)

Grades 7, 8: Full Year

This placement provides learners with supplementary aids and services in the general education setting to enable students with disabilities access to the general education curriculum in the least restrictive setting. This educational placement affords learners with disabilities to be educated to the maximum extent possible with non-disabled peers (N.J.A.C. 6A: 14-4.5).

Within the GES setting, all students are expected to master the goals of the general curriculum, participate in all activities, and complete all requirements of the class with minimal academic support and assistance.

In-Class Support (ICS) Program

Grades 7, 8: Full Year

This placement provides a collaborative/co-teaching framework at the middle and high school. Learners are supported with a team teaching partnership that combines a general and a special educator who work as a team in a designated content area.

This arrangement affords learners with disabilities an opportunity to receive supported instruction in a regular education setting with non-learning disabled peers, a content specialist and a special education practitioner who is able to provide modifications and adjustments to meet the needs of learners with disabilities.

Within the ICS setting, all students are expected to master the goals of the general curriculum, participate in all activities, and complete all requirements of the class with modifications and supports that maintain the course goals and objectives.

Language/Learning Disabilities (LLD) Program

9972

Grades 7, 8: Full Year

This is a comprehensive program placement that provides learners with disabilities instruction in core academics. The emphasis is on developing areas where learners may have educational deficits in order to build and scaffold academic skills and transition learners to a lesser restrictive setting.

Study Skills

9975

Grades 7, 8 Full Year

The Study Skills Class is designed to assist students in learning, understanding, and reinforcing concepts and/or assignments presented in the general curriculum. Students have the opportunity to develop and strengthen good study habits and learning strategies through various instructional methods and strategies. Specific goals and objectives identified in the student's IEP will be integrated into the class. The study skills teacher will collaborate with regular education teachers on an on-going basis to develop study strategies and design lessons to best meet academic requirements of the regular classroom. Study Skills is a support class for students taking regular education classes with the emphasis being placed on success in core classes.

Behavioral Disabilities (BD) Program**9987**

Grades 7, 8: Full Year

This program placement provides learners who meet the federal criteria with academic instruction in the core subjects, as well as pro-social skills, in order to assist students in developing critical social and emotional areas. Curriculum work focuses on the development of personal responsibility, academic skills, social and emotional development within the context of school, home/family, and community.

Multiple Disabilities/Autism Program**9980**

Grades 7, 8: Full Year

This program placement emphasizes the development of life skills necessary for transition to adult life. Instruction is provided in a more restrictive setting where learners with diverse abilities are able to benefit from a systematic educational approach that is centered on individualized programming and skill development.

Students who are enrolled in this program benefit from an instructional setting that incorporates specific educational goals and community involvement. Core academic instruction includes social skills, life skills, functional academic skills, employment readiness and community based learning. The instructional program offers a therapeutic setting and functional academic and living skills, supported by a qualified Behaviorist or Board Certified Behavior Analyst (BCBA) as needed.

DEPARTMENT OF TECHNOLOGY EDUCATION

COURSE DESCRIPTIONS

STEM 8**8655**

Grade 8: Half Year

STEM 8 is a course that focuses on the integration of four specific disciplines (Science, Technology, Engineering, and Mathematics) by taking an interdisciplinary, applied approach. The course incorporates eighth grade math (ex. Algebra and Volume of Geometric Shapes) and science concepts (ex. Buoyancy and Simple Machines) and utilizes technology and engineering principles that require students to create solutions to challenging problems. Throughout the semester, students will be presented with design challenges that will require them to use skills taught in class such as developing two and three-dimensional sketches. Additionally, students will learn to use a variety of tools including hand tools, power tools and Computer Aid Drawing [CAD] tools in order to create working models to meet the design challenge specifications. Throughout this course, students' achievement will be assessed through a combination of tests/quizzes and by completing multi-step engineering design challenges.

Robotics 7**8660**

Grade 7: Half Year

This course will provide 7th grade students the basic fundamentals of robotics and is rooted in self-discovery and self-inquiry. Students will be given a real-world problem that they will attempt to solve from the design phase through implementation/presentation. Students will work collaboratively on teams to tackle the problem through critical thinking and creative problem-solving. Students will be introduced to Computer Science principles through the use of Lego Mindstorm robotics kits.

Computer Science 7**8665**

Grade 7: Half Year

Computer Science 7 is an introductory course that emphasizes problem-solving, creation, and collaboration, while introducing students to the many ways computer science impacts their lives. Students will explore the different ways humans and computers utilize the problem-solving process. The course inspires students as they build their own websites using HTML/CSS and create games using JavaScript.

Computer Science 8**8670**

Grade 8: Half Year

Computer Science 8 expands upon CS7 principles to emphasize how computer science is a part of students' everyday lives. Students will follow the design process to prototype an App with the goal to solve a real-world problem. The course examines the relationship between hardware and software as students build interactive projects on Adafruit's Circuit Playground.

DEPARTMENT OF WORLD LANGUAGES/ESL

Colleges and universities demanding a foreign language for admission desire competency in speaking, listening, reading, and writing in the target language. *To reach the Advanced Placement Level of a World Language in high school, Level I of a language must be successfully completed in Grade 8.*

COURSE DESCRIPTIONS

World Language Exploration

Grade 7: Half Year Per Language, Select 2

French 5005
German 5105
Spanish 5205

These introductory courses are designed to familiarize the student to the basics of world language study. Students will have an opportunity to explore both the spoken and written language, as well as study various aspects of culture, such as greetings, geography, music, and the calendar. Emphasis will be placed upon interpersonal interaction and basic language words and phrases. Teachers will use an interactive approach.

World Language 8

Grade 8: Full Year

Spanish 5215

The World Language Grade 8 - Spanish courses focuses on many of the topics presented in the World Language Level I – Spanish. World Language 8 - Spanish thoroughly prepares students for a successful transition into Spanish I in high school.

World Language I

Grade 8: Full Year

Prerequisite: Teacher recommendation. This is a high school level course.

French 5010
German 5110
Spanish 5210

The beginning level of formal world language study introduces the student to the fundamental principles of the language and begins to develop the language skills of listening, speaking, reading, and writing. Using a variety of teacher-made, commercial and authentic materials the student will be afforded ample opportunity to become actively involved with the language and culture. Although the beginning level of world language study concentrates on the students' understanding and recognition of basic grammatical functions, equal emphasis is placed upon the students' ability to use the language in familiar everyday situations. Students successfully completing this course will continue the study of high school World Language at Level II.

English as a Second Language (ESL)

5300

Grades 7, 8: Full Year

Students enrolled in English as a Second Language (ESL) come to Warren Hills from a variety of cultural backgrounds and with varied levels of English skills. Instruction must therefore be individualized. The curriculum appropriate for any given student is modified through varying techniques, strategies, and materials. The program is designed to encourage students to maintain their identity, language and cultural heritage, while learning a new language and adapting to a new cultural environment. The principal goal is to prepare ESL students to be as functional as possible, as soon as possible, in the English-speaking classroom.

ADDITIONAL EDUCATION PROGRAMS

Warren Hills Regional Middle School students are afforded additional educational programs which enable them to achieve academic success beyond the courses offered by our academic departments. *Interested students and their parents/guardians should speak to the guidance counselor or case manager about any of these options. Refer to the choices below.*

COURSE AND/OR PROGRAM DESCRIPTIONS

Enrichment/Intervention Period

Every student at the middle school will have in their schedule one period daily that will allow students to receive extra support in one of the four core subjects (English Language Arts, Math, Social Studies, Science). This will allow core subject teachers to provide students extra help if they are struggling with current class concepts along with providing teachers the opportunity to impart enrichment activities for students who have demonstrated understanding.

Alternative Learning Community Program

Grades 7, 8: Full Year

The Alternative Learning Community (ALC) is designed to assist students who have academic and/or social needs that may affect their chances for success in the regular school program. Limited class size and intense individual counseling enable concentrated efforts to address any identified need(s). When sufficient progress is made, students are placed out of the ALC and mainstreamed. Recent experience suggests that most students show remarkable growth in this secure school setting.

Horizons Program

Grades 7, 8: Full Year

The Horizons Program of Warren Hills may include identified Gifted and Talented Students; however, it is available to all students who have an interest in developing and challenging original ideas, especially as solutions to problems. Warren Hills is a member of the Warren County Consortium for Student Enrichment, which sponsors many opportunities for middle school students. The Horizons Program also participates in the Bridgewater-Raritan Academic Tournament of Middle Schools (ATOMS) and the high school Warren-Hunterdon Academic Meet (WHAM). In addition to participation in county and state activities, the Horizons Program sponsors *extra-curricular* opportunities such as writing conferences and arts symposiums for both the middle and high school students. All the activities are designed to stimulate high levels of thinking, promote creative and critical problem solving, and develop leadership skills.

Gifted and Talented Program

Grades 7, 8

The WHRMS Gifted and Talented Program is designed with three main goals in mind: (1) To connect the entire school community to the School-wide Enrichment Model (Renzulli & Reis) whereby all students are provided enrichment opportunities; (2) To identify students that display the characteristics of giftedness and provide in-depth, accelerated and complex learning opportunities; and (3) To provide gifted and talented students enrichment clusters that expand their interests and knowledge outside of the typical school curriculum. NOTE: The Gifted and Talented Program mainly occurs during the instructional day. A determination of gifted and talented status will be in accordance with Board of Education Policy #2464 – Gifted and Talented Students.

Please reference Board of Education Policy #2464 at www.warrenhills.org.

Reading Support Program

Grades 7, 8

The Reading Support Program is designed to provide additional resources, instruction, and reinforcement in reading and literacy skills concurrent with students' English Language Arts classes. The goal of the Reading Support Program is to improve student reading comprehension, fluency, and stamina so that they are reading on grade level. Students in need of this program will be identified through multiple measures and teacher recommendation. The Reading Support Program will occur as part of the Intervention and Enrichment period.

WARREN HILLS REGIONAL HIGH SCHOOL

Introduction

This document is a reference manual for students, parents/guardians, and faculty responsible for course planning in the Warren Hills Regional School District. The Program of Studies provides a complete picture of the courses offered at Warren Hills Regional Middle School (WHRMS) and Warren Hills Regional High School (WHRHS) for the 2021-2022 school year. Every department provides a description of the courses offered along with, when required, specific course prerequisites.

Planning an individual student's course of study requires communication and collaboration among students, parents/guardians and school personnel. The courses offered provide varied opportunities for students to explore new areas of study, focus on areas of interest, meet state and local graduation requirements and most importantly, prepare students for life beyond Warren Hills.

Students, when planning your next year's schedule, you are strongly encouraged to consider the following:

- Initial course choices are very important. You will have two (2) Course Request Verification opportunities, one in April and one in June. Changes to course schedules after June will be difficult to accommodate.
- Discuss with your parents, teachers, counselors and/or case managers subject area choices and levels. Your teachers will be able to share valuable insight on the specifics of each course.
- Make smart decisions about the requirements of your course selections. Account for work load and course demands so that you are able to maintain a healthy balance between school life and home life.
- Consider your involvement in co-curricular and extra-curricular activities and the impact this will have on the amount of time you will be able to focus on your academic responsibilities.

Scheduling Timeline

Changing courses after the beginning of the school year can be very disruptive to a student's schedule. It is extremely important to make good initial course choices. Students and families will have an opportunity to make course changes during the Course Request Verification periods in April and June.

The timeline for the 2021-2022 course selection process is listed below:

January 2021

- Program of Studies meetings for incoming 7th graders (WHRMS) & Incoming 9th graders (WHRHS).

January/February/March 2021

- Counselors and case managers will meet with all students to develop course schedules.

April 2021

- Course Request Verifications will be released online.
- Please note that this is NOT a schedule, rather a verification process for selected courses.
- If there are any discrepancies, students and/or parents are to notify the counselor or case manager immediately.

June 2021

- Final Course Request Verification will be released online.
- Please note that this is NOT a schedule, rather a verification process for selected courses.
- If there are any discrepancies, students and/or parents are to notify the counselor or case manager immediately.
- Careful review is crucial to ensure you have the correct and appropriate courses.
- Course change requests after the June date are not guaranteed.

August/September

- Changes once school starts will be limited to placement changes and core course issues.
- Students, parents, teachers, counselors/case managers and supervisors must all be in agreement before any and all changes are made.

Adding a course after the start of the year

- Adding a **first semester course or full year course** must be completed no later than the 3rd four-day schedule rotation, or 12 school days from the beginning of the first semester.
- Adding a **second semester course** must be completed no later than the 3rd four-day schedule rotation, or 12 school days from the beginning of the second semester.

Dropping a course after the start of the school year

- Dropping a **first semester course or full year course** must be completed no later than the 3rd four-day schedule rotation, or 12 school days from the beginning of the first semester.
- Dropping a **second semester course** must be completed no later than the 3rd four-day schedule rotation, or 12 school days from the beginning of the second semester.
- A grade of “Withdrawal” will be given to each student who withdraws from a course of study after the 3rd cycle of classes.
 - A grade of “withdrawal-passing” (WP) will be given to each student who withdraws after having demonstrated satisfactory achievement and attendance in the course.
 - A grade of “withdrawal-failing” (WF) will be given to each student who withdraws after having demonstrated unsatisfactory achievement and/or poor attendance in the course or who was removed from the course by administrative action.
- Please refer to Board of Education Policy & Regulation #2624 - Grading System.

COURSE APPEALS PROCESS

1. Students wishing to appeal their placement for the next school year will conference with the teacher regarding the reasons for the placement recommendation.
2. During the 4th marking period students are permitted to inform his or her guidance counselor or case manager of the course(s) he or she wishes to appeal.
3. The guidance counselor or case manager provides students with the Course Appeals Process instructions and the Student Self-Assessment form. The completed form is due to the guidance counselor or case manager no later than **14 days following release of schedules**.
4. The student completes the Student Appeal Self-Assessment form and turns it into his or her guidance counselor or case manager.
5. Upon receipt of the Student Appeal Self-Assessment form the guidance counselor or case manager, and the teacher, complete an appeal rubric. The completed rubric is sent to the appropriate department supervisor.
6. The department supervisor will complete an appeal rubric as well. The supervisor will then contact the parent/guardian to discuss the appeal and decision within 14 days of receipt of the Student Appeal Self-Assessment and rubrics.

Parents/guardians should consider the following points and thoroughly discuss them with the student when making an appeal:

- Honors and AP courses require more time and energy from the student to be successful than what is required from the General or College Preparatory (CP) level courses.
- Once a course level appeal is approved, subsequent changes to the course level will not be made during the school year without administrative approval.

Progression of Courses

Course sequence charts are located after each department’s course descriptions. After reviewing them please contact your counselor or case manager with further questions.

COURSE DESCRIPTION ABBREVIATIONS

CP – College Preparatory Course Level

H - Honors Course Level

AP – Advanced Placement Course Level

DUAL – Dual Enrollment Course with selected colleges and universities

NJSLA - New Jersey Student Learning Assessment

NCAA – NCAA-Approved Course

21st - Meets NJDOE 21st Century Learning Standards Requirement

VPA - Meets NJDOE Visual and Performing Arts Requirement

Please Note: The number of student requests for a course will determine if the course will run in the 2021-2022 school year.

GRADUATION REQUIREMENTS

Students must meet both the state and locally adopted requirements necessary to obtain a state-endorsed diploma, including the Warren Hills Regional School District attendance policy, credit requirements, and a demonstration of proficiency in English Language Arts and Mathematics on state-authorized standardized assessments.

REQUIREMENT	CREDITS	GRADUATION REQUIREMENTS
English Language Arts	20	1 required core course each year in Grades 9-12.
Health/Physical Education	20	Required course for each student in all grades; to include 2.5 credits in Driver's Education in Grade 10.
Mathematics	15	To include algebra, geometry, and a third year of mathematics that builds on the concepts and skills of algebra and geometry; beginning with the class of students who enter Grade 9 in the 2016-2017 school year, the Advanced Placement Computer Science course may satisfy a part of the mathematics credits required for graduation.
Social Studies	15	5 credits in world history and 10 credits in United States history.
Science	15	At least 15 credits including lab biology; a choice among chemistry, physics or environmental science; and a third inquiry-based lab or technical science; beginning with the class of students who enter Grade 9 in the 2016-2017 school year, the Advanced Placement Computer Science course may satisfy a part of the mathematics credits required for graduation.
Visual and Performing Arts	5	Any course in the Program of Studies with the "(VPA)" designation
21 st Century Life and Careers/Career & Technology	5	Any course in the Program of Studies with the "(21st)" designation.
World Language	5	However, many colleges and universities require students to demonstrate at least 2 years (10 credits) proficiency in a world language.
Financial Literacy	2.5	Recommended to be taken in Grade 9

NOTE: Total of 135 Credits needed for graduation

Students must demonstrate proficiency in English Language Arts and Mathematics by meeting the criteria of one English Language Arts test and one Mathematics test. More information is available from the New Jersey Department of Education (NJDOE) at www.state.nj.us/education/. Please reference the Board of Education Policy #2622 and #5460 at www.warrenhills.org.

DUAL ENROLLMENT

Warren County Community College (WCCC):

Warren Hills Regional High School participates in the dual enrollment program offered by Warren County Community College (WCCC). This program, *independent of the AP Program*, provides our students with the opportunity to earn transferable college credit while completing selected high school classes at no cost to the student. Students participating in the dual enrollment program take the course(s) at Warren Hills. Please see the next page for a list of eligible courses. Eligible courses and academic requirements are subject to change at the discretion of WCCC. Please contact the Guidance Department for more information.

Centenary University (CU):

Warren Hills Regional High School also participates in a dual enrollment program offered by Centenary University. Social Media Marketing (SMM) II Course is the first Warren Hills' course approved for dual enrollment at Centenary University.

For more information about college credit transfer, contact your local community college, the four-year institution of interest, or visit www.njtransfer.org.

WHRHS Course		Dual Enrolled	Dual Enrolled Course		Credits
601	Accounting II/H	WCCC	ACC 101	Principles of Accounting I	3
413	AP Biology	WCCC	BIO 162 BIO 163	General Biology I General Biology II	4 4
419	AP Chemistry	WCCC	CHE 110 CHE 164	Introduction to Chemistry General Chemistry	4 4
660	Microsoft Office Specialist Certification Course I	WCCC	CSC 102	Introduction to Technology	2
661	Microsoft Office Specialist Certification Course II	WCCC	CSC 200	Database Management Concepts	3
127	AP Language & Composition*	WCCC	ENG 140	English Composition I	3
137	AP Literature and Composition*	WCCC	ENG 141	English Composition II	3
235	AP European History	WCCC	HIS 101 HIS 102	Western Civilization I Western Civilization II	3 3
216	AP U.S. History II	WCCC	HIS 114	American History II	3
335	AP Statistics	WCCC	MAT 151	Statistics	3
326	AP Calculus	WCCC	MAT 201	Calculus I	4
451	AP Physics I	WCCC	PHYS 111	College Physics I	4
452	AP Physics II	WCCC	PHYS 112	College Physics II	4
621	Business Administration/H	WCCC	BUS 120 BUS 124	Business Organization & Management Principles of Management	3 3
355	AP Computer Science A	WCCC	CSS 122	Programming II	3
356	AP Computer Science Principles	WCCC	CSC 103	Introduction to Computing	3
332	Advanced Topics in Computer Science/H	WCCC	CSC 228	Advanced Programming Techniques	3
403	AP Environmental Science	WCCC	BIO 165	Environmental Studies	4
331	Introduction to Computer Science	WCCC	CSC 121	Programming I (C++)	3
607	Business Law	WCCC	BUS 122	Business Law	3
306	Algebra II/H	WCCC	MAT 131	College Algebra I	3
208	Criminal Justice	WCCC	CRJ 105	Introduction to Criminal Justice	3
505	French III	WCCC	FOR 103	Beginning French I	3
507	French IV/H	WCCC	FOR 133	Beginning French II	3
525	Spanish III	WCCC	FOR 101	Beginning Spanish I	3
527	Spanish IV/H	WCCC	FOR 151	Beginning Spanish II	3

529	AP Spanish V	WCCC	FOR 201 FOR 251	Intermediate Spanish I Intermediate Spanish II	3 3
203	Sociology	WCCC	SOC 103	Introduction to Sociology	3
737	Music Theory and Technology	WCCC	MUS 195	Fundamentals of Music Theory	3
237	AP World History: Modern	WCCC	HIS 101 HIS 102	Western Civilization I Western Civilization II	3 3
691.1	Social Media Marketing (SMM) II	CU	BUS 2050	Social Media Marketing	4

**To receive dual enrollment credit, as required by Warren County Community College, a student must take the following course sequence: AP English: Language and Composition in Grade 11; AP English: Literature and Composition in Grade 12.*

GRADING SCALE

GPA Weighting: Honors courses receive an additional weighting of .5 and AP courses receive an additional weighting of 1.0.

Students who earn a 97-100 in an Honors or AP level course will receive an additional .2 weight added to the grade point value for that course.

Letter Grade	Percentage	4.0 Scale	Honors Scale	AP Scale
A+	97-100	4.0	4.7	5.2
A	93-96	4.0	4.5	5.0
A-	90-92	3.7	4.2	4.7
B+	87-89	3.3	3.8	4.3
B	83-86	3.0	3.5	4.0
B-	80-82	2.7	3.2	3.7
C+	77-79	2.3	2.8	3.3
C	73-76	2.0	2.5	3.0
C-	70-72	1.7	2.2	2.7
D+	67-69	1.3	1.8	2.3
D	65-66	1.0	1.5	2.0
E/F	Below 65	0.0	0.0	0.0

Effective September 1, 2014. This grading scale is not retroactive to prior school years.

For additional information on the Grading Policy, please reference Board of Education Policy & Regulation #2624

REPORT CARDS AND PROGRESS REPORTS

Report cards and progress reports are each posted four times a year on the student information system, Genesis. Paper report cards and progress reports can be requested by families with limited computer access. For more information, please contact your student's counselor.

HONOR ROLL

Recognition for academic achievement is awarded using an honor roll system with the following criteria:

- **Principal's Honor Roll**
All grades must be an A- (90) or higher.
- **High Honor Roll**
All grades must be a B (83) or higher, and a grade average of A- (90) must be attained.
- **Honor Roll**
All grades must be a B- (80) or higher, and a grade average of B (83) must be attained.

NJSIAA ELIGIBILITY RULES

Any student who wishes to compete in interscholastic sports must meet the minimum credit requirements established by the New Jersey State Interscholastic Athletic Association (NJSIAA). A student must have passed **30 credits** in the previous year to be eligible for participation in sports offered in the fall and/or winter. To be eligible for sports offered in the spring, a student must have passed the equivalent of **15 credits** in the fall semester.

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA)

For additional information regarding athletic eligibility at the collegiate level, please visit www.ncaa.org and www.eligibilitycenter.org. For more information, please contact your guidance counselor or case manager. Please refer below for NCAA List of Approved Courses.

Note: It is the responsibility of the student and/or parent/guardian to ensure compliance with all NCAA eligibility requirements. It is recommended that you consult with the guidance department regarding course selection prior to entering Grade 9 if you hope/plan to participate in collegiate athletics.

Department	NCAA Approved Course			
English	AP English-Literature & Composition	AP English-Language & Composition	Creative Writing	English I CP
	English I/H	English II CP	English II/H	English III CP
	English IV CP	English III/H	English IV/H	Intro to Debate
	Intro to Mythology	Journalism	Public Speaking	Shakespeare
Social Studies	AP European History	AP US Government & Politics	AP US History II	AP World History
	AP World History	US History I CP	World History CP	Criminal Justice
	Genocide - Betrayal of Humanity	US History II/H	Intro to Social Science	Sociology
	US History I	US History I/H	US History II	US History II CP
	US History II/H	World History	World History/H	
Mathematics	Algebra II	Algebra I	Algebra II	AP Calculus
	AP Computer Science	AP Computer Science Principles	AP Statistics	Calculus

	CP Algebra I	CP Algebra II	CP Geometry	CP Pre-Calculus
	CP Probability & Statistics	Discrete Math	Geometry	Advanced Topics in Computer Science/H
	Algebra II/H	Geometry/H	Pre-Calculus/H	Introduction to Computer Science
Science	AP Biology	AP Chemistry	AP Environmental Science	AP Physics I
	AP Physics II	Conceptual Chemistry	Biology CP	Chemistry T/CP
	Chemistry/H	Physics CP	Anatomy & Physiology/H	Biology/H
Additional Core Courses	AP French V	AP German V	AP Spanish V	French I
	French II	French III	German I	German II
	German III	French IV/H	German IV/H	Spanish IV/H
	Spanish I	Spanish II	Spanish III	

HONORS ENTRANCE CRITERIA

GRADE 9	GRADES 10, 11 AND 12
ENGLISH LANGUAGE ARTS	
Grade 8 students should have a final average of 90 or higher in English Language Arts 8 or have a teacher recommendation to enroll in Honors English I.	Students in a College Preparatory course should have a final average of a 90 or higher to enroll in an Honors or AP course or have a teacher recommendation.
	Students in an Honors or AP course should have a final average of 80 or higher to maintain Honors or AP eligibility.
MATHEMATICS	
Grade 8 Algebra I students should have a final average of 90 or higher or have a teacher recommendation to enroll in Honors Geometry.	Students in a College Preparatory course should have a final average of 90 or higher to enroll in an Honors or AP course or have a teacher recommendation.
	Students in an Honors or AP course should have a final average of 80 or higher to maintain Honors or AP eligibility.
SOCIAL STUDIES	
Grade 8 students should have a final average of 90 or higher in Civics 8 or have a teacher recommendation to enroll in Honors World History.	Students in a College Preparatory course should have a final average of a 90 or higher to enroll in an Honors or AP course or have a teacher recommendation.
	Students in an Honors or AP course should have a final average of 80 or higher to maintain Honors or AP eligibility.
SCIENCE	
Grade 8 students should have a final average of 90 or higher in Science 8 or have a teacher recommendation to enroll in Honors Biology.	Students in a College Preparatory course should have a final average of a 90 or higher to enroll in an Honors or AP course or have a teacher recommendation.
	Students in an Honors or AP course should have a final average of 80 or higher to maintain Honors or AP eligibility.
WORLD LANGUAGE	
Students in a Level III language course should have a final average of a 90 or higher to enroll in an Honors Level IV course or have a teacher recommendation. Students in an Honors Level IV course should have a final average of 80 or higher to maintain AP eligibility.	
LEVEL PLACEMENT PROCEDURES	

Teacher recommendation will be the first step in the process.

Mid-Year: Faculty will examine Marking Period 1 and 2 grades.

End of Year: Student placement may be adjusted based upon final grade and/or teacher recommendation.

DEPARTMENT OF BUSINESS

Students may elect courses from the department to fulfill graduation requirements in 21st century life and careers/career-technical education.

COURSE DESCRIPTIONS

Accounting I (21st)

601

Grades 9, 10, 11, 12: 5 Credits

Basic accounting procedures are explored for proprietorships and corporations. Areas of study include journalizing and posting transactions, preparing financial statements, and maintaining a checking account. Development of organizational skills, attention to detail, and responsibility are a focus of instruction. Students will participate in a simulation during the fourth marking period in which they “keep the books” for a merchandising business organized as a corporation. The simulation allows students to experience the demands of a real accounting office.

Honors Accounting II (21st), (Dual)

603

Grades 10, 11, 12: 5 Credits

Prerequisite: To enter this course a student should have earned a grade of 85 or higher in Accounting I, and have a teacher recommendation.

Students continue their study of accounting at a more advanced and challenging level. This course is designed for, but not limited to, students who wish to pursue majors in accounting or business administration, or who plan to enter the workforce directly out of high school. Areas of study include journalizing for departmentalized businesses and corporations, depreciation, inventory valuation, managerial accounting, uncollectible accounts, and financial statements. Synthesis and analysis of data, meeting deadlines, and attention to detail are stressed. A simulation is the culminating activity in this course during the fourth marking period.

Business Law (21st), (Dual)

607

Grades 9, 10, 11, 12: 5 Credits

This course deals with the basic principles of law emphasized in terms of transactions between individuals. Ethics, torts and crimes, the court system, and contracts are among the topics covered. The unusual and technical points of law are presented in language that any student can readily understand. It also encompasses various topics that form an academic background for the legal environment in business and industry. Students who wish to pursue careers in business, business administration or law are encouraged to enroll.

Honors Business Administration (21st), (Dual)

621

Grades 9, 10, 11, 12: 5 Credits

Having an awareness and understanding of how businesses operate and how corporations are managed will help students become successful employees, investors, and business leaders. Important topics and business concepts applicable to real-world situations will be emphasized. This course will provide a foundation for entry-level knowledge on the collegiate level as well as useful information for everyday life. Areas of study will include ownership and operation of a business, competition in the business world, and various management styles, which will provide students with an overview of business in the upcoming decade. This elective is strongly suggested for those students interested in business careers or studying business administration in college.

Portfolio Presentation (21st)

632

Grades 9, 10, 11, 12: 2.5 Credits

Students will have the opportunity to learn how to speak to an audience and present materials using the latest technology available. Students will use universal topics of interest and learn how to research information, utilize the Internet, organize outlines, and create professional presentations. In a hands-on workshop setting, students will incorporate proper Business English and communication through effective speaking. Students will learn techniques and etiquette for designing multimedia presentations.

Financial Literacy**667**

Grade 9, 10, 11, 12: 2.5 credits

This is the designated course to meet the 2.5 credit financial, economic, business, and entrepreneurial literacy graduation requirement as mandated by the State of New Jersey.

This course will offer fundamentals in financial literacy. Students will learn about their role in the economic system; choices that affect income, income sources, purchasing power, personal financial planning, banking procedures, personal risk management, credit, saving, investing and planning for the future.

Microsoft Office Specialist Certification Course I (21st), (Dual)**660**

Grades 9, 10, 11, 12: 5 Credits

This course incorporates the Microsoft Office 2019 suite of applications and prepares students for industry-level certification as a “Microsoft Office Specialist (MOS).” Students will utilize Microsoft applications in a variety of professional and educational scenarios while preparing for Certification testing. Official “MOS” Certification testing is embedded into the course curriculum and is free to enrolled students. Students will have an opportunity to leave high school with internationally recognized Microsoft Certifications and authentic skills useful in increasing their marketability in all college and career paths. The Microsoft Office Specialist course provides focused instruction in word processing (Word), spreadsheets (Excel), presentations (PowerPoint) and task management (Outlook). Computer aptitude or previous experience in basic keyboarding skills is required. File Management, storage, and organization are also a focus.

**Microsoft Office Specialist Expert (21st), (Dual)
Certification Course II****661**

Grades 10, 11, 12: 5 Credits

Prerequisite: To enter this course a student should have earned a grade of 80 or higher in 660 Microsoft Office Specialist Certification Course I and have a teacher recommendation.

This course focuses on the application and integration of database management using Microsoft Access 2019. The established curriculum prepares students for industry recognized certification as a “Microsoft Office Specialist MASTER” as well as “Microsoft Office Specialist Expert” in Microsoft Word and Excel 2019. It is designed to provide students the opportunity to develop essential college and career ready skills while earning advanced industry certification. Throughout the course of instruction, students will engage in authentic hands-on learning to manage and enhance databases, spreadsheets, sources of data, reports and documents within an authentic professional environment. File management, storage and organization is also a focus requiring students to employ professional technology strategies and skills.

Web Page Design (21st)**650**

Grades 9, 10, 11, 12: 2.5 Credits

This course is designed for students who wish to learn the steps and techniques used to develop a solid web design plan. It will give students an in-depth understanding of web design concepts and techniques that are essential to planning, creating, testing, publishing, and maintaining websites for both personal and business use. Students will utilize the World Wide Web as a repository of current information in an ever-changing discipline. An on-going case study approach will be used to create, edit and maintain a web design project.

Sales and Marketing (21st)**670**

Grades 9, 10, 11, 12: 2.5 Credits

During the 21st century, many of our students will begin their adult lives employed in the fastest growing industry in the United States and internationally, the service industry. This course affords students the opportunity to develop the skills and knowledge required in the field of sales and marketing to pursue employment or further education.

Investing and Finance (21st)**674**

Grades 10, 11, 12: 2.5 Credits

Prerequisite: Students who have successfully completed Financial Literacy-

Students will explore the financial markets and learn about-economic indicators that influence investing decisions, such as retirement savings, 401k options and other long-term goals. By participating in The Stock Market Game, students will apply knowledge gained to buy and sell decisions using various investment vehicles.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

DECA

Distributive Education Clubs of America Leadership (21st)

695

Grades 10, 11, 12: 2.5 Credits

Pre-requisite: Students must have taken or be currently enrolled in one other business class offered at the high school, excluding financial literacy.

This is a leadership training course and co-curricular program that serves as a career and technology organization for students interested in serving as DECA members. Students taking this course will enhance their business skills through authentic learning activities and be provided scholarship opportunities through DECA. Careers studied will be in marketing, merchandising, business management, hospitality, tourism and finance with a focus on entrepreneurship and business operations. Classroom instruction concentrates on DECA activities, leadership, and other phases of career development. The DECA competitive events program is recognized nationally and directly supports skill development for being college and career ready upon graduation from high school. To be considered for this course: ● Enroll as a state and national DECA member for the year in which they are taking the course. ● Participate in DECA conferences and events.

Introduction to Entrepreneurship (21st)

685

Grades 9, 10, 11, 12: 2.5 Credits

This course is designed for students seeking knowledge of the necessary components required to manage a small business successfully. The course will provide many beneficial experiences for students wishing to explore the business world.

Fashion Merchandising (21st)

690

Grades 9, 10, 11, 12: 2.5 Credits

This course will introduce students to business marketing and merchandising as we explore the exciting world of fashion. The fashion industry represents billions of dollars in sales, is rapidly growing throughout the world, and is affected by local and global economies. Students will examine the wide variety of fashion businesses and careers available. We will also explore the history through decades of fashion, design and buying centers, fashion trends and fads, textiles and manufacturing, retailing and promoting fashion, and career preparation. The course is open to all students interested in business or fashion.

Principles of Economics (21st)

656

Grades 9, 10, 11, 12: 2.5 Credits

An introduction to the methodology and tools used by economists, economic theory, policy and history will be examined along with current economic issues. Types of competition, market structures, and supply/demand influences are studied along with the role of government in promoting economic efficiency. The market system and various mechanisms for determining prices and allocating resources will be examined.

Sports and Entertainment Marketing/Management (21st)

671

Grades 9, 10, 11, 12: 2.5 Credits

Sports and Entertainment Marketing is one of the most exciting and competitive businesses in the world. This course will introduce students to the sports and entertainment industries, types of consumer products, marketing research, marketing strategies, branding, licensing and exploration of careers in these popular fields. The course includes application activities featuring sports marketing simulations and business scenarios.

Social Media Marketing (SMM) I (21st)

691.1

Grades 10, 11, 12 - 2.5 Credits

Prerequisite: Students should have successfully completed any full or half-year business course excluding Financial Literacy.

This is a foundation course.

As traditional forms of media continue to trend downwards, and technology continues to become more intertwined into our daily lives, businesses are challenged with getting their message in front of their desired customer base. Social Media Marketing is becoming increasingly utilized by companies to get their message to potential customers. SMM can be effective because it can be extremely specific and allow businesses to target customers who are more likely to have an interest in their products and services. Social Media advertising allows businesses to literally get their message into potential customers' hands.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Social Media Marketing (SMM) II (21st), (Dual)

691.2

Grades 11, 12 - 5 Credits

Dual Enrollment Option: 3 College Credits

Prerequisite: Students should have successfully completed Social Media Marketing I.

Social Media Marketing II will build on the skills learned in Social Media Marketing I. SMM II is a dual enrollment course that provides students the opportunity to earn credits from Centenary University that can be transferred to many colleges upon graduation. SMM II students will work with local businesses to help increase their social media presence and visit Centenary University to learn more about their nation-leading Social Media Marketing degree program.

BUSINESS COURSE SEQUENCES

GRADE 7	GRADE 8	FINAL GRADE	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Multimedia and Design 7	Business Exploration 8	No Requirement	Accounting I	Honors Accounting II		
			Microsoft Certification I	Microsoft Certification II		
			Full or ½ Year Business Course	Social Media Marketing I & II	Social Media Marketing I & II	Social Media Marketing I & II

ELECTIVE COURSES

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Business Law Honors Business Administration Document Processing Portfolio Presentation MOS Certification Course I Web Page Design Financial Literacy Sales and Marketing Intro to Entrepreneurship Fashion Merchandising Principles of Economics Sales and Marketing Sports and Entertainment Marketing/Mgmt.	Accounting I Business Law Honors Business Administration Document Processing Honors Accounting II Investing & Finance Portfolio Presentation MOS Certification Course I, II Web Page Design Financial Literacy Sales and Marketing Intro to Entrepreneurship Fashion Merchandising Principles of Economics Sales and Marketing Social Media Marketing I Sports and Entertainment	Accounting I Business Law Honors Business Administration Investing & Finance Document Processing Honors Accounting II Portfolio Presentation MOS Certification Course I, II Web Page Design Financial Literacy Sales and Marketing Intro to Entrepreneurship Fashion Merchandising Principles of Economics Sales and Marketing Social Media Marketing I & II Sports and Entertainment Marketing/Mgmt.	Accounting I Business Law Honors Business Administration Document Processing Honors Accounting II Portfolio Presentation MOS Certification Course I, II Web Page Design Financial Literacy Sales and Marketing Investing & Finance Intro to Entrepreneurship Fashion Merchandising Principles of Economics Sales and Marketing Social Media Marketing I & II Sports and Entertainment Marketing/Mgmt.

NOTE: Levels may change based on student performance.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

BUSINESS CAREER PATHWAYS

Accounting/Finance

Student Profile: The student should have an interest in pursuing a career in Accounting or Finance.

	Required Course 1	Required Course 2	Required Course 3
Courses	<i>5 credits</i>	<i>5 credits</i>	<i>2.5 credits (can be taken in conjunction with Accounting I)</i>
	Accounting I	Honors Accounting II (Prerequisites: Accounting I and teacher recommendation)	Investing and Finance (Suggested prerequisites: Accounting I and Financial Literacy)
Other courses to consider	<ul style="list-style-type: none"> ● Microsoft Office Specialist ● Sales and Marketing 	<ul style="list-style-type: none"> ● Business Law ● Principles of Economics ● Honors Business 	<ul style="list-style-type: none"> ● Administration ● Pre-Calculus ● Calculus
Post-Secondary Opportunities	<ul style="list-style-type: none"> ● Associate's degree in Accounting ● Associate's degree in Finance ● Bachelor's degree in Business Administration: <ul style="list-style-type: none"> ○ Accounting ○ Forensic Accounting ○ Finance ● CPA Certification 		
Career Opportunities	<ul style="list-style-type: none"> ● Accounting Clerk ● Bookkeeper ● Accountant ● Budget Analyst 	<ul style="list-style-type: none"> ● Auditor ● Forensic Accountant ● Certified Public Accountant (CPA) 	<ul style="list-style-type: none"> ● Financial Analyst ● Tax Examiner ● Loan Officer
Skills Learned	<ul style="list-style-type: none"> ● Analytic skills ● Mathematical skills ● Attention to detail ● Perseverance 		
Notes	<p>In Investing and Finance, students hone their investing skills by participating in the Stock Market Game through the New Jersey Council for Economic Education.</p> <p>According to the Occupational Outlook Handbook published by the U.S. Department of Labor, Accountant/Auditor positions are expected to grow by 6% (faster than average).</p> <p>End-of-course simulations are completed in Accounting I and Honors Accounting II.</p> <p>Extra-curricular activities to consider: DECA and Streak Nation/Senior Technology Forum</p>		

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

Social Media Marketing

Student Profile: Students interested in studying social media and marketing or some other business related career.

	Level 1	Level 2	Level 3
Courses	<i>Minimum 2.5 Credits</i>	<i>Minimum 7.5 Credits</i>	<i>5 Credits</i>
	Sales and Marketing Sports & Entertainment Marketing Web Design Fashion Merchandising Microsoft Office Specialist	Social Media I and One of the following: Principles of Economics Portfolio Presentation Investing and Finance	Social Media II
Other courses to consider	<ul style="list-style-type: none"> ● Accounting I ● Business Law ● Investing and Finance ● Principles of Economics ● Intro to Entrepreneurship 		
Post-Secondary Opportunities	<ul style="list-style-type: none"> ● Bachelor's degree in Business Administration <ul style="list-style-type: none"> ○ Marketing ○ Leadership and Management ○ Entrepreneurship ○ Supply Chain Management ● Associate's degree in Marketing, Business ● Entrepreneurial endeavors 		
Career Opportunities	<ul style="list-style-type: none"> ● Marketing ● Management ● Entrepreneurship 		
Skills Learned	Communications skills, public speaking, active listening , team collaboration skills, email, marketing, social media marketing, web design		
Notes	<p>Management curriculum gives students a broad understanding and foundation of the way businesses are run. Graduates should keep an eye on key industry trends and understand how to be an effective leader. Graduates have the flexibility to work in a variety of different industries.</p> <p>Extra-curricular activities to consider: DECA, Streak Nation/Senior Technology Forum</p>		

Leadership and Management

Students Profile: Student interested in studying management and leadership or some other business related career.

*This pathway has the potential to earn a student 8 - 9 college credits if Microsoft Office Specialist or Business Law is selected in Level 1.

	Level 1	Level 2	Level 3
Courses	2.5 Credits (minimum)	5 Credits	5 Credits
	Entrepreneurship Principles of Economics Investing and Finance Microsoft Office Specialist* Business Law*	DECA & Entrepreneurship Principles of Economics Investing & Finance	Honors Business Administration*
Other courses to consider	<ul style="list-style-type: none"> ● Business Law ● Accounting I 	<ul style="list-style-type: none"> ● Portfolio Presentation ● Sales & Marketing 	<ul style="list-style-type: none"> ● Social Media Marketing ● Sports & Entertainment Marketing/Management
Post-Secondary Opportunities	<ul style="list-style-type: none"> ● Associate's degree in Management, Marketing ● Bachelor's degree in Business Administration <ul style="list-style-type: none"> ○ Marketing ○ Leadership and Management ○ Entrepreneurship 		
Career Opportunities	<ul style="list-style-type: none"> ● Business Analyst ● Account Manager ● Financial Analyst ● Marketing Manager ● Sales Manager ● Construction Manager ● Environmental Engineer ● Human Resources Director 	<ul style="list-style-type: none"> ● Logistics and Distribution Manager ● Marketing Executive ● Mortgage Advisor ● Management Consultant ● Brand Managers ● Advertising Account Executive ● Branch Manager 	<ul style="list-style-type: none"> ● Credit/Loan Officer ● Entrepreneur ● Insurance Agent/Broker ● Inventory Control Specialist ● Market Research Analyst ● Property Manager ● Purchasing Agent

<p>Skills Learned</p>	<ul style="list-style-type: none"> ● Critical Thinking/Problem Solving ● Communications Skills ● Public Speaking ● Active Listening ● Team collaboration skills ● Leadership ● Professionalism/Work Ethic
<p>Notes</p>	<p>According to the Occupational Outlook Handbook published by the U.S. Department of Labor, the median annual wage for management occupations was \$104,240 in May 2018, which was the highest wage of all the major occupational groups. Actual salary levels depend on the type of industry and location.</p> <p>Management curriculum gives students a broad understanding of business and how businesses are operated.</p> <p>Management graduates have the flexibility to work in a variety of different industries.</p> <p>Managers should keep an eye on industry trends and understand how to be an effective leader.</p> <p>Extra-curricular activities to consider: DECA, Streak Nation/Senior Technology Forum</p>

DEPARTMENT OF ENGLISH LANGUAGE ARTS

Required Summer Reading for the English Language Arts Department

The Warren Hills Regional School District believes the development of critical reading skills is a crucial ingredient to future success. To encourage lifelong learning and to support academic skills, the district has instituted summer reading requirements for students. Summer reading selections are reviewed each spring. Assignments are distributed to students in English Language Arts classes in June. All assignments and directions are posted on the district website by mid-June.

COURSE DESCRIPTIONS

English I

101

Grade 9: 5 Credits

English I is a comprehensive full-year study of literature, writing, and related skill areas such as vocabulary, grammar, reading, and listening, with a broad genre approach in the study of literature. This course will emphasize the writing process approach to composition instruction; revising and editing skills will be stressed, and usage, grammar, and sentence construction.

CP English I

102

Grade 9: 5 Credits

This course parallels English I with an advanced genre approach to literature. The aim of the course is to improve students' communication skills: reading, writing, speaking, listening, and viewing. This course prepares students for academic achievement in college, and the curriculum is rigorous with outside readings routinely assigned. Students will be expected to engage in academic reading and writing daily.

Honors English I

103

Grade 9: 5 Credits

Prerequisite: To enter this course a Grade 8 student should have earned a final average of 90 or higher in English Language Arts 8, or have a teacher recommendation.

This course parallels English I, but will add readings at various points in the course. More sophisticated writing will be demanded of the student more often. Outside readings are extensively assigned. Critical thinking, analytical skills, and literary scholarship are emphasized throughout this course.

English II

111

Grade 10: 5 Credits

English II is a comprehensive full-year course that builds upon English I skills with a broad emphasis on American literature. This course expects and will demand that the student increases sophisticated reading and writing skills as compared to English I.

CP English II

112

Grade 10: 5 Credits

This course parallels English II with an advanced emphasis on American literature. This course prepares students for academic achievement in college, and the curriculum is rigorous with outside readings routinely assigned. Students will also be expected to exhibit more sophisticated reading and writing skills.

Honors English II

113

Grade 10: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP English Language Arts course, 80 or higher in Honors English I, or have a teacher recommendation.

This course parallels English II, but will add readings at various points in the course. More sophisticated writing will be demanded of the student more often. Outside readings are extensively assigned. Critical thinking, analytical skills, and literary scholarship are emphasized throughout this course. This course prepares students for the rigor of an Advanced Placement course in English and is recommended to those students considering taking AP English courses while enrolled at Warren Hills Regional High School.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

English III**121**

Grade 11: 5 Credits

English III is a year-long comprehensive study of all aspects of the English language, with a broad emphasis on British literature. Areas of study also include standardized test preparation. Reading, writing, speaking, listening, and language skills are emphasized, along with research writing.

CP English III**122**

Grade 11: 5 Credits

This course parallels English III with an advanced emphasis on British literature. This course prepares students for academic achievement in college, and the curriculum is rigorous with outside readings routinely assigned. All areas of communication skills are studied: reading, writing, speaking, listening, and language, along with research skills and strategies.

Honors English III**123**

Grade 11: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP English Language Arts course, 80 or higher in Honors English II, or have a teacher recommendation.

This course parallels English III, but will add readings at various points in the course. More sophisticated writing will be demanded of the student more often. Outside readings are extensively assigned. Critical thinking, analytical skills, and literary scholarship are emphasized throughout this course. This course prepares students for the rigor of an Advanced Placement course in English and is recommended to those students considering taking AP English courses while enrolled at Warren Hills Regional High School.

AP English: Language and Composition (Dual)**127**

Grade 11: Dual Enrollment Option: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP English Language Arts course, 80 or higher in a previous Honors course, or have a teacher recommendation.

To receive dual enrollment credit, as required by Warren County Community College, a student must take the following course sequence: AP English: Language and Composition in Grade 11; AP English: Literature and Composition in Grade 12.

Advanced Placement English: Language and Composition is a course that focuses on effective writing, as well as critical reading. Students entering this course should be able to read and comprehend college level texts and apply the conventions of Standard Written English to their writing. The writing skills that students come to appreciate through attentive and continued analysis of a variety of prose texts can serve them in their own writing as they become increasingly aware of these skills and their pertinent uses. An AP Language and Composition course, will, therefore, emphasize the study of a variety of texts and writing tasks. Students will also acquire some knowledge of the evolution of English prose style since the Middle Ages, and they will develop an awareness of the expressive potential of language along with an ability to use this potential. This is a most rigorous course in language, and as such, critical thinking, analytical skills, and literary scholarship are emphasized throughout this course. This course includes a demanding summer assignment. Students are strongly encouraged to take the AP examination in Language and Composition after completing this course.

English IV**131**

Grade 12: 5 Credits

English IV is a year-long comprehensive study of all aspects of the English language, with a broad emphasis on world literature. Reading, writing, speaking, listening, and language skills are emphasized, along with standardized test preparation. Students will continue application of research strategies. In addition, students will prepare their college essays, college/job interviews, and resume development.

CP English IV**132**

Grade 12: 5 Credits

This course parallels English IV with an advanced emphasis on world literature. Students will be engaged in becoming more skilled readers and writers who compose for a variety of purposes. This course prepares students for academic achievement in college, and the curriculum is rigorous with outside readings routinely assigned. Students will continue application of research strategies. In addition, students will prepare their college essays, college/job interviews, and resume development.

Honors English IV**133**

Grade 12: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP English Language Arts course, 80 or higher in Honors English III, or have a teacher recommendation.

This course parallels English IV with an emphasis on world literature. Some study of humanities is included and outside readings are extensively assigned. Expertise in composition is expected and grading standards are rigorous. Critical thinking, analytical skills, and literary scholarship are emphasized throughout this course.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

AP English: Literature and Composition (Dual)**137**

Grade 12: Dual Enrollment Option: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP English Language Arts course, 80 or higher in a previous Honors course, or have a teacher recommendation.

To receive dual enrollment credit, as required by Warren County Community College, a student must take the following course sequence: AP English: Language and Composition in Grade 11; AP English: Literature and Composition in Grade 12.

The Advanced Placement English Literature and Composition course emphasizes the development of skills in careful reading and critical analysis of literature. Students entering this course should be able to read and comprehend college level texts and apply the conventions of Standard Written English to their writing. Reading will focus on works of recognized literary merit. Students are engaged in the close reading and critical analysis of imaginative literature to deepen their understandings of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style and themes as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical and argumentative essays that require students to analyze and interpret literary works.

Critical thinking, analytical skills, and literary scholarship are emphasized throughout this course. This course includes a demanding summer assignment. Students are strongly encouraged to take the AP examination in Literature and Composition after completing this course.

ELECTIVE COURSE DESCRIPTIONS**ELA Workshop****136**

Grades 10 or 12: 2.5 Credits

Prerequisite: Grade 10 students who did not pass the New Jersey Student Learning Assessments (NJSLA) English Language Arts (ELA) Exam 9, or for Grade 12 students who do not have ELA testing requirements completed for graduation (Grade 12).

This course is intended to give instructional and academic support to those students in need of meeting their high school graduation requirements in ELA proficiency. The fall semester course is designed to strengthen Grade 10 students' literacy skills and focuses on reading and writing strategies related to narrative, literary analysis, and research simulation tasks. Students will work on NJSLA ELA Exam 11 readiness skills and ELA skills that will help them succeed in high school.

The spring semester course is designed to support Grade 12 students completing the NJ ELA Portfolio Appeal process, strengthen students' literacy skills, and focus on reading and writing strategies that prepare them for their post-secondary plans.

Grade 10 students will be placed into this course based on performance on the NJSLA ELA Exam 9, and placement will occur in mid to late August once scores are released. Grade 12 students without ELA testing requirements completed for graduation will be placed into this course shortly before the start of the spring semester.

This course does not take the place of required ELA courses needed for graduation. Students taking this course in Grade 10 may repeat participation in this course in Grade 12 for credit if they meet the entrance criteria. *The needs of this course are subject to change as per the New Jersey Department of Education graduation requirements.*

Journalism I, II, III (21st)**140**

Grades 10, 11, 12: 5 Credits

These full year courses are intended for the student who wishes to learn all of the aspects of journalism. In addition to establishing a hands-on working knowledge of computers and desktop publishing techniques, students will also learn interviewing and concise news writing. Also, the journalism student will be able to create and write for the school newspaper, *The Streak*. Students who enroll in this course should possess a strong work ethic and above-average writing ability. This course has rigorous writing requirements in addition to duties related to newspaper production. Students may repeat participation in this course in grades 10, 11 and/or 12 for credit. This course does not take the place of the required English courses.

Introduction to Mythology**142**

Grades 9, 10, 11, 12: 2.5 Credits

Introduction to Mythology is an analytical study of Greek, Roman and Norse myths and their influence on Western culture, especially literature. Students will read and react to these ancient stories and relate them to modern issues. Students will also use their creative writing skills to update some myths and will research a variety of mythological topics to further their understanding. This course does not take the place of the required English courses.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

Creative Writing**143**

Grades 9, 10, 11, 12: 2.5 Credits

This course is for the student who wishes to increase his/her ability in the more artistic and creative modes of writing. Especially targeted by this course is the student who has already begun to write various forms of literature on his/her own. Students will be expected to write both prose and poetry. Selected readings are assigned and are part of the course requirements. This course does not take the place of the required English courses.

Introduction to Debate**144**

Grades 10, 11, 12: 2.5 Credits

This course is based on the philosophy that debate teaches skills applicable to all walks of life. It helps develop critical thinking, courage, organization, leadership, and investigative skills. A study of debate principles helps a student to think through an idea and develop arguments for or against the idea while anticipating arguments someone else might make. This course will deal with the different elements of debate and debate formats. Research skills are stressed. This course does not take the place of the required English courses.

Public Speaking**145**

Grades 9, 10, 11, 12: 2.5 Credits

Public Speaking is intended for those students who are considering a vocation or avocation in which formal training in speech may be beneficial. The course will be based upon the organization and presentation of explanatory, informative, and persuasive material. This course does not take the place of the required English courses.

Superheroes: Modern Mythology**146**

Grades 9, 10, 11, 12: 2.5 Credits

Like the ancient Greeks, Romans, and Norse we too have our set of pop-culture gods and heroes. In this course we will evaluate various heroic/villainous archetypes of ancient mythology by connecting them to today's superheroes. We will also analyze their cultural connections and themes within their own time period of publication. Students will need to be able to draw connections between archetypes, characters, themes, motifs and social context. The course is discussion-driven and requires regular outside reading, along with a research paper at the conclusion of the course. This course does not take the place of the required English courses.

Communication and Media**150**

Grades 9, 10, 11, 12: 2.5 Credits

This course is designed to familiarize students with the various forms of mass media (television, social media, movies, advertising, etc.) and their impact on the individual and on society as a whole. Students will learn how to become active viewers and listeners by studying how advertising persuades us, by watching various genres of television shows through the decades, and by analyzing techniques of film making, among other units. This course does not take the place of the required English courses.

ENGLISH LANGUAGE ARTS COURSE SEQUENCE

7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
ELA 7	ELA 8	English I OR CP English I OR Honors English I	English II OR CP English II OR Honors English II	English III OR CP English III OR Honors English III OR AP Language & Composition	English IV OR CP English IV OR Honors English IV OR AP Literature & Composition

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

ELECTIVE COURSES

9 th Grade	10 th Grade	11 th Grade	12 th Grade
ELA Workshop Introduction to Mythology Creative Writing Public Speaking Superheroes Communications & Media	ELA Workshop Journalism I Introduction to Mythology Creative Writing Introduction to Debate Public Speaking Superheroes Communications & Media	ELA Workshop Journalism I, II Introduction to Mythology Creative Writing Introduction to Debate Public Speaking Superheroes Communications & Media	ELA Workshop Journalism I, II, III Introduction to Mythology Creative Writing Introduction to Debate Public Speaking Superheroes Communications & Media

NOTE: Levels may be changed based on student performance.

DEPARTMENT OF FINE ARTS

Students may elect courses from the fine arts department to fulfill the 5 credit visual and performing arts graduation requirement. **To reach the Visual Art III or AP Studio Art level, Visual Art I must be successfully completed by grade 10.**

COURSE DESCRIPTIONS

Visual Art I (VPA)

701

Grades 9, 10, 11, 12: 5 Credits

This course is planned to give training in the basic principles of art. This year of basic work may enable each individual to discover what areas of expression interest him/her most. The student in this course will work in the following areas: Drawing & Composition—emphasis on basic freehand perspective, light and shade, proportions, artistic arrangement, and basic elements of portrait and figure drawing; Elementary training in various techniques and media such as pencil, pen and ink, charcoal; Color & Painting—problems involving color mixing, painting techniques, and knowledge and care of materials and equipment.

Visual Art II

723

Grades 10, 11, 12: 5 Credits

Prerequisite: 701 Visual Art I

This course provides an in-depth study of the basic principles of art and serves as the beginning stage of college-level portfolio building. Units of learning will include drawing and painting. All projects completed in this course are most commonly required for portfolio review and application into art schools and colleges, in full detail and large scales. Art school representatives begin to visit students at this level to discuss art majors and careers, portfolio recommendations, and scholarship information.

Visual Art III

725

Grades 11, 12: 5 Credits

Prerequisite: 723 Visual Art II

This art course is designed for serious art students who are interested in art as a vocation/avocation. The fall semester will be spent in developing a portfolio while the spring semester will emphasize the development of self-expression resulting in a group exhibit.

AP Studio Art

731

Grades 11, 12: 5 Credits

Prerequisite: 725 Visual Art III or portfolio review by Art teaching staff, or have a teacher recommendation.

AP Studio Art emphasizes the preparation and completion of a student work portfolio that includes various series of works in a variety of different media. The course focuses on projects and is computer oriented with an emphasis on problem solving, creativity, and series development. Students are strongly encouraged to submit their completed portfolio for the AP Review as requested by the Review Board to receive credits.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Graphic Art & Design (VPA)**726**

Grades 9, 10, 11, 12: 5 Credits

This course is an entry-level course, which explores the fundamentals of desktop publishing, graphic design, and layout. The course introduces the various applications of current computer software, basic software tools, file formats, and color settings. Basic drawing tasks will be included.

Advanced Graphic Art & Design**730**

Grades 10, 11, 12: 5 Credits

Prerequisite: 726 Graphic Art & Design and Portfolio Submission, or have a teacher recommendation.

This course comprises a specialized program for students who have successfully completed the basic graphic arts curriculum. Emphasis will be placed on the application of acquired skills through interdisciplinary engagement. The students in the program will create graphic products to assist and support our journalism, music, theater, business and athletic departments.

Adaptive Art and Art Appreciation**700**

Grades 10, 11, 12: 5 Credits

The adaptive art and art appreciation program has been designed for students who may have special needs in the areas of mobility, physical health and wellness. Assisting students to realize their full creative potential in spite of health, physical, social or emotional problems is the main goal of this course. Activities are geared to help students experience success and to enhance their self-esteem. Students are selected for this program by teacher or doctor recommendation. Students may repeat participation in this course in Grades 10, 11, and 12 for credit.

Yearbook I, II, III**732**

Grades 10, 11, 12: 5 Credits

Prerequisite: 726 Graphic Arts I, or teacher recommendation.

This is a year-long course in which students will learn many aspects of page layout, design, writing copy, photography, Adobe InDesign CS6, proofreading, publishing, sales, advertising, marketing and journalism as they create the Warren Hills Regional High School *Lamaton* yearbook. Students may repeat participation in this course in Grades 11 and/or 12 for credit.

Mixed Media (VPA)**727**

Grades 9, 10, 11, 12: 5 Credits

The principles of art are emphasized and applied to the projects completed in this course. The course will have a more "hands-on" approach to a variety of materials and will introduce basic techniques and vocabulary. All projects will be approached in both a two-dimensional and three-dimensional fashion. Seniors in need of Fine Arts graduation credits will be given first priority to this class.

Ceramics (VPA)**703**

Grades 11, 12: 2.5 Credits

This course provides advanced work in clay construction and design for the serious art student. This course also presents the hand building techniques with emphasis on professional results and basic decorative methods.

Advanced Ceramics (VPA)**705**

Grades 11, 12: 2.5 Credits

Prerequisite: 703 Ceramics

This course will emphasize the development of creativity, self-expression and professionalism with clay. It will seek a higher level of understanding for the hand building techniques and the potter's wheel. Advanced techniques and materials will be introduced.

Film Design I (VPA)**715**

Grades 10, 11, 12: 5 Credits

In Film Design I, students will come to understand the power of film through multiple avenues of experience. The three main elements of this course will be examining the history of film, analyzing and critiquing film through written reviews, and producing short films using industry standard software. Through discussion, group projects, and guest speakers, students will acquire a better appreciation of film, one of society's most influential mediums.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

Film Design II

716

Grades 11, 12: 5 Credits

Prerequisite: 715 Film Design I and teacher recommendation.

Film Design II will aid in the student's maturation as a filmmaker and foster his/her ability as an artist. Having completed the technical foundations of the class in level one, this will allow an opportunity for the student to focus more on their individual creative expression and application of those ideas within the medium. This course is designed to prepare students with an interest in film for the film industry.

Film Design III

717

Grade 12: 5 Credits

Prerequisite: 716 Film Design II and teacher recommendation.

Students will build upon their previous knowledge as filmmakers in both practice and theory while striving to exhibit their work publicly. By the end of this course, students will have a fully functional film portfolio. This portfolio will give students the opportunity to display his/her work for college placement and/or employment.

Advanced Concert Choir (VPA)

736

Grades 9, 10, 11, 12: 5 Credits

Prerequisite: Students will be identified through auditions held in January or have previous select ensemble experience needed for participation in the Advanced Concert Choir class.

Advanced Concert Choir is open to experienced vocalists in choral singing. Students in Advanced Concert Choir class study and practice advanced vocal techniques, skills, and practice complex choral music repertoire. Students apply advanced vocal skills to various representative styles of choral music and perform in two evening concerts during the school year. The annually changing repertoire provides new diverse content to develop and practice skills, and to reach the highest levels of music skill development and performance. Students may repeat participation in this course in Grades 10, 11 and 12 for credit.

Music Theory and Technology (VPA), (Dual)

737

Grades 9, 10, 11, 12: 5 Credits

Prerequisite: Student must be able to read music in standard notation.

Instruction is provided in basic technical and theoretical aspects of music and music composition. This course is essential for those who plan careers in music and of great interest to anyone who wishes to better understand vocal and instrumental music. The ability to play the piano is not required, but may be of value. All students will learn to use the Finale software to generate printouts of their compositions. This course is offered in alternating years, with its next offering in 2021-2022.

Theatre Arts (VPA)

741

Grades 9, 10, 11, 12: 5 Credits

Theatre Arts is a beginning theatre course. No previous experience is needed for this course. The course is designed to stimulate students' creative abilities and imaginations. The course will concentrate on exploring the student's inner resources; emphasizing believable actions, observation, strengthening sense recall, imagination, and emotional response. Character and vocal development, as well as basic stage movement are also incorporated into this program.

Advanced Theatre Arts (VPA)

742

Grades 10, 11, 12: 5 Credits

Prerequisite: Teacher recommendation and 741 Theatre Arts.

The Advanced Theatre Arts course is a specialized program for the serious theatre arts student. It will focus on the student's ability to perform monologues and scenes. This course will also explore the use of imagination in character development and the communication of emotion in stage characterization. In addition, students will be responsible for and required to read approximately seven full-length scripts independently. Each student will be provided with knowledge of a variety of different playwrights' styles. The annually changing repertoire provides new, diverse content to develop and practice skills, and to reach the highest levels of performance. Students may repeat participation in this course in Grades 11 and 12 for credit.

Technical Theatre (VPA), (21st)

743

Grades 9, 10, 11, 12: 5 Credits

The focus of this course will be aimed at the behind the scenes work necessary for the production of a play. Students will develop an understanding of how artistic collaboration is necessary for the success of any production. Students will examine the roles of the director, set designer, costume designer, props department, lighting technician, and stage manager. The students will gain a practical knowledge of set design, costume design, and stage make-up.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

Concert Band (VPA)**745**

Grades 9, 10, 11, 12: 5 Credits

Prerequisite: Teacher recommendation. High School Band or Middle School Band.

Concert Band is open to all players of band instruments. The concert band presents three mandatory evening concerts per school year. Members of the Concert Band form the nucleus of the Blue Streak Marching Band, Jazz Ensemble, and Pit Orchestra. The annually changing repertoire provides new diverse content to develop and practice skills, and to reach the highest levels of music skill development and performance. Students may repeat participation in this course in Grades 10, 11 and 12 for credit.

Wind Ensemble (VPA)**756**

Grades 9, 10, 11, 12: 5 Credits

Prerequisite: Students eligible will be identified through auditions held in January.

Wind Ensemble is open to advanced woodwind, brass, and percussion instrumentalists. Students in Wind Ensemble study and practice advanced instrumental techniques, skills, and complex music from the traditional and contemporary band repertoire. Members of the Wind Ensemble form the nucleus of the Blue Streaks Marching Band, Jazz Ensemble, and Pit Orchestra. The wind ensemble presents three mandatory evening concerts per year. The annually changing repertoire provides new diverse content to develop and practice skills, and to reach the highest levels of music skill development and performance. Students selected may repeat participation in this course in Grades 10, 11 and 12 for credit.

Beginning Classical Guitar (VPA)**755**

Grades 9, 10, 11, 12: 2.5 Credits

The Beginning Classical Guitar class is designed for students who have the desire to learn to play classical guitar and to learn to read music. Throughout the semester, students will learn the basic elements of music notation and basic guitar techniques. By the end of the semester, students will be able to perform duets with other class members, as well as perform as a guitar ensemble. Classical guitars will be provided for class members.

Adaptive Music (VPA)**750**

Grades 9, 10, 11, 12: Full Year

The adaptive music and music appreciation program has been designed for students who may have special needs in the areas of mobility, physical health and wellness. Assisting students to realize their full potential in listening critically to sound and creating music in a multi-sensory environment in spite of health, physical, social or emotional problems is the main goal of this course. Activities are geared to help students practice and develop motor skills for playing instruments independently and develop social and behavioral skills for rehearsing and performing music in an ensemble setting. Opportunities to perform successfully will build confidence and enhance their self-esteem. Students are selected for this program by teacher, case manager, or doctor recommendation. Students may repeat participation in this course in Grades 10, 11, and 12 for credit.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

FINE ARTS COURSE SEQUENCES

ART ELECTIVE COURSES

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Visual Art I Graphic Art & Design Mixed Media Adaptive Art & Art Appreciation	Visual Art I Visual Art II Graphic Art & Design Adv. Graphic Art & Design Mixed Media Yearbook I Film Design I Adaptive Art & Art Appreciation	Visual Art I Visual Art II Visual Art III AP Studio Art Graphic Art & Design Adv. Graphic Art & Design Mixed Media Yearbook I, II Ceramics Advanced Ceramics Film Design I Film Design II Adaptive Art & Art Appreciation	Visual Art I Visual Art II Visual Art III AP Studio Art Graphic Art & Design Adv. Graphic Art & Design Mixed Media Yearbook I, II, III Ceramics Advanced Ceramics Film Design I Film Design II Film Design III Adaptive Art & Art Appreciation

MUSIC ELECTIVE COURSES

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Adaptive Music* Advanced Concert Choir* Music Theory and Tech. Theatre Arts Technical Theatre Concert Band* Wind Ensemble*	Adaptive Music* Advanced Concert Choir* Music Theory and Tech. Theatre Arts Advanced Theatre Arts* Technical Theatre Concert Band* Wind Ensemble*	Adaptive Music* Advanced Concert Choir* Music Theory and Tech. Theatre Arts Advanced Theatre Arts* Technical Theatre Concert Band* Wind Ensemble*	Adaptive Music* Advanced Concert Choir* Music Theory and Tech. Theatre Arts Advanced Theatre Arts* Technical Theatre Concert Band* Wind Ensemble*

Note: Levels may change based on student performance.

*Students may repeat participation in this course for credit.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

DEPARTMENT OF HEALTH & PHYSICAL EDUCATION

COURSE DESCRIPTIONS

Physical Education 9

901

Grade 9: 2.5 Credits

Students in Grade 9 will experience instruction in a variety of activities, which may include ultimate Frisbee, tennis, aerobics/weight training, volleyball, basketball, and floor hockey. Instruction is directed toward the refinement of skills and techniques previously learned as well as an introduction to some advanced skills, concepts and strategies. Students will be assessed on participation, attire, written tests and skill tests.

Health 9

902

Grade 9: 2.5 Credits

The health program is based on a total wellness approach and skills for living in our multicultural society. The leading cause of death in the United States is cardiovascular disease. A healthy lifestyle can help to prevent heart disease. The importance of total well-being in the areas of physical, mental, and social health for an increased quality of life and longevity is emphasized. The course will also focus on developing responsible decision-making skills that will enhance quality of life and relationships with others. The units of study are peer relationships (with a focus on bullying and peer pressure), wellness and healthy choices, mental health, heart disease, circulatory system, and substance abuse, alcohol and tobacco, and Safe Dates.

Physical Education 10

903

Grade 10: 2.5 Credits

Instruction is directed toward refinement of skills and techniques previously learned in various activities coupled with the introduction of advanced skills and techniques. The curriculum also offers lifetime activities which focus on the components of fitness. Activities offered in Grade 10 may include the following: team handball, soccer, softball, game units, dance, badminton, golf and personal wellness. Students will be assessed on participation, attire, written tests and skill tests.

Health 10 and Driver Education

906

Grade 10: 2.5 Credits

Theoretical aspects of safe teen driving include but are not limited to safe driving practices, administrative laws & regulations, risk assessment/management, emergency first aid training, including hands-on CPR and AED protocols and responsible driving guidelines and protocols for being involved in a collision. Also included in this course are a discussion of the consequences of poor decision making such as the use of alcohol/drugs while driving, an Organ Donation unit, HIV/AIDS education, current events on safe driving practices and optional skills training on a driving simulator.

Physical Education 11

910

Grade 11: 2.5 Credits

Students in Grade 11 will experience instruction for one marking period in ropes education. This course is designed to teach trust, communication, decision-making, problem solving and social/personal responsibility activities. Students will participate in our belay school, which will serve to teach all students about the belay system and belay technique. Our indoor activities may include: archery, basketball or lacrosse, volleyball, and weight training. Instruction is directed toward the refinement of skills and techniques previously learned as well as introduction to some advanced skills, concepts and strategies. Students will be assessed on participation, attire, written tests and skill tests.

Health 11

912

Grade 11: 2.5 Credits

Health instruction includes family life and substance abuse education. Major areas of study include: love, male and female reproductive systems, human development, abstinence, pregnancy, lactation, parenting skills, abortion, sexually transmitted diseases/infections, AIDS, masturbation, homosexuality, contraception, intelligent choice of sexual lifestyle, decision-making process, healthy relationships, abusive relationships, violence, cost of living (budget), wellness, death and dying, public health resources, heart disease, cancer and substance abuse. An alternative course is also offered for students whose parents/guardians do not want them to take the Family Life unit.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Alternative Health 11**957**

Grade 11: 2.5 Credits

Students are trained in current life-saving skills and techniques used for assisting in emergency situations. Skills presented in this course include current CPR guidelines, foreign body airway obstructions (FBAO) by receiving training in the Heimlich maneuver. They will also be instructed in using the Automated External Defibrillator (AED) for cardiac arrest victims. Students will learn disaster preparedness. First responder care or first aid is discussed for the most common illnesses and injuries. Students will be certified in these techniques to meet future college and/or employer requirements. Other topics of discussion will be health insurance and the health care system, community health resources, and substance abuse. This course is offered in alternating years, with its next offering in 2020-2021.

Physical Education 12**920**

Grade 12: 2.5 Credits

Students in Grade 12 will receive instruction in a variety of activities, which may include: soccer, softball, flag football, basketball, volleyball, floor hockey, pickleball and other ball games. Instruction is directed toward the refinement of skills and techniques previously learned, as well as introduction to some advanced skills, concepts and strategies. Students will be assessed on participation, attire, written tests and skill tests.

Health 12**922**

Grade 12: 2.5 Credits

Grade 12 instruction focuses on developing a variety of skills for living in our multicultural society. The course stresses making healthy choices that will enhance our quality of life and our relationships with others. The major areas of instruction are nutrition, college nutrition, substance abuse, emergency preparedness, disease prevention, and health care.

Adaptive Health and Physical Education**926**

Grades 9, 10, 11, 12: 5 Credits

The adaptive health and physical education program is designed for students who may have special needs in the areas of mobility, physical health and wellness. Assisting students to realize their full physical potential in spite of health, mobility, physical, social or emotional problems is the main goal of this course. Activities are geared to help students experience success and to enhance their self-esteem. Students are selected for this program by teacher or doctor recommendation.

Advanced Physical Education**940**

Grades 11, 12: 2.5 Credits

Prerequisite: Teacher recommendation, or minimum grade of 90 in previous Physical Education course.

The students will receive advanced instruction in biomechanical principles, sport techniques, skills, game strategies, and officiating. This course is geared to students who want more of a physical and mental athletic challenge. Students are required to lead exercises when it is their turn to teach one skill development lesson each marking period. Sports to be covered at the discretion of the instructor will be flag football, basketball, volleyball, soccer, floor hockey, fitness, and/or softball.

Performance Training I**935**

Grades 9, 10, 11, 12: 5 Credits

The objective of this comprehensive physical fitness program is to provide students with the fundamental knowledge and physical skills to develop and maintain good lifetime fitness habits. Students will receive advanced instruction in strength training, conditioning, nutrition and health related fitness.

Performance Training II**936**

Grades 10, 11, 12: 2.5 Credits

Prerequisite: 935 Performance Training I

The main objective of this semester course is to provide students with advanced knowledge and physical skills necessary to develop good lifetime fitness habits. The students will receive advanced instruction in nutrition, weight training styles, and conditioning. Students will know how to apply all of these principles to lifetime fitness.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Performance Training III

937

Grades 10, 11, 12: 2.5 Credits

Prerequisite: 936 Performance Training II

The main objective of this semester course is to continue to further the knowledge and skills necessary to develop excellent lifetime fitness habits students learned in Performance Training II. The students will continue to receive detailed instruction in nutrition, weight-training styles, conditioning, and can apply all of the principles from the two previous courses.

Basic Self-Defense

955

Grades 9, 10, 11, 12: Female Students: 2.5 Credits

This course will integrate low-impact cardiovascular conditioning and low intensity strength with realistic self-defense techniques. Emphasis will be learning hands-on progressive defense training. This self-defense component will include educational information that begins with awareness and prevention. The weapons defense system training unit pertains to defensive strategies against edged weapons and firearms. The keychain defense options unit will be taught with realistic concepts, light impact, fluid transitions and simulation training exercises. This course does not fulfill grade level health or physical education requirements.

Note: Title IX (1989) states, "In some instances, all female courses or programs may be justified when they exist to remedy the effects of past discrimination and

they are appropriately tailored to justify the all-female program or course." Title IX also provides for the separation of students by sex in physical education classes, during which the major activity involves bodily contact. This elective course will provide scheduling priority to seniors.

HEALTH AND PHYSICAL EDUCATION COURSE SEQUENCES

GRADE 7	GRADE 8		GRADE 9	GRADE 10	GRADE 11	GRADE 12
Health 7 Physical Education 7-8	Health 8 or Alt. Health 8 Physical Education 7-8		Health 9 Physical Education 9	Health 10 Physical Education 10	Health 11 Physical Education 11 Alternative Health 11 Physical Education 11	Health 12 Physical Education 12

ELECTIVE COURSES

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Performance Training I Basic Self-Defense for Women	Performance Training I Performance Training II Performance Training III Basic Self-Defense for Women	Performance Training I Performance Training II Performance Training III Basic Self-Defense for Women Advanced Physical Education	Performance Training I Performance Training II Performance Training III Basic Self-Defense for Women Advanced Physical Education

NOTE: Levels may change based on student performance.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

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DEPARTMENT OF MATHEMATICS

PLACEMENT LEVEL IN MATHEMATICS:

To ensure student growth and successful progression in the high school math program, mastery of the content at each appropriate level is a necessity. Please be reminded that placement is determined by student performance. Students in College Preparatory courses must have a minimum of 90 to enroll in an Honors or AP course, or have a teacher recommendation. Students must have a minimum grade of 80 to maintain Honors/AP level sequencing. Students must have a minimum grade of 73 to maintain college preparatory level sequencing. Placements will be based upon students' grades at the end of the first semester; however, students may appeal to move up should grades improve by the end of the third marking period or file a formal appeal during the fourth marking period.

COURSE DESCRIPTIONS

Algebra I

301

Grade 9: 5 Credits, 10, 11, 12: 5 Credits

This is a standard course in Algebra I and is designed for students who may need concepts presented in a more concrete manner. Topics to be studied include number operations, properties, linear equations and inequalities, powers and exponents, exponential equations, quadratic equations, polynomials, proportions, and rational expressions. Emphasis will be placed on modeling and reasoning problem solving strategies.

CP Algebra I

303

Grades 9, 10, 11, 12: 5 Credits

Prerequisite: To enter this course a student should have earned a grade of 80 or higher in Pre-Algebra (Grade 8) and/or have a teacher recommendation.

This course is a rigorous college preparatory course and bridges the gap between the concrete ideas of arithmetic and the abstract ideas of higher mathematics. Topics to be studied include equations and inequalities, operations with real numbers, algebraic expressions, functions and relations, quadratic equations, and irrational expressions. Modeling and reasoning problem solving strategies will be incorporated throughout the course and graphing calculators will be used.

Algebra II

304

Grades 11, 12: 5 Credits

Prerequisite: Algebra I and Geometry

This course incorporates the study of the real and complex number systems. It is an extension of Algebra I consisting of more advanced and abstract material. This course will offer the student additional time to grasp the concepts through the use of concrete examples of mathematical methods to solve various problems.

CP Algebra II

305

Grades 10, 11, 12: 5 Credits

Prerequisite: CP Algebra I and CP Geometry

Students may take CP Algebra II concurrently with CP Geometry with a teacher recommendation.

This course is an extension of CP Algebra I consisting of more advanced and abstract material including fundamental operations, functions, exponents, radicals, and quadratic equations. New topics, such as complex numbers, logarithms, and polynomial functions are also taught. CP Algebra II expands the student's understanding of the power of mathematics by providing sophisticated mathematical models for studying and solving difficult problems.

Honors Algebra II (Dual)

306

Grades: 10, 11: 5 Credits

Prerequisite: Honors Geometry 317

Students may take Honors Algebra II concurrently with CP or Honors Geometry with a teacher recommendation.

This course is the rigorous study of the real and complex number systems. Some areas to be studied include inequalities and applications, functions and variation, complex numbers, trigonometry, second-degree curves and quadratic systems. This course will be fast paced and enrichment topics will be discussed throughout the year. Graphing calculators will be used frequently.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Geometry **311**

Grades 10, 11, 12: 5 Credits

Prerequisite: Algebra I

This course is designed to help students who have successfully completed Algebra I explore and discover key geometric properties using a hands-on, visual approach. Various geometric concepts, for example, parallel lines, conditions for congruence and transformations will be taught in both plane and coordinate geometry. This course will offer the student additional time to grasp the concepts through the use of concrete examples and informal methods.

CP Geometry **313**

Grades 9, 10, 11, 12: 5 Credits

Prerequisite: CP Algebra I

This course is the study of basic geometric figures and their associated properties. Other topics to be studied are parallel lines, congruence, transformations, deductive reasoning, ratios and proportions, Pythagorean theorem, trigonometric ratios, spatial reasoning, and surface area/volume of solid figures. The students must employ Algebra skills throughout the study of Geometry.

Honors Geometry **317**

Grades 9, 10: 5 Credits

Prerequisite: To enter this course a student should have earned a grade of 90 or higher in Algebra I (Grade 8), 90 or higher in CP Algebra I, and/or have a teacher recommendation.

This course will allow a rigorous, in-depth study of geometry and geometric figures with an emphasis on problem solving strategies. Topics to be discussed include the triangle and circle using constructions and theorem proofs, congruent and similar polygons, trigonometric ratios, parallel lines and types of quadrilaterals, and methods of inductive and deductive reasoning. Enrichment material will be provided throughout the course.

Mathematical Investigations **318**

Grades 11, 12: 5 Credits

Prerequisite: Algebra I and Geometry

Mathematical Investigations is intended for students who have taken Algebra I and Geometry and are not yet ready for Algebra II. The content provides a solid foundation of concepts and skills to serve as an appropriate bridge course to Algebra II. This course provides students with tools to represent and solve real-life problems in a variety of ways. Mathematical Investigations will build on algebra and geometry skills as well as explore/apply the concepts of problem solving, number systems, statistics, and financial management.

CP Pre-Calculus **320**

Grades 11, 12: 5 Credits

*Prerequisite: CP Algebra II**Students may take CP Pre-Calculus concurrently with Probability & Statistics with a teacher recommendation. NOTE: CP Algebra II MUST be taken directly before CP Pre-Calculus.*

This course is designed to prepare students for a first course in Calculus. It combines analytical geometry and advanced trigonometric topics. Students will study conic sections, graphing, and linear, quadratic, polynomial, rational, exponential and logarithmic functions. In addition, students will solve problems using triangles and trigonometric identities.

Honors Pre-Calculus **324**

Grades 11, 12: 5 Credits

Prerequisite: Honors Algebra II

This course is designed to extend many of the topics in more depth than covered in previous math courses and prepares students for a formal course in AP Calculus. Topics such as functions, analytical geometry, trigonometric functions and their graphs, applications, and various mathematical properties are included. Optional topics may include matrices, sequences, and complex numbers. This course lays a strong foundation for college level math courses.

Calculus **322**

Grade 12: 5 Credits

Prerequisite: CP Pre-Calculus

This course is offered to those students with a special interest in math. It is designed to be equivalent to the first semester of college calculus, covering the theory of limits, continuity, differentiation, and basic integration.

[Dual - Dual Enrollment Course](#)[21st - Meets NJDOE 21st Century Learning Requirement](#)[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

AP Calculus (Dual)**326**

Grade 12: 5 Credits

Prerequisite: Honors Pre-Calculus with a teacher recommendation

This course covers the rate of change of function, differentiation of algebraic and transcendental functions, plane analytical geometry, and integrals. Use of a graphing calculator is integrated throughout the course. This course is designed to prepare students to take the Advanced Placement Calculus AB Exam. Students are strongly encouraged to take this exam. This course also includes a demanding summer assignment.

CP Probability & Statistics**334**

Grades 11, 12: 5 Credits

*Prerequisite: CP Algebra II**Students may take CP Probability & Statistics concurrently with CP Pre-Calculus with a teacher recommendation. NOTE: This course is not to be taken directly before CP Pre-Calculus.*

Statistics is the science of collection, analysis, interpretation and presentation of data. In this course, various mathematical methods will be utilized which play an important role in the study of statistics. Probability, which involves the study of purely chance phenomena is another key concept to be explored in this course. Together, students will utilize both probability and statistics to solve problems in real life settings. Computers and graphing calculators will be used throughout the course.

AP Statistics (Dual)**335**

Grades 10, 11, 12: 5 Credits

*Prerequisite: Honors Algebra II or CP Algebra II (with teacher recommendation)**Students may take AP Statistics concurrently with Honors Algebra 2 with a teacher recommendation.*

Advanced Placement Statistics is a challenging course for the serious student who has strong math and analytic reasoning skills. Students will investigate various topics in the areas of exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students will research and develop statistical problems as they relate to numerous disciplines including, but not limited to, mathematics, psychology, sociology, science, and health and physical education. Students in this course are strongly encouraged to take the Advanced Placement Statistics Exam.

CP Discrete Mathematics**365**

Grades 11, 12: 5 Credits

Prerequisite: Algebra II or CP Algebra II

This course is designed for the liberal arts student who desires a college preparatory math course. Logic and problem solving applications using discrete structures such as matrices, sequences, recurrence relations, probability, linear programming, and data analysis will be emphasized.

Mathematics Workshop**367**

Grades 9, 10, 11, 12: 2.5 Credits

Prerequisite: Grade 9 or Grade 10 students who did not meet the cut-off score for the NJSLA-Math Algebra I, or for Grade 12 students who have not yet met the math testing requirements for graduation.

This course is intended to give instructional and academic support for those students in need of meeting their high school graduation requirements in math proficiency. Grade 9 or Grade 10 students will take Mathematics Workshop during the first semester concurrently with their grade-level math class to strengthen the mastery of algebraic content needed for future high school math courses. These students will take the New Jersey Student Learning Assessment - Mathematics (NJSLA-M) Algebra I end-of-course test at the end of the first semester if they had Algebra I the previous year or at the end of the year if they are currently taking Algebra I.

Seniors will take the Mathematics Workshop during the second semester to better prepare themselves for any additional graduation assessment opportunities or to complete the portfolio appeal process.

Grade 9 and Grade 10 students will be placed into this course mid- to late-August once the NJSLA-M Algebra I scores are released. Grade 12 students who have not met math proficiency as defined by the NJDOE graduation requirements will be placed into this course shortly before the spring semester.

The intention of this course is to give instructional and academic support for those students in need of meeting their high school graduation NJSLA-Mathematics requirement in math proficiency. Math Workshop will be taken concurrently with the student's grade-level math course and is designed to strengthen the student's mastery of algebraic and geometric content needed for the NJSLA-Mathematics assessment. Students will be placed in this course based on standardized testing, student performance, and teacher recommendation.

[Dual - Dual Enrollment Course](#)[21st - Meets NJDOE 21st Century Learning Requirement](#)[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

This course does not take the place of the required math courses needed for graduation. Students taking this course may repeat participation for credit in the future if they meet the entrance criteria. The needs of this course may change as per the current NJDOE graduation requirements.

COMPUTER SCIENCE COURSE DESCRIPTIONS

Introduction to Cybersecurity (21st)

341

Grades 9, 10, 11, 12: 2.5 Credits

Prerequisite: Algebra I or a teacher recommendation from the middle school Computer Science teacher.

This half year class will introduce students to key concepts in cybersecurity, the history of cyber threats and methods of data protection. The students will also explore cyber careers and current events in cyber security. Much of the course will center on student presentations, discussions and virtual labs.

This course is not applicable for those students who have already taken AP Computer Science A.

Introduction to Computer Science (21st), (Dual)

331

Grades 9, 10, 11, 12: 5 Credits

Prerequisite: To enter this course a student should have successfully completed an Algebra I course. This course does not satisfy the graduation requirement in mathematics.

In this course, the students will learn about computer science and its applications in the world around us. The course will emphasize developing problem solving skills through student-produced programs in Java or Python. The course will also focus on career opportunities, computer ethics, computer history, and computer architecture. This course does not satisfy the graduation requirement in mathematics.

AP Computer Science Principles (21st), (Dual)

356

Grades 10, 11, 12: 5 Credits

Prerequisite: To enter this course a student should have earned a grade of 90 or higher in CP Algebra I, a 90 or higher in CP Geometry, 80 or higher in Honors Geometry, and/or a teacher recommendation. This course does not satisfy the graduation requirement in mathematics.

AP Computer Science Principles is the equivalent to a college-level computer science class for non-majors. This class is not language based and has a large focus on computers in society which requires a lot of reading, writing, and discussion.

Students will develop an understanding of the fundamental concepts of computing, its breadth of application and its potential for transforming our world. Students will also be introduced to programming as a means by which to develop valuable problem-solving skills. The AP Computer Science Principles course may satisfy a part of either mathematics or science credits required for graduation. A student may take Advanced Placement Computer Science and Advanced Placement Computer Science Principles concurrently if the student has successfully completed Introduction to Computer Science prior.

AP Computer Science A (21st), (Dual)

355

Grades 10, 11, 12: 5 Credits

Prerequisite: To enter this course a student should have earned a grade of 80 or higher in AP Computer Science Principles, 80 or higher in Intro to Computer Science, and/or teacher recommendation.

This course is designed as a preparatory course for the Advanced Placement Computer Science A Exam. AP Computer Science A is equivalent to a first year college computer science class for engineers and computer science majors (CS1). This class focuses on the Java programming language and emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development. It also includes the introductory study of data structures and abstraction as well as career opportunities and computer ethics. Students are strongly encouraged to take the AP Computer Science A Exam. The AP Computer Science A course may satisfy a part of mathematics credits required for graduation. A student may take Advanced Placement Computer Science A and Advanced Placement Computer Science Principles concurrently if the student has successfully completed Introduction to Computer Science prior.

This course may satisfy the third year of math graduation requirement.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Honors Advanced Topics in Computer Science (Dual)

332

Grades 11, 12: 5 Credits

Prerequisite: Teacher recommendation or a grade of 80 or higher in AP Computer Science A- This course does not satisfy the graduation requirement in mathematics.

This course will give students the opportunity to explore advanced computer science topics such as game development, app development, physical computing, cybersecurity, robotics, programming languages, and electronic circuits. Much of the class will be portfolio based with students working within groups to set independent goals for each learning module for which they will be used to present their findings.

MATHEMATICS COURSE SEQUENCES

GRADE 7	GRADE 8	FINAL GRADE	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Math 7	Pre-Algebra 8	No Requirement	CP Algebra I	CP Geometry	CP Algebra II	CP Pre-Calculus
						CP Prob. and Stat
						CP Discrete Math
		No Requirement	Algebra I	Geometry	Math Investigations	Algebra II

GRADE 7	GRADE 8	FINAL GRADE	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Accelerated Math 7	Algebra I	No Requirement	CP Algebra I	CP Geometry	CP Algebra II	CP Pre-Calculus
						CP Prob. And Stat.
						CP Discrete Math

Dual - Dual Enrollment Course
 21st - Meets NJDOE 21st Century Learning Requirement
 VPA - Meets NJDOE Visual & Performing Art Requirement

		No Requirement	CP Geometry	CP Algebra II	CP Pre-Calculus	Calculus
						CP Prob. and Stat
						AP Statistics
		90 or higher	Honors Geometry	Honors Algebra II	Honors Pre-Calculus	AP Calculus
						AP Statistics

ELECTIVE COURSES

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Intro to Computer Science	Intro to Computer Science AP Computer Science Principles AP Computer Science A Honors Computer Science	Intro to Computer Science AP Computer Science Principles AP Computer Science A Honors Advanced Topics in Computer Science Honors Computer Science Advanced Topics	Intro to Computer Science AP Computer Science Principles AP Computer Science A Honors Advanced Topics in Computer Science Honors Computer Science Advanced Topics

NOTE: Levels may change based on student performance.

Dual - Dual Enrollment Course
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MATHEMATICS CAREER PATHWAYS

Computer Science

Student Profile: Students interested in studying Computer Science, IT/IS or some other STEM related career.

	Level 1	Level 2	Level 3
Courses	<i>Minimum 5 Credits</i>	<i>5 Credits</i>	<i>Minimum 5 Credits</i>
	Intro to Computer Science AP Computer Science Principles <i>Can take one or both in any order</i>	AP Computer Science A	Honors Advanced Topics in Computer Science
Other courses to consider	<ul style="list-style-type: none"> • Honors/AP level Math and Science (including Calculus and Physics) • Engineering Courses • Business electives • Art and multimedia electives • Computer Animation with Alice (<i>for those who have not yet filled prerequisites for Level 1 course</i>) • Intro to Entrepreneurship 		
Post-Secondary Opportunities	<ul style="list-style-type: none"> • Bachelor's degree in Computer Science, IT/IS or related STEM field • Associate's degree in Computer Science, IT/IS or related STEM field • Trade school for computer networking, information technology, programming, web design or computer repairs • Direct entry into the computing field including app or web development 		
Career Opportunities	<ul style="list-style-type: none"> • Computer Science Careers: Software Developer, Database Administrator, Computer Hardware Engineer, Computer Systems Analyst, Computer Network Architect, Web Developer, Information Security Analyst, Computer Programmer, Computer and Information Systems Manager, and Cyber Security Analyst • STEM careers: Engineering, Computational Science, Medicine • Careers using Computers: Business, Art, Multimedia 		
Skills Learned	Teamwork, problem solving, computational thinking, tool usage, CADD, design process and technical communication - verbal and oral.		
Notes	<p>Students planning to attend college for Computer Science should take at least four CP or higher level Math and Science classes. Students should try to take as many honors and AP level classes as they are qualified for, particularly in math, science and CS Students are encouraged to take other Career Pathways. It is important that students in Computer Science have good writing and communication skills as well as creativity.</p> <p>Extra-curricular activities to consider: Robotics, Computer Science, DECA and TSA.</p>		

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DEPARTMENT OF SCIENCE

Note: Colleges require two years of extended lab courses. Extended lab courses include all 6 credit courses.

COURSE DESCRIPTIONS

AP Environmental Science(Dual)

403

Grades 11, 12: 6 Credits

Prerequisite: Honors Biology or CP Biology

To enter this course, a student should have earned a grade of 80 or higher in Honors Biology or a grade of 90 or higher CP Biology, or have a teacher recommendation.

AP Environmental Science is a lab/inquiry- based course that is designed to immerse students in the physical, biological, and earth systems sciences that shape our environment. Scientific concepts, principles, and modern science practices allow students to analyze environmental issues and engage in evidence-based decision making in real world contexts. AP Environmental Science is an extended time course to accommodate the laboratory requirements. Students are strongly encouraged to take the AP examination in Environmental Science after completing this course.

Biology

410

Grades 9, 10, 11, 12: 5 Credits

Biology is a lab/inquiry-based course where students will cultivate their understanding of biology as they explore the following topics: cytology, biochemistry, cellular processes, homeostasis and transport, cellular energy, reproduction, genetics, evolution, information transfer, ecology, and interactions.

CP Biology

412

Grades 9, 10, 11, 12: 6 Credits

CP Biology is a lab/inquiry-based course where students will cultivate their understanding of biology through complex investigations as they explore the following topics: cytology, biochemistry, cellular processes, homeostasis and transport, cellular energy, reproduction, genetics, evolution, information transfer, ecology and interactions. CP Biology is an extended time course to accommodate the lab requirements.

Honors Biology

400

Grades 9, 10: 6 Credits

Prerequisite: To enter this course a student should have earned a grade of 90 or higher in Science 8-

Honors Biology is a lab/inquiry-based accelerated course where students will cultivate their understanding of biology through rigorous investigations as they explore the following topics: cytology, biochemistry, cellular processes, homeostasis and transport, cellular energy, reproduction, genetics, evolution, information transfer, ecology, and interactions. Honors Biology is an extended time course to accommodate the laboratory requirements.

AP Biology (Dual)

413

Grades 11, 12: 6 Credits

Prerequisite: To enter this course a student should have earned a grade of 80 or higher in both Honors Biology and Honors Chemistry courses or have a grade of 90 or higher in both CP Biology and Technical Chemistry courses, or have a teacher recommendation.

It is highly recommended that students taking this course have a strong foundation in Algebra II and statistical concepts.

Advanced Placement Biology is a lab/inquiry-based course where students cultivate their understanding of biology through rigorous investigations as they explore the following topics: evolution, cellular process, energy and communication, genetics, information transfer, ecology, and interactions. AP Biology is an extended time course to accommodate the lab requirements. Students are strongly encouraged to take the AP examination in Biology after completing this course.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

Conceptual Chemistry
Grades 10, 11, 12: 5 Credits.

414

Conceptual Chemistry is a lab/inquiry-based chemistry course where through discussions and activities, students will explore the following topics: matter and change, measurements, atoms and subatomic particles, the periodic table, chemical bonding, formulas and compounds, chemical equations and reactions, stoichiometry, and acids and bases. Environmental Science standards will be infused within this course to show real-world connections. Conceptual Chemistry covers similar concepts as the CP Chemistry T [Technical] course described below, but requires less emphasis on mathematical skills and it is not an extended time course.

CP Chemistry T [Technical]
Grades 10, 11, 12: 6 Credits

415

CP Chemistry T [Technical] is a lab/inquiry-based college prep chemistry course. Through discussion and activities, students will explore the following topics: matter and change, measurements, atoms and subatomic particles, the periodic table, chemical bonding, formulas and compounds, chemical equations and reactions, stoichiometry, and acids and bases. Environmental Science standards will be infused within this course to show real-world connections. CP Chemistry T [Technical] is an extended time course to accommodate the lab requirements.

Honors Chemistry
Grades 10, 11, 12: 6 Credits

417

Prerequisite: To enter this course a student should have earned a grade of 80 or higher in Honors Biology, or 90 or higher in CP Biology, and an 80 or higher in previous Honors math course, or 90 or higher in previous CP math course, or have a teacher recommendation.

Honors Chemistry is a lab/inquiry-based, accelerated, comprehensive course. Students will cultivate their understanding of chemistry through rigorous investigations and will explore the following topics: matter and change, measurements, atoms and subatomic particles, the periodic table, chemical bonding, formulas and compounds, chemical equations and reactions, stoichiometry, and acids and bases. Environmental Science standards will be infused within this course to show real-world connections. Conceptual Chemistry. Honors Chemistry is an extended time course to accommodate the lab requirements.

AP Chemistry (Dual)
Grades 11, 12: 6 Credits

419

Prerequisite: To enter this course a student should have earned a grade of 80 or higher in Honors Chemistry or 90 or higher in CP Chemistry T[Technical] and an 80 or higher in a previous Honors math course, or 90 or higher in previous CP math course, or have a teacher recommendation.

Advanced Placement Chemistry is a lab/inquiry-based course where students will explore the following topics: structure of matter, states of matter, types of chemical reactions, stoichiometry, equilibrium, kinetics, thermodynamics, and descriptive chemistry. Students will be expected to acquire skills performing laboratory manipulations, making observations, recording data, and calculating and interpreting results. An emphasis will be placed on the design of experiments and adherence to proper experimental procedures. AP Chemistry is an extended time course to accommodate the lab requirements. Students are strongly encouraged to take the AP examination in Chemistry after completing this course.

CP Physics
Grades 11, 12: 6 Credits

421

CP Physics is a lab/inquiry-based course where students will study motion, energy, sound, light, heat, and electromagnetic and nuclear radiation. Practical applications to daily life will be explored. CP Physics is an extended time course to accommodate the lab requirements.

AP Physics I: Algebra-Based (Dual)
Grades 11, 12: 6 Credits

451

Prerequisite: To enter this course a student should have earned a grade of 80 or higher in previous Honors math and science courses, or 90 or higher in previous CP math and science courses, or have a teacher recommendation.

This course enables students to develop a deep understanding of the content and focuses on applying knowledge through inquiry labs. Topics include Newtonian mechanics, including rotational dynamics and angular momentum; work, energy, and power; and mechanical waves and sound, along with introducing electric circuits. AP Physics I is an extended time course to accommodate the lab requirements. Students are strongly encouraged to take the AP examination in Physics I after completing this course.

Dual - Dual Enrollment Course
21st - Meets NJDOE 21st Century Learning Requirement
VPA - Meets NJDOE Visual & Performing Art Requirement

AP Physics II: Algebra-Based (Dual)**452**

Grade 12: 6 Credits

Prerequisite: To enter this course a student should have earned a grade of 80 or higher in AP Physics I or have a teacher recommendation.

This course is a continuation of AP Physics I and it enables students to develop a deep understanding of the content and to focus on applying their knowledge through inquiry labs. Topics include fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. AP Physics II is an extended time course to accommodate the lab requirements. Students are strongly encouraged to take the AP examination in Physics II after completing this course.

Integrated Science**480**

Grades 11, 12: 5 Credits

Integrated Science is a lab/inquiry-based course that focuses on the interconnectedness of science, enhances students' knowledge of physical science, and introduces students to human anatomy and physiology. Topics include mechanics and energy, the dynamic earth, the impacts of climate change, and an introduction to human anatomy and physiology.

Honors Anatomy and Physiology**425**

Grades 11, 12: 5 Credits

Prerequisite: To enter this course a student should have earned a grade of 80 or higher in both Honors Biology and Honors Chemistry; courses or a grade of 90 or higher in both CP Chemistry T [Technical] and CP Biology courses, or have a teacher recommendation.

Honors Anatomy & Physiology is an inquiry/lab-based study of the human body that highlights the integration of structure and function through clinical applications, critical thinking approaches, laboratory experiments, etc. This course is for students interested in pursuing a career in medical fields, biological fields, or who are interested in understanding the human body. Working with live and preserved specimens is an integral part of this course.

Floral Design (21st)**436**

Grades 10, 11, 12: 2.5 Credits

Floral Design introduces students to career possibilities in the floral industry and provides basic instruction in the techniques of floral design and merchandising. Students will learn to identify and use cut flowers, cut foliage, and dried materials to investigate the importance to the floral industry. National FFA membership is an integral part of this course.

Introduction to Agriculture, Food, & Natural Resources (AFNR) (21st)**460**

Grades 9, 10, 11, 12: 5 credits

Introduction to AFNR introduces students to agricultural opportunities and the pathways of studies in agriculture. Science, mathematics, reading, and writing components are woven in the context of agriculture. Students will experience hands on activities in communication, the science of agriculture, plants, animals, and natural resources. In addition, students will understand specific connections between their lessons, the National FFA Organization, and the Supervised Agricultural Experience Program.

Principles of Agricultural Sciences - Plant (ASP)**464**

Grades 10, 11, 12: 5 Credits

If you are following the AgriScience Pathway, Introduction to Agriculture, Food, and Natural Resources (AFNR) must be taken as a prerequisite.

Students will experience various plant science concepts through exciting hands on activities, projects, and problems in our school greenhouse. In this lab/inquiry-based course, experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will work on major projects and problems similar to those that plant science specialists such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists face in their respective careers. The National FFA Association and the Supervised Agricultural Experience are an integral part of this course.

As per state requirements, this course may be used as science credits towards graduation. If a student has already fulfilled his or her science requirements toward graduation, this class may be used to satisfy the 5 credit 21st century life and career/career technical education graduation requirement.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

Principles of Agricultural Sciences - Animal (ASA)**468**

Grades 10, 11, 12: 5 Credits

If you are following the AgriScience Pathway, Introduction to Agriculture, Food, and Natural Resources (AFNR) must be taken as a prerequisite.

Students will experience various animal science concepts through exciting hands on activities, projects, and problems in our school animal program. There will be a lot of time spent working with and caring for our live animals. Through this lab/inquiry-based course, students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. The National FFA Association and the Supervised Agricultural Experience are an integral part of this course.

As per state requirements, this course may be used as science credits towards graduation. If a student has already fulfilled his or her science requirements toward graduation, this class may be used to satisfy the 5 credit 21st century life and career/career technical education graduation requirement.

Agricultural Business (21st)**470**

Grades 11, 12: 5 Credits

If you are following the AgriScience Pathway, Introduction to Agriculture, Food, and Natural Resources (AFNR), and ASP or ASA must be taken as prerequisite courses.

Agricultural Business is the capstone course for the AgriScience Program. This course introduces students to many areas of business management and agriculture. Mathematics, reading, and writing components are woven in the context of agriculture. Students will experience the business of agriculture through hands-on activities in advanced floral design, interior design, basic landscaping practice, animal science marketing, greenhouse sales and merchandising, and food science (farm to table). Students will investigate and develop viable business plans that solve local problems that may be communicated to members of the professional community. CASE Agricultural Business Foundations will be infused within this course.

SCIENCE COURSE SEQUENCES

<i>FOR THE CLASS OF 2023 and 2024:</i>						
GRADE 7	GRADE 8	FINAL GRADE	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Science 7	Science 8	No Requirement	Biology	Conceptual Chemistry	Integrated Science	Science Elective
		No Requirement	CP Biology	CP Chemistry T	AP Science Course	CP Physics
					CP Physics	AP Science Course
						Science Elective
90 or Higher	Honors Biology	Honors Chemistry	AP Physics 1	AP Science Course		

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

					Science Elective	Science Elective
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FOR THE CLASS OF 2021 and 2022:

GRADE 7	GRADE 8	FINAL GRADE	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Science 7	Science 8	No Requirement	Environmental Science	Biology	Conceptual Chemistry	Science Elective
		No Requirement	CP Environmental Science	CP Biology	CP Chemistry T	CP Physics
					AP Science Course	AP Science Course
					CP Physics	Science Elective
		90 or Higher	Honors Biology	Honors Chemistry	AP Science Course	AP Science Course
Science Elective	Science Elective					

ELECTIVE COURSES

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Introduction to Agriculture, Food, and Natural Resources	Introduction to Agriculture, Food, and Natural Resources Floral Design Principles of Agricultural Sciences – Plant Principles of Agricultural Sciences - Animal	Honors Anatomy Floral Design Introduction to Agriculture, Food, and Natural Resources Principles of Agricultural Sciences – Plant Principles of Agricultural Sciences - Animal Agricultural Business	Honors Anatomy Floral Design Principles of Agricultural Sciences – Plant Principles of Agricultural Sciences - Animal Agricultural Business

NOTE: Levels may change based on student performance.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

SCIENCE CAREER PATHWAY

AgriScience Pathway

Student Profile: Students interested in pursuing an AgriScience-related career.

	Level 1	Level 2	Level 3
AgriScience Pathway	460: Introduction to Agriculture, Food, and Natural Resources (AFNR) ~ 5 credits	464: Principles of Agricultural Sciences - Plant (ASP)~ 5 credits <i>OR</i> 468: Principles of Agricultural Sciences - Animal (ASA) ~ 5 credits	470: Agricultural Business ~ 5 credits
Other courses to consider	436: Floral Design (Semester Course)~ 2.5 credits		
Post-Secondary Opportunities	<ul style="list-style-type: none"> ● College <ul style="list-style-type: none"> ○ (2) year Associate’s Degree ○ (4) year Bachelor’s Degree ● Trade School ● Workforce <ul style="list-style-type: none"> ○ Greenhouse Management ○ Food Science ○ Natural Resources ○ Florist ○ Farm Management ○ Veterinary Technician ○ Landscaping/Lawn Care 		
Career Opportunities	Florist, Greenhouse Owner/Manager, Landscape and Lawn Care, Food Science, Natural Resources and Forestry, Farm Management, Crop Production, Veterinary Fields, Agribusiness, Agricultural Sales and Service, Agricultural Marketing, Agriculture Teacher/FFA Advisor, Animal Rescue/Control, Health Inspector		
Skills Learned	Greenhouse operations and scheduling, basic landscaping, food production and distribution, natural resources management, forestry, teamwork, problem solving, sales, marketing, public speaking, animal behavior and anatomy, communication skills, time management, and basic veterinary practices		
Notes	The National FFA Association membership and Supervised Agricultural Experience Program are integral parts of each AgriScience class.		

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

DEPARTMENT OF SOCIAL STUDIES

Required Summer Reading for the Social Studies Department

Summer reading and writing assignments for AP (Advanced Placement) courses may be assigned. All other social studies courses do NOT require summer reading and writing assignments.

COURSE DESCRIPTIONS

World History

231

Grade 9: 5 Credits

World History aims to develop an understanding and appreciation of the complexities that have created and continue to affect human society. The curriculum focuses upon the social, political, economic, and cultural phenomena that have influenced human settlement and interaction since the end of the Middle Ages. Topics studied include the ages of global encounters, revolutions, Imperialism, global conflicts, and contemporary times. A balance of materials from many diverse world cultures and civilizations will be employed in the course. Students will develop an appreciation of how and why societies change; why political and social conflict exists; how religion influences the development of societies; how individuals affect change; how social institutions and groups failed to function in beneficial ways when people have behaved in cruel or inhumane ways; and how people have worked to combat instances of prejudice, cruelty, and discrimination.

CP World History

232

Grade 9: 5 Credits

This course parallels the curriculum of World History. Because this course prepares students for academic achievement in college, the curriculum is rigorous and outside readings are routinely assigned. A greater emphasis will be placed on independent practice and primary source analysis. In order to be successful in this course, students must demonstrate an ability to understand varied texts and perspectives. Other elements emphasized in this course are effective writing skills, and critical thinking.

Honors World History

233

Grade 9: 5 Credits

Prerequisite: To enter this course a Grade 8 student should have earned a final average of 90 or higher in Civics 8, or have a teacher recommendation.

This course parallels the curriculum of World History, but will require extensive additional reading and writing. A greater emphasis will be placed on primary source material and document based questions. It is designed to prepare students who wish to take AP courses in social studies. Critical thinking, analytical skills, and historical scholarship are emphasized throughout this course.

United States History I

210

Grade 10: 5 Credits

United States History I focuses on political, diplomatic, societal, cultural, and economic forces that have shaped the history of the United States and New Jersey. This course covers the era of colonization of the Americas through the Progressive era of the early twentieth century. Students will be asked to make connections between events being studied to similar occurrences at different times in history and to present events. The course is intended to develop a broad appreciation for our American heritage, as well as for the rights and responsibilities of American citizens.

CP United States History I

211

Grade 10: 5 Credits

This course parallels the curriculum of United States History I. Because this course prepares students for academic achievement in college, the curriculum is rigorous and outside readings are routinely assigned. A greater emphasis is placed on research and primary source analysis. In order to be successful in this course, students must demonstrate an ability to understand varied texts and perspectives. Other elements emphasized in this course are effective writing skills, and critical thinking.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Honors United States History I**212**

Grade 10: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP social studies course, or have a teacher recommendation.

This course parallels the curriculum of United States History I, and covers the first portion of material assessed on the AP U.S. History exam. It should be considered the first half of the AP U.S. History course. Students will engage in frequent and rigorous reading and writing exercises, including primary source analysis and document based questions. Critical thinking, analytical skills, and historical scholarship are emphasized throughout this course. Outside readings are extensively assigned. This course prepares students for the rigor of Advanced Placement courses in social studies, and is recommended to those students considering taking AP social studies courses while enrolled at Warren Hills Regional High School.

United States History II**213**

Grade 11: 5 Credits

United States History II focuses on political, diplomatic, societal, cultural, and economic forces that have shaped the history of the United States and New Jersey. This course covers the era of World War I through contemporary times. Students will be asked to make connections between events being studied to similar occurrences at different times in history and to present events. The course is intended to continue the development of a broad appreciation for our American heritage, as well as to understand the evolution of our rights and responsibilities as American citizens.

CP United States History II**214**

Grade 11: 5 Credits

This course parallels the curriculum of U.S History II. Because this course prepares students for academic achievement in college, the curriculum is rigorous and outside readings are routinely assigned. A greater emphasis is placed on research and primary source analysis. In order to be successful in this course, students must demonstrate an ability to understand varied texts and perspectives. Other elements emphasized in this course are effective writing skills, and critical thinking.

Honors United States History II**215**

Grade 11: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP social studies course, 80 or higher in a previous Honors course, or have a teacher recommendation.

This course parallels the curriculum of United States History II and is open to students who commit to additional reading and writing throughout the course. A greater emphasis will be placed on primary source material and document based questions. Critical thinking, analytical skills, and historical scholarship are emphasized throughout this course. This course prepares students for the rigor of an Advanced Placement course in social studies, and is recommended to those students considering taking AP social studies courses while enrolled at Warren Hills Regional School District.

AP United States History II (Dual)**216**

Grades 11, 12: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP social studies course, 80 or higher in a previous Honors course, or have a teacher recommendation.

This course parallels the curriculum of United States History II, and covers the second portion of material assessed on the AP United States History examination and should be considered the second half of the AP United States History course. Students will engage in frequent and rigorous reading and writing exercises, including primary source analysis and document based questions. Critical thinking, analytic skills, and historical scholarship are emphasized throughout this course. Outside readings are extensively assigned. This course includes a demanding summer assignment. Students are strongly encouraged to take the AP examination in United States History after completing this course.

ELECTIVE COURSE DESCRIPTIONS**Sociology (Dual)****203**

Grades 10, 11, 12: 5 Credits

Sociology is the study of human relationships. It enables us to view human society as various social interactions and provides us with a better understanding of ourselves, of groups, and of our cultural and social worlds. Students will analyze how behaviors of individuals are largely shaped by groups they belong to, and by their culture and society. This course does not take the place of the required social studies courses.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Introduction to the Social Sciences**205**

Grades 10, 11, 12: 2.5 Credits

This course is designed to familiarize students with social science subjects such as anthropology, psychology, economics, and political science. Students will have the opportunity to evaluate the social science disciplines for potential careers and will be systematically introduced to processes that promote effective thinking and study habits. This course does not take the place of the required social studies courses.

Genocide: Betrayal of Humanity**207**

Grades 11, 12: 2.5 Credits

This course is designed to encourage tolerance in our culturally diverse state society. Students will analyze the occurrence of genocide as the consequences of prejudice and discrimination. Students will learn that each citizen bears personal responsibility to fight racism and hatred wherever and whenever it happens. This course will delve into the study of genocides through various primary sources from the Holocaust, Darfur, Native Americans, Bosnia, Rwanda, and other human rights atrocities. This course does not take the place of the required social studies courses.

Criminal Justice**208**

Grades 10, 11, 12: 2.5 Credits

This course is designed to acquaint students with knowledge of our legal and penal system in regard to its political, social and economic impact on the lives of each of us. The American judicial system will be examined through the lenses of varying types of statutes, court decisions, and of the penal system. Students will examine the delicate balance between the rights of the accused against the needs of the state to enforce its laws and punish those who violate them. Critical thinking, researching, reading, writing, listening, and oral presentations will be stressed. This course does not take the place of the required social studies courses.

AP World History: Modern (Dual)**237**

Grades 10, 11, 12: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP social studies course, 80 or higher in a previous Honors course or have a teacher recommendation.

This course is open to those who have successfully completed the required core course in World History. The study of civilizations from approximately 1200 C.E. up through the current era occurs through a structured approach developed by the College Board. Students are expected to attain much of the content through out of class readings, in-class investigations, and in-class discussions and evaluations of pertinent, often controversial issues. Critical thinking, analytical skills, sophisticated writing for different types of tasks, and historical scholarship are emphasized throughout this course. This course includes a demanding summer assignment. Students are strongly encouraged to take the AP examination in World History: Modern after completing this course. This course does not take the place of the required social studies courses.

AP European History (Dual)**235**

Grades 10, 11, 12: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP social studies course, 80 or higher in a previous Honors course or have a teacher recommendation.

This course concentrates upon the principle themes of modern European history by exposing participants to a factual, chronological development of events which marked the course of the Western world and its global influences from the end of the Medieval era to the present. Critical thinking, analytical skills, and historical scholarship are emphasized throughout this course. This course includes a demanding summer assignment. Students are strongly encouraged to take the AP examination in European History after completing this course. This course does not take the place of the required social studies courses.

AP United States Government and Politics**244**

Grades 10, 11, 12: 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in a previous CP social studies course, 80 or higher in a previous Honors course or have a teacher recommendation.

By examining the structure, process, and function of their government and politics students will come to understand the formal and informal ways in which the American government functions to serve the needs of its citizens. Students will critically explore historical materials and current political events through research and discussions in order to critique and evaluate the current state of the American democracy. Students will understand how individuals interact with their government through political parties and the media, and how those in government use political parties and the media to interact with individuals. Further, students will come to understand why individuals engage in political behavior and what they hope to gain from it. Critical thinking, analytical skills, and historical scholarship are emphasized throughout this course. This course includes a demanding summer assignment. Students are strongly encouraged to take the AP examination in United States Government and Politics after completing this course. This course does not take the place of the required social studies courses.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

SOCIAL STUDIES COURSE SEQUENCE

7 th Grade	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Geography & Culture	Civics	World History OR CP World History OR Honors World History	U.S. History I OR CP U.S. History I OR Honors U.S. History I	U.S. History II OR CP U.S. History II OR Honors U.S. History II OR AP U.S. History II	There is no required social studies course for Grade 12 students, unless a student is repeating a Grade 9, 10, or 11 required course that was failed.

ELECTIVE COURSES

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Digital Citizenship	Sociology Introduction to Social Sciences Criminal Justice AP World History AP European History AP U.S. Government & Politics	Sociology Introduction to Social Sciences Genocide: Betrayal of Humanity Criminal Justice AP World History AP European History AP U.S. Government & Politics	Sociology Introduction to Social Sciences Genocide: Betrayal of Humanity Criminal Justice AP World History AP European History AP U.S. Government & Politics

NOTE: Levels may change based on student performance.

DEPARTMENT OF SPECIAL EDUCATION

It is the goal of the Warren Hills Regional School District to place students, to the maximum extent possible, in the least restrictive environment. Educational schedules for students receiving special education and related services are varied and individualized. Special education course selections are made in conjunction with the teacher, parent, and child study team input. For more information, please contact the child study team office or your child's case manager.

INDIVIDUALS WITH DISABILITIES EDUCATION ACT (IDEA)

Students formally identified with special needs receive an Individualized Educational Program (IEP) developed by the child study team (CST), parents, and professionals related to each student's individual case circumstances. For more information, confer with your case manager, or the Supervisor of Special Education.

There are several distinct special education placement and program offerings for Grades 9-12:

- General Education Supplemented (GES)
- In-Class Support (ICS)
- In-Class Resource (ICR)
- Language/Learning Disabilities (LLD); Behavioral Disabilities (BD); (MD/AU) Multiple Disabilities /Autism Program
- English Language Arts Literacy (LAL)
- Vocational Training
- Structured Learning Experience (SLE)
- Life Skills/Independent Living
- World Language and Cultural Awareness

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

COURSE AND/OR PROGRAM DESCRIPTIONS

General Education Supplemental (GES)

Grades 9, 10, 11, 12

This placement provides learners with supplementary aids and services in the general education setting to enable students with disabilities access to the general education curriculum in a least restrictive setting. This educational placement affords learners with disabilities to be educated to the maximum extent possible with non-disabled peers (N.J.A.C 6A: 14-4.5).

Within the GES setting, all students are expected to master the goals of the general curriculum, participate in all activities, and complete all requirements of the class with minimal academic supports and assistance.

In-Class Support (ICS) Program

Grades 9, 10, 11, 12

This placement provides a collaborative/co-teaching framework at the high school. Learners are supported with a team teaching partnership that combines a general and a special educator who work as a team in a designated content area.

This arrangement affords learners with disabilities an opportunity to receive supported instruction in a regular education setting with non-learning disabled peers, a content specialist and a special education practitioner who is able to provide modifications and adjustments to meet the needs of learners with disabilities.

Within the ICS setting, all students are expected to master the goals of the general curriculum, participate in all activities, and complete all requirements of the class with modifications and supports that maintain the course goals and objectives.

In-Class Resource (ICR) Program

Grades 9, 10, 11, 12

This placement provides learners with resource program instruction in an integrated format with grade level peers at the high school in accordance with N.J.A.C. 14-14.6 and 6A:26-6.

Within the ICR setting, learners with disabilities are exposed to the regular curriculum standards which are modified to meet their academic needs based on their Individualized Educational Program (IEP) goals. Students who are assigned to this placement are expected to master curriculum goals and objectives and to participate in classroom educational activities.

Language/Learning Disabilities (LLD) Program

Grades 9, 10, 11, 12: 5 Credits Per Class

This is a comprehensive program placement that provides learners with disabilities instruction in core academics. The emphasis is on developing areas where learners may have educational deficits in order to build and scaffold academic skills and transition learners to a less restrictive setting.

English Language Arts Literacy Lab

Grades 9, 10, 11, 12: 5 Credits

970.1

This course provides direct instruction in a sequential and systematic manner through the employment of curriculum that uses a multi-sensory approach in developing reading skills. The class curriculum focuses on practical reading and writing skills; decoding, encoding, and comprehension strategies in an effort to more effectively and independently respond to fiction and non-fiction works. Enrollment in this course is based on teacher, case manager, parent, and student input.

Behavioral Disabilities (BD) Program

Grades 9, 10, 11, 12: 5 Credits Per Class

This program placement provides learners who meet the federal criteria with academic instruction in the core subjects as well as pro-social skills so as to assist students in developing critical social and emotional abilities. The class curriculum focuses on the development of personal responsibility, academic skills, social and emotional development within the context of school, home/family, and community.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Multiple Disabilities/Autism Programs

Grades 9, 10, 11, 12: 5 Credits Per Class

This program placement emphasizes the development of life skills necessary for transition to adult life. Instruction is provided in a more restrictive setting where learners with diverse abilities are able to benefit from a systematic educational approach that is centered on individualized programming and skill development.

Students who are enrolled in this program benefit from an instructional setting that incorporates specific educational goals, life skills, community involvement, functional academic and living skills. Instructional development and practices will be supported by a qualified Behaviorist or Board Certified Behavior Analyst (BCBA) as needed.

Pre-Vocational Training

996.am4

grades 9, 10: 5 Credits

Pre-Vocational is focused on teaching students skills that are necessary in the workplace. The students will be learning skills such as copying, printing, laminating, and poster making. Aside from the hands-on-experience they will receive in the classroom, they will be learning important soft skills that are relevant to the employment world.

Vocational Training

996.am5

Grades 11, 12; 5 Credits

Prerequisite: Pre-Vocational Training

Vocational Training is focused on providing acquisition, maintenance, and generalization of employment skills that can be utilized in future work settings while instilling self-confidence in each student.

Structured Learning Experience (SLE)

994.155

Grades 11, 12: 15 Credits

Prerequisite: Pre-Vocational and Vocational Training

This placement introduces learners to the requirements of employment. Learners who participate in this program are placed in several employment/job settings throughout the academic year where learners are exposed to different skill sets necessary for independent living through internships or job shadowing.

These placements are within Warren Hills Regional High School or in the Warren Hills community. The SLE program offers an extension to the learning experience for learners with disabilities as they are able to further develop independence, social skills, self-reliance, time management, self-esteem, positive work attitudes, motivation, decision-making, interviewing skills, safety skills, completing job applications, career exploration and career preparation. According to the State of New Jersey Structured Learning Experience (SLE) Guidelines, students are not permitted to attend school and work more than 40 hours a week/8 hours a day. Students who are enrolled in this program and have already met all of their high school credits are exempt from this rule.

Life Skills

996.3m

Grades 9,10: 5 Credits

Life Skills is designed to increase student knowledge and skills necessary for everyday living. The course emphasizes goal-setting, decision making, problem solving, communication, healthy lifestyles and relationships, nutrition, personal safety, citizenship and consumerism.

Independent Living

997.4A

Grades 11+: 5 Credits

Prerequisite: Life Skills

Independent Living is designed to provide naturally occurring life experiences for students with special needs. Transitional and life skills instruction is provided in the classroom as well as in the community. This small group instructional setting is designed to promote independence for students.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

World Language and Cultural Awareness
Grades 9, 10, 11 and 12+

997.50A

World Language and Cultural Awareness is offered to the MD/AU program as an alternative to the World Language requirement. World Language and Cultural Awareness focuses on understanding the differences in cultures around the world. Students will explore various countries while learning about their traditions, foods, clothing, music and language.

DEPARTMENT OF TECHNOLOGY EDUCATION

Students may elect courses from the department to fulfill graduation requirements in 21st century life and careers/career-technical education. Student safety in machine-based and tool-based environments is of paramount importance. Any student failing to adhere to the department's zero tolerance safety contract will be immediately and permanently removed from participation in that course.

COURSE DESCRIPTIONS

Foundations of Civil Engineering (21st)
Grades 9, 10, 11, 12: 2.5 Credits

804

This is a half-year introductory course that will be based on the engineering design process and problem solving approach. It is designed for students to gain a better understanding of how forces, loads and material components impact our daily lives. Students will design, construct, and test structures that represent our modern society, such as our roads, bridges, structures and other infrastructures. Students will explore the given career paths that civil engineering has to offer.

Foundations of Electronics (21st)
Grades 9, 10, 11, 12: 2.5 Credits

802

This is a half-year introductory course that will be based on the engineering design process and problem solving approach. It is designed for students who wish to further understand how their world is shaped by electricity and the electronic devices that surround them. The course blends electronic concepts and theory with practical hands on activities. Students will learn about safe practices concerning electronics, basic circuits and components, reading and interpretation of schematic diagrams, testing of electronic circuits and devices, construction of analog and digital electronic circuits as well as possible career direction.

Foundations of Green Energy (21st)
Grades 9, 10, 11, 12: 2.5 Credits

803

This is a half-year introductory course that will be based on the engineering design process and problem solving approach. It will cover the technical, economic and social difficulties of alternative energy. Experimenting with methods for extracting energy from the sun, wind, tides and currents will be discussed and evaluated. Other topics may include the impact of energy production on the environment, moral and ethical application and sustainable practices. Students will explore given career paths in green energy and alternative resources.

Foundations of Mechanical Engineering (21st)
Grades 9, 10, 11, 12: 2.5 Credits

805

This is a half-year introductory course that will be based on the engineering design process and problem solving approach. It will introduce students to the integration of simple machines and other mechanisms. In addition, students will develop an understanding of the basic dynamics of mechanical devices and their operation. Students will have the opportunity to fabricate and test their own mechanical devices as well as explore the given career path that mechanical engineering has to offer.

Foundations of Robotics (21st)
Grades 9, 10, 11, 12: 2.5 Credits

801

This is a half-year introductory course based on the engineering design process and problem solving approach. It is designed for students to experience and explore the opportunity of how robotics technology is applied to our modern industrial world. Through the use of various instructional materials, including hands-on model assemblies, students will gain a clear understanding of basic robotics technology systems, applications, and modern implementation of Robotics in manufacturing and related careers.

Dual - Dual Enrollment Course
21st - Meets NJDOE 21st Century Learning Requirement
VPA - Meets NJDOE Visual & Performing Art Requirement

Essentials in Construction & Carpentry (21st)**855**

Grades 9,10, 11, 12: 5 Credits

This full year course introduces students to the fundamental concepts of construction & carpentry. It provides students with an operational knowledge of home construction, principles of carpentry, electricity, plumbing, and roofing; and an introduction to the tools associated with diverse home maintenance and blue print interpretation/design. Basic construction math will be incorporated into real-life applications. This course also serves as the first level of the Pathway to Architecture/Construction Pathway. This course will retain the flexibility of introducing architectural concepts that will be further developed at the Principles of Architectural Construction & Design level.

Foundations of Architecture (21st)**870**

Grades 9, 10, 11, 12: 5 Credits

This full year course will provide students with an introduction to the world of mechanical drawing and architectural design. Areas of study will include house types, styles, influencing factors, residential design, basic components of house construction, and plan reading and drawing. Students will ultimately design a house, develop the plans, details and working drawings necessary to build it. Throughout the course students will utilize AutoDesk to meet the required challenges. Students will begin portfolios reflecting the body of their work. Basic construction math will be incorporated into real-life applications. This course will retain the flexibility of introducing concepts that will be further developed at the Principles of Architectural Construction & Design level.

Principles of Architectural Construction & Design (21st)**872**

Grades 10, 11, 12: 5 Credits

Prerequisite: Foundations of Architecture or Essentials in Construction & Carpentry

This full year course allows students who successfully completed either of the two prerequisites to advance their interest in Architecture in greater detail. Students will complete both residential and commercial design study utilizing AutoDesk architectural and 3-D modeling software, as well as using the drawing board. This course will place an emphasis on the following: Three dimensional conceptualizations; design process; advanced knowledge in construction and architectural plans, such as electrical, plumbing and HVAC; site development; model building; time management skills; and the purpose of documents required for construction. The class will further the portfolios started in level one portfolios with college admissions in mind. Basic construction math will be incorporated into real-life applications. This course retains flexibility of instruction as deemed necessary in order to preserve the pathway model.

Woods Manufacturing I (21st)**890**

Grades 9, 10, 11, 12: 5 Credits

This full year course introduces students to the world of Woodworking. It addresses shop safety and standard operating procedure. The utility of hand tools and stationary power tools is also addressed. In addition, instruction is provided in the areas of wood selection, joint construction, sanding, gluing, fastening, and finishing. Students are required to create working drawings, material lists, material cost analyses and fine finished products. As approved by the instructor, independent projects may utilize materials provided by the student. Basic construction math will be incorporated into real-life applications.

Woods Manufacturing II (21st)**893**

Grades 10, 11, 12: 5 Credits

Prerequisite: Woods Manufacturing I formerly Woodworking I

This full year course allows students to further develop skill sets introduced in Woods Manufacturing I. Students will learn the safe basic operation of such machinery as the table saw, jointer, surfacer, and router. The opportunity for lathe work is also available. In addition, students are required to create working drawings, materials lists, and material cost analyses. Each student is required to produce finished projects based upon his or her plans. As approved by the instructor, independent projects may utilize materials provided by the student. Basic construction math will be incorporated into real-life applications. Additionally, flexibility is provided for the introduction of manufacturing theory and skills, for the purpose of preparing students for Advanced Topics in Woods Manufacturing & Design.

Advanced Topics in Woods Manufacturing & Design (21st)**894**

Grades 11, 12: 5 Credits

Prerequisite: Woods Manufacturing II; formerly Woodworking II, or have a teacher recommendation.

This full year course is for the student who wishes to develop, enhance and solidify skills and techniques used in woodworking fabrication and design. This would include, but not be limited to, advanced joinery techniques, manufacturing theory and skills, carpentry skills and more. In addition, students are required to create working drawings, materials lists, and material cost analyses. Each student is required to produce finished projects based upon his or her plans. As approved by the instructor, independent projects may utilize materials provided by the student, and work towards integrating manufacturing principles. This course will allow opportunities for implementing teamwork with an emphasis on production and manufacturing.

[Dual - Dual Enrollment Course](#)[21st - Meets NJDOE 21st Century Learning Requirement](#)[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Woodcarving (21st)**886**

Grades 10, 11, 12: 2.5 Credits

Prerequisite: Woods Manufacturing I or have a teacher recommendation.

This half year course is open to students who have successfully completed Woodworking I. Advanced detail and painting is a core component of this course. Specific areas of instruction include: history of woodcarving; tool safety and maintenance; types of carving and finishing techniques. Independent projects may utilize materials provided by the student.

Principles of Engineering (21st)**865**

Grades 10, 11, 12: 5 Credits

Prerequisite: Successful completion of Foundations of Civil Engineering, Foundations of Mechanical Engineering, Foundations of Robotics, Foundation of Green Energy, and/or Foundations of Electronics, or have a teacher recommendation.

This full year intermediate level course will be based on the engineering design process and problem solving approach. Students will be instructed in the various areas of engineering and then be asked to solve problems based on the skills and knowledge they have acquired. For example, students will participate in the in class robotics competition, where they will design and construct a robot based on electronic, mechanical and material processing skills. This will give them the opportunity to experience practical problem solving under the pressure of competition. Also, students will further their knowledge of Computer Aided Design (CAD) by using Inventor and other programs from the AutoDesk Suite, as well as advancing on the 3D printer.

Computer Animation (21st)**841**

Grades 9, 10, 11, 12: 2.5 Credits

This half year course includes a brief history of animation, sketching and storyboards, and three-dimensional animation design utilizing a software program used by major television and movie companies. While using the computer software, students will create 3D objects, add materials and lighting, and finally give their objects life by animating them in a 30 second animation.

Honors Advanced Topics in Engineering (21st)**892**

Grades 11, 12: 5 Credits

Prerequisite: A grade of 85 or higher in Principles of Engineering, or have a teacher recommendation.

This full year advanced level course is the capstone of the Warren Hills engineering program. Students will conduct real-life case studies and refine their skills for solving problems by using the design process. Students will be required to conduct in-depth research, develop solutions, and construct working prototypes that solve complex problems. Students will use computer-drafting software to demonstrate and explain gear ratio, material stability, and stress analysis. Students will design and develop a comprehensive electronic and print design portfolio to present the results of their research and solution.

Dual - Dual Enrollment Course

21st - Meets NJDOE 21st Century Learning Requirement

VPA - Meets NJDOE Visual & Performing Art Requirement

TECHNOLOGY EDUCATION COURSE SEQUENCES

GRADE 7	GRADE 8	FINAL GRADE	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Robotics 7 Computer Science 7	STEM 8 Computer Science 8	No Requirement	Foundations of Architecture Computer Animation	Principles of Architectural Construction & Design Computer Animation	Advanced Topics in Architectural Design	
			Woods Manufacturing I	Woods Manufacturing II	Advanced Topics in Woods Manufacturing & Design	Advanced Topics in Architecture Design
			Woods Manufacturing I Essentials in Construction & Carpentry	Wood Manufacturing II Woodcarving Essentials in Construction & Carpentry		
			Foundations Courses	Foundations Courses Principles of Engineering	Foundations Courses Honors Advanced Topics in Engineering	Foundations Courses Honors Advanced Topics in Engineering

ELECTIVE COURSES

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Foundations of Civil Engineering Foundations of Mechanical Engineering Foundations of Electronics Foundations of Green Energy Foundations of Robotics Foundations of Architecture Essentials in Construction & Carpentry Woods Manufacturing I Computer Animation	Foundations of Civil Engineering Foundations of Mechanical Engineering Foundations of Electronics Foundations of Green Energy Foundations of Robotics Essentials in Construction & Carpentry Foundations of Architecture Principles of Architectural Construction & Design Woods Manufacturing I Woods Manufacturing II Woodcarving Principles of Engineering Computer Animation	Foundations of Civil Engineering Foundations of Mechanical Engineering Foundations of Electronics Foundations of Green Energy Foundations of Robotics Essentials in Construction & Carpentry Foundations of Architecture Principles of Architectural Construction & Design Woods Manufacturing I Woods Manufacturing II Woodcarving Principles of Engineering Honors Advanced Topics In Engineering Computer Animation Advanced Topics on Woods Manufacturing and Design	Foundations of Civil Engineering Foundations of Mechanical Engineering Foundations of Electronics Foundations of Green Energy Foundations of Robotics Essentials in Construction & Carpentry Foundations of Architecture Principles of Architectural Construction & Design Woods Manufacturing Woods Manufacturing II Advanced Topics in Woods Manufacturing & Design Advanced Topics in Architecture Design Woodcarving Principles of Engineering Honors Advanced Topics In Engineering Computer Animation

Dual - Dual Enrollment Course
 21st - Meets NJDOE 21st Century Learning Requirement
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OTE: Levels may change based on student performance.

TECHNOLOGY CAREER PATHWAYS

Construction/ Architecture

Student Profile: A. Students interested in architecture, construction, & interior design/cabinetry, plumbing, electrical wiring, and roofing. B. Students who may have an interest in exploring entrepreneurial work.

	Level 1	Level 2	Level 3
	<i>5 Credits</i>	<i>5 Credits</i>	<i>5 Credits</i>
Courses	Foundations of Architecture Essentials in Construction & Carpentry	Principles of Architectural Construction & Design	Advanced Topics in Architectural Design
Other Courses to Consider	<ul style="list-style-type: none"> ● Intro to Entrepreneurship ● Foundations of Art ● Business electives, i.e. Accounting, Financial Literacy ● Agriculture courses ● Woods Manufacturing 		
Post-Secondary Opportunities	<ul style="list-style-type: none"> ● College (2) Year Associate’s Degree / (4) Year Bachelor’s Degree ● Vocational Trade School ● Apprenticeship ● Workforce: (Construction & Carpentry) 		
Career Opportunities	<ul style="list-style-type: none"> ● Architect ● Architectural Engineering ● Interior design ● Construction 	<ul style="list-style-type: none"> ● Cabinet Installer ● Framer ● General Contractor ● HVAC Technician ● Trim Carpenter ● Floor installation 	<ul style="list-style-type: none"> ● Plumber ● Electrician ● Roofer ● Technology Education Teacher
Skills Learned	<p>Ability to read blueprints , tool/machine safety, interpretation of scale, reverse engineering, problem solve , attention to detail, ability to follow directions, installation and leveling of doors/windows, installation of plumbing/electrical, framing a wall/house, installation of (roof, exterior siding, floor, and cabinets), design process i.e. (house/room), understanding of HVAC, familiarity with standard local & state building code, accurate measurement , documentation, teamwork, communication, time management.</p>		

Dual - Dual Enrollment Course
 21st - Meets NJDOE 21st Century Learning Requirement
 VPA - Meets NJDOE Visual & Performing Art Requirement

Engineering

Student Profile: Students interested in Engineering.

	<i>Minimum 2.5 Credits</i>	<i>5 Credits</i>	<i>Minimum 5 Credits</i>
Courses	Foundations of Civil Engineering Foundations of Mechanical Engineering Foundations of Electronics Foundations of Robotics Foundations of Green Energy	Principles of Engineering	Honors Advanced Topics in Engineering
Other Courses to Consider	<ul style="list-style-type: none"> ● Honors/AP Level Math and Science (including Calculus and Physics) ● Business electives ● Art and multimedia electives ● Computer Animation ● Intro to Entrepreneurship ● Public Speaking ● Computer Science 		
Post-Secondary Opportunities	<ul style="list-style-type: none"> ● College (2) Year Associate's Degree / (4) Year Bachelor's Degree ● Vocational Trade School 		
Career Opportunities	Engineering in related field. i.e. (computer, mechanical, electrical, civil, environmental, industrial, interdisciplinary). Technology Education Teacher.		
Skills Learned	The design process, problem solving, time management, & teamwork, CAD/3-D modeling, communication, reverse engineering, measuring, documentation, idea generation, CNC techniques, Engineering Principles.		

Manufacturing

Student Profile: Students interested in woodworking/manufacturing/ entrepreneurship

	Level 1	Level 2	Level 3
Courses	<i>5 Credits</i>	<i>5 Credits</i>	<i>5 Credits</i>
	Woods Manufacturing I	Woods Manufacturing II	Advanced Topics in Woods Manufacturing & Design
Other Courses to Consider	<ul style="list-style-type: none"> • Woodcarving • Essentials in Construction & Carpentry • Principles of Architectural Construction & Design • Foundations courses for Engineering • Business electives • Math electives beyond Algebra II • Agriculture courses 		
Post-Secondary Opportunities	<ul style="list-style-type: none"> • College (2) Year Associate's Degree / (4) Year Bachelor's Degree • Vocational Trade School • Workforce; entry level position for installation, or direct entry to military 		
Career Opportunities	<ul style="list-style-type: none"> • Apprentice work • Laborer • Manufacturing & Processing work 	<ul style="list-style-type: none"> • Woodworking/Metalworking • Construction/Maintenance • Contractor work • Trim Installation • Cabinet/furniture maker 	<ul style="list-style-type: none"> • Entrepreneurial work/Equipment repair work • Machine Operator • Teacher
Skills Learned	<p>Fundamentals of equipment safety, proper tool/equipment use, general craftsmanship, i.e. joinery, plan reading, & assembly, reverse engineering, problem solving, attention to details, ability to follow directions, design process/ furniture design, accurate measurement, interpretation of scale, documentation, teamwork, communication, time management, product design/fabrication. CNC techniques, Material Identification.</p>		
Notes	<p>Extra-curricular activities to consider: TSA, Robotics, DECA</p>		

DEPARTMENT OF WORLD LANGUAGES/ESL

While the state and school requirement is one year of a world language, students are reminded that most colleges and universities require a minimum of two to three years of the same world language. Students are encouraged to speak with their guidance counselors and/or their case managers to ensure they make sound scheduling decisions. Students should contemplate the increased rigor involved when choosing a course that builds on previous courses, recognizing that prior performance impacts the ability to achieve at the same level in subsequent courses.

The New Jersey Department of Education (NJDOE) has established the *State Seal of Biliteracy* to recognize high school graduates who have attained a high level of proficiency in speaking, reading, and writing in one or more world languages in addition to English. For more information, contact your guidance counselor or case manager. Additional information can be found at [NJDOE State Seal of Biliteracy website](#).

COURSE DESCRIPTIONS

Level I 5 Credits

501 French
511 German
521 Spanish

The novice level of formal world language study introduces the student to the fundamental principles of the language and begins to develop the language skills of listening, speaking, reading, and writing. Using a variety of teacher-made, commercial-and authentic materials, the student will be afforded ample opportunity to become actively involved with the language and culture. Although the novice level of world language study concentrates on the student's understanding and recognition of basic grammatical functions, equal emphasis is placed upon the student's ability to use the language in familiar everyday situations.

Level II 5 Credits

Prerequisite: Successful completion of Level I of the language. Any student who has successfully completed Level I of the language in Grade 8 is eligible to take Level II in Grade 9.

503 French
513 German
523 Spanish

The second level of world language study further develops the fundamental language skills. As in the first level, the second level of world language study utilizes various materials that encourage the student to become an active participant in the classroom activities. The novice level continues to concentrate on the student's understanding and recognition of the grammatical principles of the language, and the student's ability to develop and utilize these concepts in a variety of topics while increasing exposure to the cultural aspects of the languages.

Level III 5 Credits

Prerequisite: Level II of the language.

505 French (Dual)
515 German
525 Spanish (Dual)

The third level of foreign language study provides more in-depth consideration of the complex grammatical structures of the language and is designed to improve the student's efficiency in the four language skills. The third year can be thought of as the intermediate level, which begins to prepare the student for foreign language study at the advanced level and for study on the college, or university level. Major emphasis is placed upon the conversational proficiency of the student. Contemporary literature is introduced and used as the basis for discussion about the intricacies of the respective cultures.

Honors Level IV 5 Credits

Prerequisite: To enter this course a student should have earned a final average of a 90 or higher in the Level III World Language course, or have a teacher recommendation.

507 French (Dual)
517 German
527 Spanish (Dual)

The fourth level of world language study refines all four of the language skills –listening, speaking, reading, and writing, with special emphasis on creative conversation and exposition. The fourth year begins world language study at the college and university level. Increased exposure to the cultural aspects of the languages and their respective countries is presented through a variety of materials and discussions.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

AP Level V

5 Credits

Prerequisite: To enter this course a student should have earned a final average of an 80 or higher in the Level IV World Language course, or have a teacher recommendation.

510 French

519 German

529 Spanish (Dual)

AP World Language study further refines language abilities through the use of advanced materials. The AP World Language level is intended for those who have chosen to develop their proficiency in world language without special emphasis on literature. The courses stress oral skills, composition, and culture. The courses emphasize the use of world language for active communication. Students are strongly encouraged to take the AP examination in World Language after completing this course.

Fundamentals of Spanish

520

Grades 9, 10, 11, 12: 5 Credits

Prerequisite: Teacher recommendation. May be recommended by guidance counselor or case manager.

This course is a basic level Spanish with a focus on verbal and aural skills and project based assessments that will cover traditional topics such as culture, self, home, and school at an accommodating pace. Vocabulary and grammatical structure will be introduced in the context as they support communicative processes. This course will enable students to develop proficiency in Spanish and make it possible for students to experience success in the study of a world language to enhance their opportunities for potential future study in the target language. This course will satisfy graduation requirements; however, it may not be recognized for college acceptance. Subsequent World Language study would continue with Spanish I, if desired.

English as a Second Language (ESL)

500

Grades 9, 10, 11, 12: 5 credits

Students enrolled in English as a Second Language (ESL) come to Warren Hills from a variety of cultural backgrounds and with varied levels of English skills. Instruction must therefore be individualized. The curriculum appropriate for any given student is modified through varying techniques, strategies, and materials. The program is designed to encourage students to maintain their identity, language and cultural heritage, while learning a new language and adapting to a new cultural environment. The principal goal is to prepare the ESL students to be as functional as possible, as soon as possible, in the English-speaking classroom. Students may repeat participation in this course in Grades 10, 11 and 12 for credit.

ESL Supplemental

550

Grades 9, 10, 11, 12: 5 Credits

This course is for those students that are currently enrolled or, in transition from, an ESL program. This course is designed to monitor the progress of the ESL student in their core subjects. Students will continue to work on their English skills in conjunction with their other subject areas. Projects will be assigned accordingly. Students may repeat participation in this course in Grades 10, 11 and 12 for credit.

ESL English

500.3

Grades 9, 10, 11, 12: 5 Credits

ESL English is a full year course for Grades 9 - 12. This course is geared toward those students in ESL. Students will study literature, writing and related skills such as vocabulary, grammar, reading and listening. This course meets the English requirements towards graduation. Students may repeat participation in this course in Grades 10, 11, and 12 for credit.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

WORLD LANGUAGES COURSE SEQUENCES

GRADE 7	GRADE 8	FINAL GRADE	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Exploratory French, German or Spanish	Level 8 - Spanish only	No Requirement	Level I	Level II	Level III	
			Level II	Level III	Level IV Honor	Level V AP
	Level I	90 or Higher	Level II	Level III	Level IV Honors	Level IV Honors

NOTE: Levels may change based on student performance.

ADDITIONAL EDUCATIONAL PROGRAMS

Interested students and their parents/guardians should speak to the guidance counselor or case manager about any of these options.

COURSE AND/OR PROGRAM DESCRIPTIONS

Alternative Learning Community

Grades 9, 10, 11, 12

The Alternative Learning Community (ALC) is designed to assist students who have academic and/or social needs that may affect their chances for successful transitioning into the high school setting. Class sizes are limited. When sufficient progress is made, students are placed out of the ALC and mainstreamed.

Character Development & Leadership Program

025

Grade 11: 5 Credits

This course is open to all students.

As a prelude to the Peer Leadership Program for seniors, this course is designed to challenge students intellectually, emotionally, and behaviorally as it focuses on several role models that describe character and leadership. Examples of topics include effective ways to handle peer pressure—courage; showing respect to others—respect; building positive communication skills—empathy; and addressing bullying in your school—compassion.

Peer Leadership

050

Grade 12: 5 Credits

Peer leadership is a full year training course and co-curricular program for students interested in serving as peer leaders during their senior year. Participants will study models designed to promote positive influence on the behavior, ideas, attitudes, and decisions of students in our school community. The course will be taught by trained faculty, with significant portions of the class dedicated to actual group work experience. Acceptance into the course is dependent upon the selection process by a faculty committee. The criteria are: academics; leadership qualities or potential for leadership; dynamism; respect of teachers and peers; disciplinary record; demonstrated willingness to work with all members of the school community regardless of gender, sexual orientation, race, ethnicity, socio-economic class, clique, or cultural sub-group; evidence of high moral character. To be considered for acceptance to the program, students must register for the class with their guidance counselor or case manager. Under normal circumstances, students will be notified about their acceptance into the program no later than the last day of school. All students selected for this program will be required to attend mandatory 2-day summer training at the high school from 9:00 a.m. until 3:00 p.m. Students accepted to the program will receive more information in their acceptance letters at the end of June. Dates will be determined.

[Dual - Dual Enrollment Course](#)

[21st - Meets NJDOE 21st Century Learning Requirement](#)

[VPA - Meets NJDOE Visual & Performing Art Requirement](#)

Independent Study

Grades 11, 12

The wide variety of students' interests, motivation, and responses to school make clear that no single approach to learning will work for all students. Learning takes place in a variety of ways under a variety of circumstances – it is a highly individual process. The manner and techniques by which something has been learned can vary considerably. Independent study provides students with an opportunity to design individual projects and enter into a contract for completion of the project activities. Students should realize that Independent Study requires a great deal of personal initiative and responsibility. A student cannot complete an Independent Study for a course already offered in our Program of Studies. However, an exception may be made if a course required for graduation is not available. Additionally, credit earned through an Independent Study cannot count towards the 135 credits required for graduation unless it is an exception and required for graduation.

Independent Study projects can be designed for either a semester or a full year and are limited to 5 credits per year. Students interested in developing an Independent Study project should first discuss their ideas with an appropriate Warren Hills teacher who is willing to serve as the student's facilitator. Specific guidelines, as well as application forms, are available in the Guidance Office. Final approval will be determined by the Assistant Superintendent of Curriculum & Instruction. *NOTE: Independent Study may only be done before school, during lunch, or after school.*

Horizons Program

Grades 9, 10, 11, 12

The Horizons Program of Warren Hills may include identified Gifted and Talented Students; however, it is available to all students who have an interest in developing and challenging original ideas, especially as solutions to problems.

Warren Hills is a member of the Warren County Consortium for Student Enrichment, which sponsors many opportunities for students. The Horizons Program also participates in the high school Warren-Hunterdon Academic Meet (WHAM). In addition to participation in county and state activities, the Horizons Program sponsors *extra-curricular* opportunities such as writing conferences and arts symposiums for both the middle and high school students. All the activities are designed to stimulate high levels of thinking, promote creative and critical problem solving, and developing leadership skills.

Dual - Dual Enrollment Course

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VPA - Meets NJDOE Visual & Performing Art Requirement