

WOOD-RIDGE JUNIOR-SENIOR HIGH SCHOOL



PROGRAM OF STUDIES

2018- 2019

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MISSION STATEMENT

The mission of the Wood-Ridge School District is to create an educational environment that provides learning experiences, which enables each child to reach his/her potential. Due to our small size we are a unique learning community, where we get to know each and every child. Our community of staff prepares our students for the future by creating opportunities for personal growth, self-esteem, and success. Through its educational practices, the district promotes acceptance, understanding, and respect for cultural differences.

STATEMENT OF PHILOSOPHY

The Wood-Ridge School District believes that academic excellence is within the reach of all students. Of equal importance is our concern for each student's personal growth and social responsibility. We are committed to providing a positive environment in which staff, students, parents, and the community at large can work together to encourage decision-making and problem solving. This collaboration fosters learning and promotes the highest level of student and staff performance. Through the integration of technology the district seeks to enhance the delivery of instruction and prepare students and staff to compete successfully in an ever-changing world.

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Program of Studies Introduction

2018-2019

This Program of Studies booklet is a comprehensive resource that students should reference when seeking information regarding courses of study. It contains a description of all courses in the 2018-2019 instructional program, graduation requirements, college admission requirements, guidelines for entrance and withdrawal from courses, standards for special class placement, athletic eligibility rules, the method for computing overall grade point average, and pupil records. It is important for parents and students to become familiar with this information before course selections are made.

As you examine the course selections in this booklet, please keep in mind not only your short-term needs, but also your long-term goals. At Wood-Ridge Junior-Senior High School, we offer a variety of electives from which you may choose, and you should be mindful at all stages of planning that we also have a number of graduation requirements. Students and parents are urged to consult with their school counselor to develop an appropriate academic program. Together, school counselors, students and parents coordinate an appropriate academic plan by reviewing student achievement, interests and aptitude related to individual career or educational goals. Teachers are also available to answer specific questions regarding course requirements and their importance toward intended college/career choices.

Definition of Terms

A philosophy is an expression of the fundamental beliefs concerning the role of the school in a given community. We offer the following definitions which an educational program should comprise:

- **Curriculum** is the planned and guided learning activities sponsored by the school.
- **Core Curriculum** refers to those aspects of the school program required of all students. This phase of the curriculum will require common heterogeneous learning experiences for all students and will develop attitudes and skills among students which are necessary for the common good.
- **Special Education** provides instructional support services to students with learning difficulties.
- **Electives** represent that aspect of the curriculum which is independent of any specialized curricular pattern and which offers students exploratory, special interest and enrichment courses from which they may select.
- **Co-Curricular** includes student activities which, rather than being extra-curricular, are actively interwoven into the other three areas of the curriculum wherever possible.
- **Pre-Requisite** is a course which you must satisfactorily complete before you may take certain other courses. For example, Spanish II must be taken before Spanish III.
- **Co-Requisite** is a course which you must take in conjunction with another course.
- **Post-Secondary Education** is any formalized program of studies occurring after high school.
- **Technology-Based Projects** will be incorporated into instruction to enhance the student's ability to process and display information in a variety of presentation formats.

Course Offerings Grades 7-8

LANGUAGE ARTS:

ENGLISH – Grade 7

51035

Honors Pre-Requisite: *Score of 7+ on the district Honors rubric*

While developing a foundation of the functions of the English language, students generate both written and oral assessments as they correlate the relationships among different literary genres. Also, students will apply speaking and listening skills in active group discussion while engaging in research based assignments.

ENGLISH – Grade 8

51036

Honors Pre-Requisite: *Score of 7+ on the district Honors rubric*

Students apply reading and writing skills to the following types of text: narrative, drama, poetry, informational/explanatory, and persuasive. In addition, students will apply speaking and listening skills including student discussion and collaboration. Students develop an understanding of core vocabulary, word nuances, and acquire terminology to produce written and spoken assessments.

MATHEMATICS:

MATHEMATICS – Grade 7

52037

The mathematics program at this level is designed to transition students from elementary mathematics to algebra. This course provides an in-depth presentation of the prerequisite skills, concepts, and problem-solving processes needed for students to learn algebra. The course provides an appreciation for the intrinsic value of mathematics as well as its applications in life and work. The proficiencies for the Partnership for Assessment of Readiness for College and Careers are embedded in the curriculum with an emphasis on problem-solving strategies. The course begins with decimals and integers; equations and inequalities, and moves through the following: exponents, factors and fractions; ratios, rates and proportions; percents, geometry and measurement; patterns and graphing coordinates; analyzing data and using probability.

PRE-ALGEBRA – GRADE 7

52051

Pre-Requisite: *Score of 7+ on the district Honors rubric*

This course is the prelude to Algebra is offered to honors math students. Students study algebraic expressions and integers, solving equations and inequalities; decimals and equations; factors, fractions and exponents; ratios, percents, proportions; linear functions and graphing; spatial thinking; area and volume; right triangles in algebra; data analysis and probability, and non-linear functions and polynomials.

MATHEMATICS – Grade 8

52038

This mathematics course provides an in-depth presentation of the pre-requisite skills, concepts, and problem-solving processes needed for students to learn algebra. The course provides an appreciation for the intrinsic value of mathematics as well as its applications in life and work. The proficiencies for Partnership for Assessment of Readiness for College and Careers are embedded in the curriculum as the following themes and topics are addressed: integers and algebraic expressions; equations and inequalities; graphing in the coordinate plane; real numbers; applications and proportion; applications of percent; exponents and powers; geometry and measurement; using graphs to analyze data; probability; and algebraic relationships.

ALGEBRA I M/S – GRADE 8**52052****Pre-Requisite:** *Successful Completion of Pre-Algebra and a score of 7+ on the district Honors rubric*

The course is high school Algebra I and is offered to honors math students. It begins with an introduction to variables and numerical operations and builds upon prior learning of math skills, examining different methods of solving a system of equations. Additional topics addressed in the course are: properties of sets of real numbers, graphing on a coordinate plane, slope, equations of lines, solving linear equations and inequalities, similarity, polynomials and their operations, probability, laws of exponents and algebraic problem solving.

A TI-83+ or better graphing calculator is required**SCIENCE:****SCIENCE – GRADE 7****53237****Honors Pre-Requisite:** *Score of 7+ on the district Honors rubric*

Life science is the study of living things. Students will start the year by reviewing the scientific method and then will jump into what makes an organism alive. Throughout the year, they will compare living things to nonliving things, learn about genetics and heredity, be able to classify organisms using different classification models and will also learn about different types of animal behavior and communication. The students then go into depth and learn about organisms such as bacteria, plants, invertebrates, fish, amphibians, reptiles, birds and mammals. At the end of the year, students will integrate their knowledge of these organisms and will analyze how they adapt and how they evolved over time. Students will then learn about the ecosystems and biomes that these organisms live in. Finally they will learn about environmental problems and solutions that can affect our planet and the organisms that live there.

SCIENCE – GRADE 8**53238****Honors Pre-Requisite:** *Score of 7+ on the district Honors rubric*

Physical science is the study of our physical world. Students will start the year by reviewing the scientific method and how it leads into learning about different types of technology. At the beginning of the year, the students learn about the smallest component of the physical world, the atom. Students will research about atomic theory and its structure. As the year progresses, they will learn about specific elements on the periodic table and how the periodic table is structured. They will also learn about chemical bonds, physical and chemical reactions, forces and motion, and weather. By the third marking period, the eighth graders will venture off into earth science, where they will learn about the structure of the earth, earthquakes, volcanoes, fossils and the rock cycle. By fourth marking period, the students will close up the year with astronomy. They will learn about the earth, sun and moon system, our solar system and space travel.

SOCIAL STUDIES

SOCIAL STUDIES – Grade 7

54437

Honors Pre-Requisite: *Score of 7+ on the district Honors rubric*

Students study the development of American history from the Revolution to the Civil War with a major unit being comprised of civics and the Constitution. This course will provide students with information to understand themes of history; illustrate how place and location can mean different things; consider how people relate to their environment and to each other; comprehend, evaluate, analyze the Bill of Rights and Constitution and the branches of Government; understand the effects on United States life resulting from foreign conflicts; develop an appreciation of the American Judicial System; recognize and be able to provide examples of doublespeak and euphemisms that often lessen the horrors of war; understand the “how’s and why’s” of the origins of American Indians and the explorers of America; develop an understanding of the American Cultures and corresponding historical backgrounds; students will develop an appreciation of prominent figures past and present.

SOCIAL STUDIES – Grade 8

54438

Honors Pre-Requisite: *Score of 7+ on the district Honors rubric*

Year two of American History picks up the chronology of major events after the Civil War focusing on Reconstruction, western expansion, rise of industry, World War I, World War II, the Holocaust, the Korean and Vietnam Wars, and the major events of the 21st C. This course will provide students with information to understand themes of history; illustrate how place and location can mean different things; consider how people relate to their environment and to each other; understand the effects on United States life resulting from foreign conflicts; develop an appreciation of the American Judicial System; recognize and be able to provide examples of doublespeak and euphemisms that often lessen the horrors of war; develop an understanding of the American Cultures and corresponding historical backgrounds; develop an appreciation of prominent figures past and present.

WORLD LANGUAGE

ROSETTA STONE PRESENTS LANGUAGE EXPLORATION – 56037 Grade 7 – (2 marking periods)

This course is designed to introduce students to basic vocabulary and conversational speech within a student’s choice of either Spanish and Italian language. Each language will be explored through a semester based class

SPANISH I – Grade 8

06101

Spanish I will introduce students to communication in the Spanish language. Students learn about the Spanish language, culture and people through speaking, listening, reading and writing activities. Meaningful communication of the target language is achieved through the study of Spanish grammatical structures and accuracy of expression. The culture of Spain and other Spanish-speaking nations is introduced

ITALIAN I – Grade 8

06141

Italian I will introduce students to communicate in the Italian language. Students learn basic grammatical structures of the Italian language including the cultural component. This is accomplished through speaking, listening, reading and writing activities. Meaningful communication of the target language is attained through the study of Italian grammar and the accuracy of expression. The culture of Italy and Italian customs and traditions are also introduced.

PHYSICAL EDUCATION AND HEALTH

PHYSICAL EDUCATION – GRADE 7 **08001** **HEALTH – GRADE 7** **58051**

The focus of the seventh grade physical education program is to introduce the student to a series of new opportunities to express one's self through physical activity and to promote the benefits of lifelong fitness activity. Assessment of physical fitness will take place through research, participation in a variety of physical education activities, and in pre and post- test modulations. Students will develop accountability for measuring and evaluating their own fitness levels.

PHYSICAL EDUCATION – GRADE 8 **08001** **HEALTH – GRADE 8** **58051**

The eighth grade physical education program builds upon prior learned skills and strategies that match the appropriate developmental levels of the students. The focus of this course is to foster student growth and maturity through a series of new physical activities designed to enhance self-esteem and to encourage participation in physical activity. A variety of assessments of physical fitness will take place through research, alternative assessments, and pre and post- test modulations. Students will develop accountability for measuring and evaluation their own fitness levels.

ELECTIVES

COMPUTER SKILLS 60001 Grade 7 – (marking period)

In this course students develop general computer literacy and terminology. This class infuses the fun of learning with modern technology. Microsoft Office suite of products in introduced in a variety of short term projects to include Word, Excel, and Publisher. Students learn how to use the school email as well as access from home to their accounts. Organization skills are stressed.

ROBOTICS 71009 Grade 7 (marking period)

The Middle School Robotics program utilizes the award winning Lego Mindstorms curriculum. This course follows the “STEM” (Science, Technology, Engineering & Mathematics) educational model. At the end of this course students will be able to work in project groups and utilize high level cognitive skills to solve “real life” problem through the use of the basic Lego Mindstorms programming interface, physics, mathematics and robotics engineering.

CREATIVE WRITING 51104 Grade 7 (marking period)

The creative writing class will build on the writing and language arts skills the students have acquired throughout the primary grades, while allowing the student an outlet in which to explore his own story related interests and abilities. Elementary creative writing focuses both on the writing process and the elements of the short story. This class builds on these concepts, while exploring new venues of reading and writing. All students will be given the opportunity to develop their voice by various genres of writing including short stories, poetry, and journal keeping. Skills in proof-reading, peer editing, and revising are stressed. Critical thinking skills will be enhanced through patterns of language usage and reading.

21st CENTURY MEDIA 61001 – Grade 7 – (marking period)

This course will focus on teaching students how to use databases and websites appropriately for both research and other school based assignments. Students will review the layout and workings of the Media Center. Students will learn to utilize Google docs and slides for presentations using SmartBoard technology, and other aspects of Google classroom.

CHARACTER EDUCATION 22029 Grade 7 – (marking period)

This marking period course will help students identify and develop good character, which includes knowing, caring about, and acting upon core ethical traits such as respect, responsibility, honesty, fairness, and compassion.

LIFE SKILLS 72201 Grade 8 – (marking period)

This course is designed for students to learn about various career paths: professional, technological, semi-professional, clerical and/or vocational. Students will evaluate their specific interests, skills and academic abilities through projects in self-awareness. We will discuss personality traits, interests, values, setting goals, researching careers (on and off the computer), professional behavior, first impressions, resumes and interviews.

TECHNOLOGY EDUCATION 60001 Grade 8 – (marking period)

In this course students develop general computer literacy and terminology. This class infuses the fun of learning with modern technology. Google Education suite of products is introduced in a variety of short term projects to include Docs, Sheets, Slides, Forms and Drawing. Students learn how to use the school email as well as access from home to their accounts. Organization skills are stressed.

CAREER READINESS AND EXPLORATION 72151 Grade 8 – (marking period)

An activity-oriented course designed to develop greater knowledge and understanding of career and educational opportunities and options necessary to making meaningful and informed educational choices. The 15 occupational clusters and a variety of careers within each cluster are studied in relation to an individual self-appraisal, including, but not limited to, interests including STEM based abilities and aptitude. Students will gain knowledge of how to navigate and utilize the resources in the database, Naviance.

READING/WRITING WORKSHOP Grades 7&8 (marking period)

This course consists of two parts. The Reading Workshop aims to develop critical readers, writers, and thinkers. Students are exposed to a variety of genres: drama, poetry, and contemporary and traditional texts in fiction and nonfiction. Classroom instruction emphasizes literature discussion, meaningful written response to literature, vocabulary development, and application of reading strategies. The aim of the Writing Workshop is to develop both technical and creative writers. Students will explore argumentative, informational, and narrative genres in a workshop format. Classroom instruction emphasizes the writing process; reflection; and grammar, usage, and mechanics application in writing.

ART EXPLORATION 05154 Grade 8 - (marking period)

The Art Exploration course emphasizes exploration of media, concept, skills, and techniques, as well as discovery in visual art. Students continue to develop a foundation of learning about visual art and increase appreciation through creative experiences. The course is designed to develop content knowledge and skills in technical processes, personal expression through art production, and recognition of the role and importance of art and artists in society, culture, and history. The eighth grade art program provides an environment which offers challenges to all students, builds on individual differences, and provides means by which students may express themselves and develop positive self-concepts.

CHOIR 05110 **Grade 7 & 8 – (semester)**

Students study the components and techniques of vocalization through a variety of music and arrangements in preparation for performances at school concerts during the year. Students accept the performance calendar as a condition of participation and as part of the course requirement.

BAND **05103 **7 & 8 - (semester)****

Band is open to students in grades 7 and 8 desiring a chance to learn or continuing learning a woodwind, brass, or percussion instruments. Students study and perform music with an emphasis on developing technical ability, characteristic tonality, and knowledge of phrasing. Students in Semester 1 will perform in the Holiday Concert and other activities in fall and winter. Students in Semester 2 will perform in the Spring Concert and other activities in winter and spring including Competitions and Teen Arts. Semester 1 or returning Band students are invited to perform with the Pep Band at all football games and pep rallies.

MATH SKILLS – 22001 **Grade 7 & 8 – (marking period)**

This class is designed to strengthen students' basic skills in mathematics. It will be offered in an effort to prepare students for different types of math-based assessment. Students will practice Math test-taking skills by reviewing relevant material and then answering questions in a structure that follows the standardized test that they will take taking.

ELA SKILLS –22001 **Grade 7 & 8 – (marking period)**

This class is designed to strengthen students' basic skills in English/Language Arts. It will be offered in an effort to prepare students for different types of English/Language Arts-based assessment. Students will practice English/Language Arts test-taking skills by reviewing relevant material and then answering questions in a structure that follows the standardized test that they will take taking.

HIGH SCHOOL
NJ State Minimum* Graduation Requirements by Content Area

(N.J.A.C. 6A:8-5)

Class Course and credit requirements for all students entering grade 9 in:	
LANGUAGE ARTS LITERACY	20 credits aligned to grade nine through 12 standards
MATHEMATICS	15 credits including Algebra I and Geometry or the content equivalent* and a third year of math that builds on the concepts and skills of Algebra and Geometry and prepares students for college and 21 st century careers
SCIENCE	15 credits including at least five credits in laboratory Biology/Life Science or the content equivalent**, an additional lab/inquiry-based science course including Chemistry, Environmental Science or Physics; and a third lab/inquiry-based science course
SOCIAL STUDIES	15 credits including satisfaction of N.J.S.A. 18A:35-1 and 2; five credits in World History; and the integration of civics, economics, geography and global content in all course offerings
Entrepreneurial Literacy	2.5 credits in financial, economic, business and entrepreneurial literacy.
HEALTH & PHYSICAL EDUCATION	5 credits during each year of enrollment, distributed as 150 minutes per week, as required by N.J.S.A. 18A:35-5, 7 and 8
Visual and Performing Arts (Art, Music, Theater)	5 credits
WORLD LANGUAGE	5 credits or student demonstration of proficiency
TECHNOLOGICAL LITERACY	Consistent with the Core Curriculum Content Standards, integrated throughout the curriculum
21st Century Life and Careers, or Career-Technical Education (Business, Technology)	5 credits
TOTAL CREDITS (STATE MINIMUM)	120 credits

* School districts may establish course and/or credit requirements which exceed the State minimums

COURSES REQUIRED FOR GRADUATION

In order to graduate from Wood-Ridge Jr./Sr. High School, a student must successfully receive a score of PROFICIENT in both ELA and MATH on the PARCC or through another acceptable pathway of graduation. Regardless of future plans, each student who is enrolled at Wood-Ridge High School must successfully complete the following required subjects during the four years he/she is in school, with the following minimum credits earned:

20 credits of Physical Education and Health

20 credits of English

20 credits of Mathematics (*including Algebra I, Geometry and Algebra II*)

15 credits of Social Studies (*including 1 year of World History and 2 years of US History*)

15 credits of Science (*including Physics, Chemistry and Biology*)

5 credits of Visual and Performing Arts

10 credits of World Language

5 credits of 21st Century Life and Careers/Career-Technical Education

2.5 credits of Financial, Economic, Business and Entrepreneurial Literacy
(*including Financial Literacy*)

Elective courses should be chosen from the various disciplines:

Fine Arts, Music, Business Education/Technology, Language Arts, Social Studies, World Language, Mathematics, Science, and Distance Learning

Total Credits Required: 130

* School districts may establish course and/or credit requirements which exceed the State minimums.

High School Graduation PARCC Assessment Requirements:

On August 3, 2016, the State Board of Education approved updated state regulations for the high school graduation assessments requirements in both English language arts (ELA) and mathematics for the Classes of 2019 through 2021, and beyond. These new state regulations (*N.J.A.C. 6A:8-5.1*) became effective on September 6, 2016.

The Class of 2019-

students can meet graduation assessment requirements through any of these three pathways:

- (1) Achieving passing scores on high-level PARCC assessments;
- (2) Achieving certain scores on alternative assessments such as the SAT, ACT, or Accuplacer; or
- (3) The submission by the district of a student portfolio through the Department's portfolio appeals process.

(Special Education students whose Individualized Education Plans (IEPs) specify an alternative way to demonstrate proficiencies will continue to follow the graduation requirements set forth in their IEPs.)

The Class of 2020-

students can meet graduation assessment requirements through any of these three pathways:

- (1) Pass the PARCC Algebra I and English language arts/literacy (ELA) grade 10 assessments

The following pathways are available to students after they have taken all applicable PARCC assessments for each of the courses in which they are enrolled:

- (2) Achieve scores defined in the table below on alternative assessments such as the SAT, ACT, or Accuplacer, PARCC ELA 9, ELA 11, Geometry, Algebra II; or
- (3) The submission by the district of a student portfolio through the NJDOE's portfolio appeals process.

The Class of 2021 and Beyond –

Starting with the Class of 2021, students will only have two pathways to meet the high school graduation assessments requirements:

- (1) Pass the PARCC Algebra 1 and English language arts/literacy (ELA) grade 10 assessments; or
- (2) The submission by the district of a student portfolio through the NJDOE's portfolio appeals process, assuming the student has taken all PARCC assessments associated with the high school level courses for which they were eligible* and received valid scores.

Each school year the NJDOE will determine the proficiency level needed on the assessments to meet the requirements.

ELA and Math Assessment Requirements for the Class of 2019

Three Pathways Available	English Language Arts (ELA)	Mathematics
<u>First Pathway</u> Take and Pass a PARCC Test	PARCC ELA Grade 9 \geq 750 (Level 4) or PARCC ELA Grade 10 \geq 750 (Level 4) or PARCC ELA Grade 11 \geq 725 (Level 3)	PARCC Algebra I \geq 750 (Level 4) or PARCC Geometry \geq 725 (Level 3) or PARCC Algebra II \geq 725 (Level 3)
<u>Second Pathway</u> Take and Pass one of the Alternative Assessments	SAT Critical Reading (taken before 3/1/16) or SAT Evidence-Based Reading and Writing Section (taken 3/1/16 or later) or SAT Reading Test (taken 3/1/16 or later) or ACT Reading or ACT PLAN Reading* or Accuplacer WritePlacer or Accuplacer WritePlacer ESL or PSAT10 Reading or PSAT/NMSQT Reading (taken before 10/1/15) or PSAT10 Reading or PSAT/NMSQT Reading (taken 10/1/15 or later) or ACT Aspire Reading* or ASVAB-AFQT Composite	SAT Math (taken before 3/1/16) or SAT Math Section (taken 3/1/16 or later) or SAT Math Test (taken 3/1/16 or later) or ACT or ACT PLAN MATH* or Accuplacer Elementary Algebra or PSAT10 Math or PSAT/NMSQT Math (taken before 10/1/15) or PSAT10 Math or PSAT/NMSQT Math (taken 10/1/15 or later) or ACT Aspire Math* or ASVAB-AFQT Composite
<u>Third Pathway</u> Portfolio Appeals	Meet the criteria of the NJDOE Portfolio Appeal for ELA	Meet the criteria of the NJDOE Portfolio Appeal for Math

Note: * Test is no longer administered but can be used for the graduating year

ELA and Math Assessment Requirements for the Class of 2020

Three Pathways Available	English Language Arts (ELA)	Mathematics
<u>First Pathway</u> Take and Pass a PARCC Test	Take and Pass PARCC ELA Grade 10 >=750 (Level 4)	Take and Pass PARCC Algebra I >= 750 (Level 4)
<u>Second Pathway</u> Take and Pass one of the Alternative Assessments	PARCC ELA Grade 9 >= 750 (Level 4) or PARCC ELA Grade 11 >= 725 (Level 3) or SAT Reading Test or ACT Reading or ACT PLAN Reading** or Accuplacer WritePlacer or Accuplacer WritePlacer ESL or PSAT10 Reading or PSAT/NMSQT Reading or ACT Aspire Reading** or ASVAB-AFQT Composite	PARCC Geometry >= 725 (Level 3) or PARCC Algebra II >= 725 (Level 3) or SAT Math Test or ACT or ACT PLAN Math** or Accuplacer Elementary Algebra or PSAT10 Math or PSAT/NMSQT Math or or ACT Aspire Math** or ASVAB-AFQT Composite
<u>Third Pathway</u> Portfolio Appeals	Meet the criteria of the NJDOE Portfolio Appeal for ELA	Meet the criteria of the NJDOE Portfolio Appeal for Math

Note: * Test is no longer administered but can be used for the graduating year

ELA and Math Assessment Requirements for the Class of 2021 and Beyond

Two Pathways Available	English Language Arts (ELA)	Mathematics
<u>First Pathway</u>	Take and Pass PARCC ELA Grade 10 >=750 (Level 4)	Take and Pass PARCC Algebra I >= 750 (Level 4)**
<u>Second Pathway</u>	Meet the criteria of the NJDOE Portfolio Appeal for ELA	Meet the criteria of the NJDOE Portfolio Appeal for Math

** The NJDOE is providing flexibility to meet the math assessment requirement for students in the Classes of 2020 and 2021 who completed an Algebra I course prior to the September 6, 2016 effective date of the new high school assessment regulations.

Course selection Process

Student schedules are developed in the spring and summer of each year. The process includes input from students, parents, teachers, counselors and administrators. Students are expected to honor their commitments and to attend and satisfactorily complete the courses in which they enroll during counseling conferences. Any change in the student's program will require the approval of the administration.

Requests for changes made after the building of the master schedule will be considered for educationally sound reasons according to the guidelines listed below. Students will be denied the request for change when assignment would exceed the maximum class size policy or when student enrollment drops below the Board of Education minimum. The Board of Education reserves the right to offer or not offer particular courses and/or programs depending upon enrollment and other conditions.

Scheduling Change Procedure ***During the first week of school, only those schedule changes needed to complete a schedule will be addressed.*** The following schedule change policy is designed to resolve conflicts or correct errors with student schedules and to promote an orderly beginning of the school year:

- Schedule corrections will be made on a priority basis for students without schedules.
- Students whose schedules show **major problems** (no Physical Education, no English, etc.) will be addressed next.
- If there is a need to correct an error in the schedule, e.g. a missing course, two or more courses in conflict or failure in a pre-requisite course.
- If there is a recommendation from the Child Study Team.
- If there is a recommendation from an administrator for disciplinary, attendance or instructional reasons.
- If a student is repeating a course and is assigned to the same course and teacher.
- If there is a request made by the professional staff.

Students who request schedule changes, other than those mentioned, may see their guidance counselor during the second full week of school to get advice and to complete a *Student Change Request Form*. This form will be made available during the week in the Guidance Office.

In exceptional cases, an appeal may be made to the Principal.

Student initiated schedule changes will not be considered for any of the following reasons:

- If the course content or standards differ from student expectations or the course is not needed for graduation.
- If the student does not like a given teacher or the student has a last minute preference for some other subject.
- If the student or parent wishes the student to be with friends.

All schedule changes must be completed within 15 school days from the start of the school year. Deadline for any level course changes, e.g. Honors to a CP course, will be the last day of the first marking period. All second semester course selections or changes must be completed during the first 15 school days. All schedule changes will be at the discretion of the administration.

Level Changes

Parents may waive their son/daughter into courses even though the subject area teacher and/or counselor are not in agreement. Students waived into a course must remain in that course for the entire first marking period and maintain a grade average of B+. **Note:** If the desired lower level course is filled, the student must remain in the waived class for the entire year. ***Changes from one level of a course to another level of the same course must be completed within 15 school days from the start of the school year, provided a waiver has not been submitted and signed by the parent.***

Course Drop/Add Policy

The selection of courses by students is one of the most important events in a student's high school career. It is not only important because it affects career goals but it also determines staffing and how financial resources are allocated. For these reasons, the dropping or adding of courses in a student's schedule will be considered only under extenuating circumstances. It is strongly recommended that students and parents thoroughly review required course offerings, elective course offerings, pre- and co-requisites before finalizing course selections.

DEFINITION OF COURSE LEVELS

Advanced Placement

Courses are currently offered in Biology, English, History, Chemistry, Spanish, Italian, Music Theory and Calculus, with the Advanced Placement Test given in May of each academic year. These courses follow criteria of the Advanced Placement Program. Students of very high academic ability are recommended by teachers and/or counselors, as well as through screening assessments. Students in the accelerated program typically make a natural progression to the Advanced Placement offerings. Students who successfully complete the program may be eligible for college credits or advanced placement at the college level. It is recommended that students take no more than two AP courses at the same time. Any waiver of any of the recommendations must be approved by the principal. Students who enroll are **required** to take the Advanced Placement Test and must do so at their own expense. The Board of Education will reimburse students who earn a score of 4 or 5.

Honors

Students scheduled into accelerated courses are consistently high achievers. Courses are fast-paced and more academically challenging than regular course offerings. Students who wish to continue in the Honors Program must meet established Board Policy requirements of honors placement and completion of the Honors summer assignment. A weighted GPA is awarded for successful completion of each Honors course.

College Prep (CP)

College Preparatory subjects are standard high school courses and are available in all core subject areas.

ACADEMIC REQUIREMENTS FOR HIGH SCHOOL

Minimal Credits for Promotion from Grade Level to Grade Level

The following criteria are used in determining the retention of a student at the completion of each academic year. Deficiency in academic credits as follows:

- *Less than 32.5 credits at the conclusion of grade 9.*
- *Less than 65 credits at the conclusion of grade 10.*
- *Less than 97.5 credits at the conclusion of grade 11.*

This deficiency is exclusive of credits earned in an accredited summer school or in an accredited evening school.

State/District Testing

Students in grade 12, Class of 2019, must pass through one graduation pathway to be eligible for graduation. Students who do not pass the one of these pathways will not be issued a diploma, regardless of academic achievement.

Attendance

The Board of Education, in compliance with the State, has an attendance policy which requires regular attendance in order for a student is to be awarded full credit for any course. Failure to attend class regularly may result in an automatic grade of “NC”. Wood-Ridge Jr/Sr. High School’s policy is described in detail in the Student Agenda distributed to each student in September of each year.

Excessive unexcused absence is defined as:

- 16 cumulative unexcused absences per full-year course
- 12 cumulative unexcused absences per three-quarter course
- 8 cumulative unexcused absences per semester course
- 4 cumulative unexcused absences per marking period course

The District will administer all state mandated assessments in accordance with the NJ Department of Education requirements. Student achievement rates for passing will be commensurate with state required levels of proficiency.

Community Service Requirement

All students are required to complete 40 hours of community service to be eligible for graduation

*These hours need to be accrued over four years to fulfill the graduation requirement.

Grading System

<u>Grade</u>	<u>Numerical Equivalent</u>	<u>Grade Equivalent</u>
A+	98-100	4.33
A	93-97	4.00
A-	90-92	3.67
B+	87-89	3.33
B	83-86	3.00
B-	80-82	2.67
C+	77-79	2.33
C	73-76	2.00
C-	70-72	1.67
D	65-69	1.00
F		0.00
IC	Incomplete	
P	Pass	
NC	No Credit	

	<u>Numerical Equivalent</u>	<u>Grade Equivalent</u>	<u>Grade Equivalent</u>
		<u>Honors</u>	<u>AP</u>
A+	98-100	4.83	5.33
A	93-97	4.50	5.00
A-	90-92	4.17	4.67
B+	87-89	3.83	4.33
B	83-86	3.50	4.00
B-	80-82	3.17	3.67
C+	77-79	2.83	3.33
C	73-76	2.50	3.00
C-	70-72	2.17	2.67
D	65-69	1.50	2.00
F	<65	0.00	0.00

Grade Book Calculations with Realtime

Realtime Grade Book is used by all teachers to record grades. Grades from the Grade Book are downloaded directly by the Guidance Department for grade reporting purposes. Numerical grades will be recorded in Realtime Grade Book and assessment weight will be set up for individual teacher grade books. A numerical average is calculated by Realtime as per the individual grade book setup. All classes will require mid-term and final exams. The mid-term and final exams together constitute the fifth marking period, each counting one tenth of the final grade. In semester and full year courses not requiring a mid-term and/or final exam, the marking period grades will be averaged to calculate the final grade.

Final Grade Calculation

Realtime calculates a final grade for a course by averaging all final numerical marking period averages with the mid-term and final exam numerical grades to calculate a final numerical average. Marking period final averages along with mid-term and final grades each constitute one fifth of the final average. It then converts that numerical average back to the alpha grade equivalent for reporting purposes.

HONOR ROLL

At the end of each marking period, the honor rolls shall be published according to the following criteria:

Senior High School – (Grades 9 - 12) Honor Rolls:

- a. Highest Honor Roll Requirement: a student must have a weighted Grade Point Average (GPA) of 4.20 or higher
- b. High Honor Roll Requirement: A student must have a Grade Point Average (GPA) of not less than 3.90 and no less than a A- in any course.
- c. Honor Roll Requirement: A student must have a Grade Point Average (GPA) of not less than 3.67 and no more than two (2) B's (B+, B, B-) permitted.

Junior High School (Grades 7 & 8) Honor Rolls:

- a. High Honor Roll Requirement: No less than an A- in any subject.
- b. Honor Roll Requirement: All A's and no more than two (2) B's (B+, B, B-) permitted.

National Honor Society Membership

National Honor Society Membership A cumulative weighted grade point average of 3.75 is necessary for a student to be academically eligible for membership in the National Honor Society. Induction criteria will measure a student's grades, service, leadership and character. Students with a 3.75 cumulative GPA will be notified by October of their Junior or Senior year that they are eligible to apply for NHS membership.

Junior National Honor Society Membership

All 7th and 8th grade students who have the required grades (nothing lower than a 90 for final course grades or an 88 in honors courses) will receive a letter inviting them to apply for membership. Once all applications are submitted the Faculty Council will meet to assess all applications and notify students via a letter mailed home if they were admitted to the WRJSHS NJHS or denied membership.

Valedictorian/Salutatorian Selection

The selection of the valedictorian and salutatorian is made based upon a cumulative seven-semester grade-point average. Grades from subjects taken during the ninth, tenth, eleventh and first semester of the twelfth grades will be averaged. The valedictorian of the senior class will be that student with the highest overall grade-point average. The salutatorian of the senior class will be the student with the second highest grade-point average.

Student Records/Transcripts

The Guidance Department maintains accurate academic records regarding a student's educational growth. Official transcripts are forwarded by mail to colleges, schools, and employers upon request and written permission by the parent or adult student. Students requesting to hand-carry transcripts will be provided with an **unofficial** transcript only. Please allow at least one (1) week for transcript preparation. Only Guidance Department Personnel (guidance counselors and administrative assistant) are authorized to generate transcripts. Any changes to historical grade information that would be reflected on transcripts must be authorized by the Principal in writing.

ATHLETICS
Interscholastic Sports

<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
Cheerleading	Basketball (Boys & Girls)	Baseball
Football	Bowling (Co-Ed)	Softball
Soccer (Boys & Girls)	Competition Cheerleading	Track and Field (Boys & Girls)
Volleyball (9-12)	Indoor Track (Boys & Girls)	
Volleyball (6-8)	Wrestling	

Eligibility Requirements for Wood-Ridge High School Athletics:

First Semester - To be eligible for athletic competition, a student must have passed 30 credits** during the immediate preceding school year, including summer school, to be eligible for the first semester (Fall and Winter).

**** 30 Credits for the Class of 2019 (Per N.J.S.I.A.A.)**

***Note:** *The first semester rule does not apply to incoming freshmen.*

Second Semester - As of January 31st, all students must be passing 15 credits*** from the 1st semester to be eligible for the second semester (Spring). Full year courses shall be equated as one-half to determine credits earned from the first semester.

**** 15 Credits for the Class of 2018 (Per N.J.S.I.A.A.)**

Co-Curricular Clubs & Activities

Class Council Grade 7	Chess Club (7-12)
Class Council Grade 8	Debate Team
Freshman Class Council	Environmental Club (7-12)
Sophomore Class Council	Italian Club (7-12)
Junior Class Council	Italian Honor Society
Senior Class Council	National Honor Society
JR-SR High School Student Council (7-12)	Junior National Honor Society
Art Club (7 -12)	School Play/Musical (7-12)
Audio-Visual	STEM/Robotics (7-12)
Band (7-12)	Teen Institute (7-12)
Chorus (7-12)	Heroes and Cool Kids (7-12)
	Yearbook (7-12)

Traditions, Colors & Alma Mater

“*Blue Devils*” is the school nickname. The colors of Wood-Ridge High School are blue and white. Traditionally, students wear clothing or emblems with blue and white on game days and to the games.

Alma Mater

To thee our Alma Mater
We sing our praises true.
Your loyal sons and daughters
Will uphold the white and blue.
The memories we will cherish
Though we may drift apart.
Our thoughts will always linger here
In dear old Wood-Ridge High

Course Offerings Grades 9-12

*** Please note: this is a 2 year projection of course offerings***

LANGUAGE ARTS

The English curriculum provides a foundation in each of the language arts. Courses in Grades 9, 10, 11, and 12 survey World, American, British and Contemporary/Classical Literature respectively. Elective courses are offered in the areas of creative writing and photojournalism/publishing meet the varied interests of students. **Summer reading assignments prior to entering all grade level courses are mandatory.**

ENGLISH I 01001 9 5 credits

Pre-Requisite: *Successful completion of Grade 8 English*

The Language Arts curriculum for the ninth grade student is designed to enhance the English skills of composition, grammar, literature and vocabulary. The curriculum is designed to ensure that students read classical and modern literature and to be an introduction to various genres of literature with an emphasis on World Literature. The use of a variety of technologies in research activities is integrated throughout the curriculum. Students are required to complete a research paper.

ENGLISH I HONORS 01001H 9 5 credits

Pre-Requisite: *Score of 7+ on the district Honors rubric*

The Language Arts curriculum for the ninth grade honors course is designed to complete additional readings, literary analysis and writing. Admission to this course requires the completion of a summer assignment as determined by the English Department. The honors curriculum is designed to ensure that students read classical and modern literature and to be an introduction to various genres of literature with an emphasis on World Literature. The use of a variety of technologies in research activities is integrated throughout the curriculum. Students are required to complete a research paper.

ENGLISH II 01002 10 5 credits

Pre-Requisite: *Successful completion of English I OR English I Honors*

Students engage in a review of the fundamentals of writing effectively and refine their skills through practices of written compositions. This course of study serves as the foundation of American Literature, tracing the origins and growth of various pieces of literature and examining common themes, determining author's intent, theme and intended message. Students are required to complete a research paper.

ENGLISH II HONORS 01002H 10 5 credits

Pre-Requisite: *Score of 7+ on the district Honors rubric*

English II Honors expands upon the skills introduced in English I Honors and serves as the foundation of American literature. Students will engage in various modes of writing with emphasis on prose writing, including analytical essays and critical analyses. The students engage in outside research and read supplementary novels and plays. Students must complete a research paper as a requirement of this course. A summer assignment, as determined by the English Department, must be completed prior to entering this course.

ENGLISH III 01054 11 5 credits

Pre-Requisite: *Successful completion of English II OR English II Honors*

The English III course expands upon the skills introduced the preceding school year. Students will engage in various modes of writing with continued emphasis on exposition and style. This course will survey major works of American Literature, both fiction and nonfiction. Students must complete a research paper.

ENGLISH III HONORS 01054H 11 5 credits

Pre-Requisite: *Score of 9+ on the district Honors rubric*

The English III Honors course expands upon the skills introduced in Honors English II. Students will engage in various modes of writing with emphasis on prose writing, including analytical essays and critical analyses. The students engage in outside research and read supplementary novels and plays. Students must complete a research paper as a requirement of this course. A summer assignment, as determined by the English Department, must be completed prior to entering this course.

AP LANGUAGE & COMPOSITION 11 5 credits

Pre-Requisite: *Score of 8+ on the district AP rubric*

An AP English Language and Composition course guides students in becoming curious, critical, and responsible readers of diverse texts, and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course will deepen and expand their understanding of how written language functions theoretically: to communicate writer's' intentions and elicit readers' responses in particular situation. The course cultivates the rhetorical understanding and use of written language by directing students' attention to writer/reader interactions in their reading and writing of various formal and informal genres.

ENGLISH IV 01056 12 5 credits

Pre-Requisite: *Successful completion of English III OR English III Honors*

English IV focuses on the literary contributions of British writers from Beowulf and the Anglo-Saxon Period to the present. In this course, students learn to construct meaning from fiction (poetry, prose, journal entries and other genre) and non-fiction (technical resources). Course activities require study and research skills, analysis of college preparation vocabulary, writing as a process and the development of reading response logs. Writing assignments will develop students' written expression and language skills through the writing process. Students must complete a research paper as a requirement of this course. The use of a variety of technology in research activities is integrated throughout the curriculum.

ENGLISH IV HONORS 01056H 12 5 credits

Pre-Requisite: *Score of 9+ on the district Honors rubric*

English IV Honors focuses on the literary contributions of British writers, including Shakespeare. In this rigorous course, students learn to construct meaning from fiction (poetry, prose, journal entries and other genre) and non-fiction (technical sources) and analyze abstract elements of literature. Course activities require in-depth study and research skills, analysis of college preparation vocabulary, writing as a process and the development of reading response logs. Speaking, listening, and media literacy skills are incorporated through class discussions, oral presentations and multimedia projects.

AP ENGLISH LITERATURE 01006 12 5 credits

Pre-Requisite: *Score of 8+ on the district AP rubric*

This course is recommended for students who desire to pursue college-level studies in high school. Students prepare for the AP test and survey major British works (mostly chronologically). Prior to entering the course in September, students must complete a department-approved summer essay assignment. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

ESL I & II– *English as a Second Language* 01008 9-12 5 credits

The English as a Second Language program provides non-English speaking students with the opportunity to develop the communication skills needed to develop proficiency in each area of language arts. Additionally, academic support is offered to students to assist in their acclimation to their mainstream subjects. A district approved standardized test is administered upon entry and twice yearly to monitor each student's individual progress.

ACCUPLACER ELA PREP 22001 9-12 2.5 Credits

This class will be offered in an effort to prepare them for the Accuplacer Assessment. Students will practice English test-taking skills by reviewing relevant material and then answering questions in a structure that follows the standardized test that they will take taking.

CREATIVE WRITING 51104 10-12 2.5 Credits

This course is designed for students who wish to use their imagination and creativity to explore creative writing. Students will examine samples of professional writing and use prompts to develop creative ideas. In addition, students will collaborate and share insights into selected themes.

PHOTOJOURNALISM/PUBLISHING 11102 10-12 2.5 Credits

Pre-Requisite: *Successful completion of English I or English I H*

Students will investigate recent and historical photographs and engage in writing activities based on their findings. Students will explore various techniques for reading, writing, and creating stories from these documents. A major project is required.

CONTEMPORARY ISSUES IN LITERATURE 01058 10-12 2.5 Credits

This course is a study of how post-1950s literature from around the world, such as North and South America, Europe and Great Britain, the Middle East, and postcolonial Africa and Asia, addresses contemporary issues. Students examine multiple genres. Writing assignments will consist of responses to literature, literary analysis essays, and creative interpretations of novels studied.

SHAKESPEARE & DRAMA 01060 10-12 2.5 Credits

This course provides students with the opportunity to study a variety of Shakespeare's tragedies, comedies, romances, and histories in addition to selected sonnets. Additionally, the history of theatre will be studied and students will be required to perform Shakespearean scenes. There will be an emphasis on reading, discussion, and students will formally and informally present their knowledge and ideas through various writings.

INTRO TO MASS MEDIA 61056 10-12 2.5 Credits

This introductory course explores pre-production, production, and post-production in the wide and varied fields of mass media. The three major media studied are creative writing, video, and television. Students develop writing, verbal, and directing skills through the use of computers, video editing, group work, and live and location camera shooting as they produce works in each of the major areas of study.

EXPERIENCING THE CLASSICS 01053 10-12 2.5 Credits

Experiencing the Classics is a semester elective course in which students read, view, discuss, critique, and write about classic works of literature (primarily novels and plays) that are vital to developing their cultural literacy and readiness for college and life. Works studied in this class include Hamlet, Pride & Prejudice, The Scarlet Letter, The Great Gatsby, and additional works students may choose themselves.

SOCIAL STUDIES

The State of New Jersey requires one year of World History and Cultures and two years of United States History. The Social Studies curriculum includes a variety of electives which are designed to provide students with the opportunity to pursue further knowledge and skills which correspond to specialized Social Studies fields.

WORLD HISTORY 04051 9 5 Credits

Pre-Requisite: *Successful completion of Grade 8 Social Studies*

The World History course chronicles the significant events and issues of civilization from the Age of Global Encounters (1400-1750) to the Modern World Era (1945-present). This course links the past and the present through the exploration of key historical themes. Students employ prior learning to enhance in-depth discussion of past civilizations and their crucial role in the development of our own diverse society and culture. Writing, speaking and listening skills, and interpretation of written documents are integrated through class discussions and oral presentations.

WORLD HISTORY HONORS 04051H 9 5 Credits

Pre-Requisite: *Score of 7+ on the district Honors rubric*

The World History Honors course is a rigorous course which explores the significant events and issues of civilization from the Age of Global Encounters (1400-1750) to the Modern World Era (1945-present). Students acquire the strategies necessary to gather, analyze and comprehend information and use critical-thinking, decision-making and problem-solving skills to formulate conclusive opinions. The study of geography and interdisciplinary connections relate history to the arts, economics and science enabling students to grasp the interrelationship between and among them. The use of a variety of technologies is integrated throughout the curriculum.

U.S. HISTORY I 04101 10 5 Credits

Pre-Requisite: *Successful completion of World History or World History Honors*

The U.S. History I curriculum chronicles the development of the United States, from Reconstruction through to World War II. The course examines the advancement of the United States at the turn of the 20th Century and the profound effect of the boisterous beginning of the 1900s. The objectives and competencies include history, geography, economics, civics, science and the arts from a diverse perspective, enabling students to grasp the interrelationship between and among them.

U.S. HISTORY I HONORS 04101H 10 5 Credits

Pre-Requisite: *Score of 7+ on the district Honors rubric*

The U.S. History I Honors course is a rigorous curriculum designed to challenge students and to help prepare them to pursue AP social studies courses. The focus of this course is centered on United States History from Reconstruction through World War II. Honors students will be expected to complete research papers and analyze outside readings and primary source documents

U.S. HISTORY II 04101 11 5 Credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of U.S. History I or U.S. History I Honors*

U.S. History II chronicles the development of United States history and culture from the Cold War to the present. The course builds upon prior learning from U.S. History I and examines the United States struggle to understand its new role in the ever-changing world both domestically and abroad.

U.S. HISTORY II HONORS 04101H 11 5 Credits

FDU Middle College Credit

Pre-Requisite: *Score of 9+ on the district Honors rubric*

U.S. History II Honors offers students the opportunity to study the significant events and developments from the Cold War through the present in greater depth. Students will be assigned supplemental readings in order to compare, contrast and evaluate the interpretations of various historians. Assignments will be comprehensive. The ability to analyze and synthesize historical material is essential. A research paper is required; therefore, reference skills and critical-thinking are stressed. Emphasis will be placed on the political, economic and social action that impact on American History.

AP UNITED STATES HISTORY 04104 11 5 Credits

Pre-Requisite: *Score of 8+ on the district AP rubric*

AP History examines the history of the United States from the closing of the nineteenth century to present day. Particular emphasis is placed upon the political institutions and behavior, social and economic change, diplomacy and international relations and cultural and intellectual developments. Instruction requires students to use higher-order cognitive skills and integrate computer technology and Internet research. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

AP UNITED STATES GOVERNMENT 04159 10-12 5 Credits

Pre-Requisite: *Score of 8+ on the district AP rubric*

AP Government is divided into six segments. The first, Constitutional Underpinnings of the US Government, is an overview of the form and function of the Constitution, including its historic foundations, ideological and philosophical traditions. The second, Political Beliefs and Behaviors, examines political socialization and applications in the US. Third, Political Parties, Interest Groups and Mass Media, explores the influence of political institutions and American participation in those groups. The fourth topic, Institutions of National Government, studies the concept of federalism and separation of powers. Fifth, Public Policy, gives an overview of the interactions between all of the players in the US Government, including the end product of those interactions. Finally, and perhaps most importantly, Civil Rights and Civil Liberties, examines the Constitution in practice, the courts and the evolution of civic life in the US. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

PUBLIC SPEAKING 01151 9-12 2.5 Credits

FDU Middle College Credit

This course is designed to teach the basics of communicating in a clear and concise manner. The goal is to make students more effective speakers and gain confidence and experience speaking in front to groups. Students are required to make oral presentations, research topics, and use expository & creative writing to develop speeches or debates.

THE 1960s 04109 10-12 2.5 Credits

FDU Middle College Credit

This course focuses on political, social and economic forces that made the 1960s one of the most turbulent decades in our nation's history. The Civil Rights Movement, the Kennedy Era, the emergence of a pop culture and the space program are some of the topics covered in this detailed course.

UNSOLVED MYSTERIES IN HISTORY 04062 10-12 2.5 Credits

This course will focus on investigating some of the most mystifying events in history through the use of primary sources, conflicting viewpoints, and historical detection. Students will span through thousands of years and search the world's greatest unsolved mysteries to speculate on what might have happened. Topics will range from events and themes in ancient civilization such as the history of the Knights Templar, the true discoverer of the Americas,

and the Shroud of Turin. The course concludes with contemporary issues such as the identity of Jack the Ripper, the disappearance of Jimmy Hoffa, and the assassination of John F. Kennedy.

WOMEN IN HISTORY 04108 10-12 2.5 Credits

This semester course examines the role women played in key events throughout American history. What were women's lives like before the arrival of European settlers, during the colonial period, during the 19th century? In this course, you will enhance your knowledge of women's roles throughout American history and explore how primary sources reveal and conceal women's history using multimedia resources.

LAW 04162 11-12 2.5 Credits

Law is an elective course that provides an understanding of our criminal and civil legal systems. The Amendments and the court system are emphasized in the criminal section. Tort law and contract law are featured in the civil system.

SOCIOLOGY 04258 11-12 2.5 Credits

This course covers the basic principles of Sociology. Topics include culture, social structure, socialization, social interaction, groups and social change. It also includes units about social class, racial and ethnic relations and gender. Emphasis is placed on the analysis of current social problems such as peer pressure, racism, divorce, deviant behavior and crime. This course by its nature requires student participation in a wide range of activities such as discussion, simulations, and experiments.

CURRENT ISSUES 04106 11-12 2.5 Credits

Emphasis in this elective course will center on America as a dynamic society, witnessing changes involving community, state, nation and world. Some of the pressing problems facing a rapidly changing technological society will be examined. These changes will be studied through the use of various news media. Students will cover various economic, political, social and cultural problems as they arise in the news.

MATHEMATICS

The Mathematics program offers a wide variety of courses to allow students to improve skills and achieve to their ability level. For advanced students, advanced placement courses offer an opportunity to pursue college-level work.

ALGEBRA I 02052 9-10 5 Credits

The course begins with an introduction to variables and numerical operations and builds upon prior learning of math skills, examining different methods of solving a system of equations. Additional topics addressed in the course are: properties of sets of real numbers, graphing on a coordinate plane, slope, equations of lines, solving linear equations and inequalities, similarity, polynomials and their operations, probability, laws of exponents and algebraic problem solving.

A TI-83+ or better graphing calculator is required

ALGEBRA I HONORS 02052 9 5 Credits

Pre-requisite: *Successful completion of Math 8 or Pre-Algebra and a score of 7+ on the district rubric*

The course begins with an introduction to variables and numerical operations and builds upon prior learning of math skills, examining different methods of solving a system of equations. Additional topics addressed in the course are: properties of sets of real numbers, graphing on a coordinate plane, slope, equations of lines, solving linear equations and inequalities, similarity, polynomials and their operations, probability, laws of exponents and algebraic problem solving.

A TI-83+ or better graphing calculator is required

GEOMETRY 02072 9-11 5 Credits

Pre-Requisite: *Successful completion of Algebra I*

Students are introduced to a variety of precisely-stated vocabulary including basic definitions, theorems and postulates and incorporate such vocabulary into problem-solving. Other units including types of geometries, conditional statements, congruence, similarity, parallelism, perpendicularity, graphing angles, quadrilaterals, triangles, polygons, circles and three-dimensional solids and surfaces.

A TI-83+ or better graphing calculator is required

GEOMETRY HONORS 02072H 9-10 5 credits

Pre-Requisite: *Successful completion of Algebra I and a score of 7+ on the district Honor rubric*

Geometry Honors is a rigorous program designed to meet the needs of highly self-motivated students who accelerate in mathematics. It is expected that students have the goal of taking four years of mathematics. The honors geometry course introduces students to a more in-depth look at planes, three-dimensional objects and similarity. Emphasis in this course is on writing, critical-thinking, problem-solving and participation in cooperative activities.

ALGEBRA II 02056 10-12 5 credits

Pre-Requisite: *Successful completion of Geometry*

Algebra II is designed for college-preparatory students who have successfully completed Geometry. It incorporates the concepts previously learned in Algebra I with several new concepts including functions, domain, range, variation and systems of equations, matrices, inverses, logarithms, quadratic equations and polynomials.

ALGEBRA IIIH 02056H 10-12 5 credits

Pre-Requisite: *Score of 7+ on the district Honors rubric*

Algebra II Honors is the second course in the honors level mathematics program. It is designed to meet the needs of the students who have accelerated in mathematics through an in-depth instructional approach. Topics covered in the course include, but are not limited to, functions, solving and graphing linear, polynomial, quadratic and variation equations, lines, slope, matrices, real and imaginary number systems, mathematical modeling, exponents, logarithms and trigonometry.

PRE-CALCULUS 02110E 11-12 5 credits

Pre-Requisite: *Successful completion of Algebra II*

Pre-Calculus is an introduction to Calculus and an advanced continuation of Algebra II. This course will provide the student with the tools necessary that are, at minimum, equivalent to a college-level course in Precalculus. The student will learn such topics as phase shifting, trigonometric functions, a more in-depth look at logarithms, the principles and fundamentals of limits and derivatives, most graphs of two-dimensional functions and an extensive look at trigonometric identities. This course will prepare the student for Calculus at a university/college level.

PRE-CALCULUS HONORS 02110H 11-12 5 credits

Pre-Requisite: *Score of 9+ on the district Honors rubric*

Pre-Calculus Honors focuses on a variety of upper level mathematical concepts including types of functions, domain and range of functions, graphs of functions, behavior of functions, transformations, trigonometry and conic sections. Students are expected to utilize analytical skills to inquire and form conclusions in both an independent and collaborative work setting.

CALCULUS 02021E 12 5 credits

Pre-Requisite: *Successful completion of Pre-Calculus*

This introduction to the study of Calculus emphasizes the concepts of limits, derivatives as slopes and anti-derivatives. Students will learn such topics as advances graphing with limits, differentiations, exponential and logarithmic functions, integration, volume, Taylor polynomials, and Three-dimensional space. Particular attention will be paid to real world problems.

AP CALCULUS 02024 12 5 credits

Pre-Requisite: *Successful completion of Pre-Calculus and score of 8+ on the district AP rubric*

The curriculum for AP Calculus is based on the recommendations laid out by The College Board and developed by the participating colleges and universities. The work completed is the equivalent of a full semester of college Calculus and is intended to be challenging and demanding. Broad concepts and widely applicable methods are emphasized. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

COLLEGE MATH 02002 12 5 credits

Pre-Requisite: *Successful completion of Algebra II*

The course will focus on the concepts taught in previous Mathematics courses. The course will be heavily reliant on the student's commitment to practicing in school and at home, as well as the students desire to ask questions and clarify any and all problems while in class and after school. The goal of this course is to help each student achieve a level that will enable the student to pass a college algebra placement test.

STATISTICS 02201 11-12 2.5 credits

Pre-Requisite: *Successful completion of Algebra I*

In this course, students will be introduced to the major concepts of probability, interpretation of data, and statistical problem solving. Students will learn the course concepts through hands-on experimentation and investigation. They will analyze existing data as well as data collection, and methods of determining probability. Students will use multiple representations to present data including written descriptions, numerical statistics, formulas and graphs.

AP STATISTICS 02201 11-12 2.5 credits

Pre-Requisite: *Successful completion of Algebra I and a score of 8+ on the district AP rubric*

AP Statistics introduces students to the concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns 2. Sampling and Experimentation: Planning and conducting a study 3. Anticipating Patterns: Exploring random phenomena using probability and simulation 4. Statistical Inference: Estimating population parameters and testing hypotheses. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

AP COMPUTER SCIENCE PRINCIPLES 99568 9-12 5 credits

Pre-Requisite: *Successful completion of Algebra I and a score of 8+ on the district AP rubric*

AP Computer Science Principles is a computer science course designed to give students foundational computing skills, and an understanding of the real-world impact of computer programming and innovations. The goal of this course is to increase student interest in computer science as well as other STEM fields. This course will prepare students for success in computer science and focus on the fundamentals of computing, including problem-solving, large-scale data, the Internet, and cybersecurity. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

AP COMPUTER SCIENCE A 10157 11-12 5 credits

Pre-Requisite: *Successful completion of Algebra I with recommended courses of Algebra II and AP Computer Science Principles.*

Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction.

ACCOUNTING 12104 11-12 5 credits

Pre-Requisite: *Successful completion of Algebra I and Financial Literacy*

Students will explore the steps in the accounting cycle. Analyzing business transactions, understanding the rules for debit and credit, and journalizing entries are the main focus of the course. Students prepare documents for record keeping and learn how financial reports and statistics are used to make managerial decisions. Use of Excel is integrated into the class to stress the use of digital record keeping and calculation of information. Upon completion of the course students will gain a broad knowledge of how a business operates from a financial aspect. Successful accounting students will improve their attention to detail, organization skills, and problem solving ability.

BUSINESS MATH 02154 11- 12 5 credits

FDU Middle College Credit

Business math reinforces general math topics (e.g., arithmetic, measurement, statistics, ratio and proportion, exponents, formulas, and simple equation) by applying these skills to business problems and situations;

applications might include wages, hourly rates, payroll deductions, sales, receipts, accounts payable and receivable, financial reports, discounts, and interest.

ACCUPLACER MATH PREP

22002 12 2.5 credits

This class will be offered s in an effort to prepare them for the ACCUPLACER Assessment. Students will practice Math test-taking skills by reviewing relevant material and then answering questions in a structure that follows the standardized test that they will take taking.

SCIENCE

The science department offers a wide range of courses that provides students with the opportunity to become scientifically and technologically literate.

PHYSICS **03151** **9 , 11-12** **5 credits**

FDU Middle College Credit

The curriculum focuses on physical science emphasizing student understanding of the world and the universe. Classical physics and modern physics are covered with humanistic aspects of science showing relationships of individuals and science. Modern physics examines the study areas of mechanics, electricity and magnetism, light, atomic and nuclear physics and electronics. A solid foundation of math and graphing skills is necessary for the student to grasp the scientific laws and problems involved in this course.

PHYSICS HONORS **03151H** **9, 11-12** **5 credits**

FDU Middle College Credit

Pre-Requisite: *Score of 7+ on the district Honors rubric*

Co-Requisite: *Placement in Geometry or above*

The curriculum focuses on Quantitative Physics emphasizing student understanding of the world and the universe. Classical Physics and Modern Physics are covered with humanistic aspects of science showing relationships of individuals and science. Modern Physics examines the study areas of mechanics, electricity and magnetism, light atomic and nuclear physics, electronics, general relativity and quantum mechanics. Advanced Math & Graphing skills are required for students to apply the scientific laws and solve problems involved in this course.

AP PHYSICS (LAB) **03155** **11-12** **6 credits**

Pre-Requisite: *Successful completion of both Algebra I and Physics as well as score of 8+ on the district AP rubric*

AP Physics is designed by the College Board to parallel college-level physics courses that provide a systematic introduction to the main principles and emphasize solving without calculus. Course content includes mechanics, electricity and magnetism, modern physics, wave optics, and kinetic theory and thermodynamics. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

CHEMISTRY **03101** **10** **5 credits**

Pre-Requisite: *Successful completion of Physics and Algebra I*

This is a college preparatory course designed to acquaint students with the fundamentals of chemistry. The structure of the atom, the dynamics of chemical reactions, energy, the phases of matter, ionics, co-valents and organic functional groups are discussed. Quantitative relationships are emphasized. Laboratory experience is an integral part of the course.

CHEMISTRY HONORS **03101H** **10** **5 credits**

Pre-Requisite: *Successful completion of Physics or Physics Honors and a score of 7+ on the district Honors rubric*

This course is a college preparatory course that is designed for students with strong Mathematics and Science backgrounds. All topics covered in the College Prep Chemistry course are covered in more depth and with greater rigor. Additional topics not covered in Chemistry are presented as well.

AP CHEMISTRY (LAB) 03106 11-12 6 credits

Pre-Requisite: *Successful completion of Chemistry and a score of 7+ on the district AP rubric*

Co-Requisite: *Algebra II or higher level math course*

Complete with laboratory, this course is intended for students who plan to pursue in college a science-oriented program and who are interested, while still in high school, in gaining insight into the pace and depth of coverage of a college-level chemistry course. Major topics include solution concepts, physical states of matter, atomic theory, chemical reactions and stoichiometry, thermochemistry, reaction kinetics, acid-base chemistry, redox and descriptive chemistry. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

BIOLOGY 03051 11 5 credits

Pre-Requisite: *Successful completion of Algebra I and Chemistry*

Topics of study included are biochemistry, cells, photosynthesis, cellular respiration, DNA and genetics, Earth's early processes, ecology and human systems. Students will investigate the biochemical basis of life and how living and non-living factors work together in ecosystems. In addition to traditional classroom practices, technology-based projects will be incorporated to enhance the student's ability to process and display information in a variety of presentation formats. Students must take the NJBCT exam upon completion of the course.

BIOLOGY HONORS 03051H 11 5 credits

Pre-Requisite: *Successful completion of Algebra I and Chemistry or Chemistry Honors and a score of 9+ on the district Honors rubric*

This course is separated into four major areas: molecules and cells, genetics and inheritance, kingdom diversity and human biology. Students will be expected to approach scientific investigations on a rigorous level and produce in-depth laboratory reports, as well as long-term projects in each of the four major areas. Students must take the NJBCT exam upon completion of the course.

AP BIOLOGY (LAB) 03056 12 6 credits

Pre-Requisite: *Successful completion of Biology or Biology Honors and a co-requisite of Algebra II or higher mathematics course. A score of 8+ on the district AP rubric also required.*

Co-Requisite: *Algebra II or higher level math course and successful completion of biology*

Advanced Placement Biology is a college-level course offered as part of the high school curriculum for those students with strong interests in Biology and/or Science. A wide range of topics will be studied with considerable independent work in addition to the organized class work. Students are expected to have competency in Biology, Chemistry and Mathematics. Emphasis will also be placed on laboratory experiences. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

ZOOLOGY 03061 10-12 2.5 credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of Biology/ Biology Honors*

This course examines the diversity of the animal kingdom, focusing on the major groups of invertebrates and vertebrates. Students will study these animals in an evolutionary context that emphasizes ecology, life history, and morphology. The course will feature research-based projects as well as a lab component featuring dissections of invertebrates and vertebrates.

ASTRONOMY 03004 10-12 2.5 credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of Physics/Physics Honors*

This course is designed as an investigation into the world “beyond” our earth. Topics of study will include: the moon, moon-earth relationships, the solar system, stars, galaxies and the universe. Special emphasis will be placed on the development of ideas from a historical perspective. An independent research project will be required.

BOTANY 03058 10-12 2.5 credits

Pre-Requisite: *Successful completion of Biology/Biology Honors*

Botany is a semester course offered through the science department that studies plants. Students will be learning the structure, function, growth, reproduction, life cycles, and classification of plants. The course will include nonvascular, seedless vascular and seeded vascular plants.

NATURAL DISASTERS 53158 10-12 2.5 credits

In the semester elective Natural Disasters, students briefly explore various categories of natural disasters. They learn the scientific concepts underlying the cause and the general effects of each disaster, as well as locations in the U.S. and around the world where each type of disaster is most likely to strike. The students will complete activities to demonstrate both the scientific concepts and methods of measuring and tracking the process.

MEDICAL TERMINOLOGY 14154 11-12 5 credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of Biology/Biology Honors*

This course provides an introduction to the basic structure of medical words, including prefixes, suffixes, roots, combining forms and the formation of plurals. Emphasis is placed on the correct pronunciation, spelling and definition of medical terms, allowing the students to build a professional vocabulary for working in the medical field.

ENGINEERING THE FUTURE (STEM) 21003 11-12 5 credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of Physics, Chemistry, Algebra I and Geometry; Co-Enrollment in Biology is strongly encouraged*

Engineering The Future is designed to provide students with the skills necessary to program, build and operate automated machines and robotic devices. The history and current trends of automation and robotics is addressed. Application to industry, home and our daily lives will be investigated. Students will assess, build and test various automation and robotic devices employing electronics and electromechanical technology. Hands-on assembly and operation are encouraged.

ANATOMY/PHYSIOLOGY 03053 11-12 5 credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of Biology/Biology Honors*

This elective is designed for the student who wishes to pursue a basic understanding of the human body. This course will be divided into four areas: organization of the human body, chemistry of life, body tissues and membranes, and systems of the human body. Students will be given the opportunity to explore anatomy and physiology through diagrams, microscopes, coloring activities, interactive anatomy software, textbooks and videos.

BIOTECHNOLOGY 03062 11-12 2.5 credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of Biology/Biology Honors*

Students taking this course must have strong reading comprehension skills and have exhibited competency in biology. This academic course examines a comprehensive set of topics relating to ecology and the student's place in the natural world. Students will be exposed to the mechanisms that drive ecological communities, human uses of natural resources and the problems in the natural world caused by human activities as well as looking for solutions to solve these problems. The curriculum will center on laboratory and field activities as well as current environmental issues. This course features lab experiments, data analysis and independent research-based projects.

FORENSICS 03108 11-12 5 credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of Biology/Biology Honors and Chemistry/Chemistry Honors*

This course provides an introduction to understanding the science behind crime detection. Topics covered in the course include blood analysis, organic and inorganic evidence analysis, microscopic investigations, hair analysis, DNA, drug chemistry and toxicology, fiber comparisons, paint, glass compositions and fragmentation, fingerprints, soil comparisons and arson investigations, among others. Laboratory exercises include techniques commonly employed in forensic investigations.

GENETICS 03059 11-12 2.5 credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of Biology/Biology Honors and Chemistry/Chemistry Honors*

This course is designed for students who have previously studied biology and chemistry and are interested in learning more about recent developments in molecular biology, genetic engineering and DNA technology. Students explore how DNA works and how scientists can alter DNA for medical and agricultural applications. Topics include: RNA, DNA and protein synthesis, the "meaning" of the DNA sequence, gene regulation, DNA and RNA viruses, AIDS, current genetic engineering techniques, cancer and the genetics of the immune system.

WORLD LANGUAGES

The World Language Department offers students a variety of courses ranging from beginning to Advanced Placement Spanish and Italian. The Wood-Ridge Board of Education requires all students to successfully complete ten credits in the World Languages for graduation. Students who plan to attend competitive colleges or universities are encouraged to take a minimum of two to three years of the same language. However, it is highly advisable to encourage students to continue their studies to AP. Achieving this level is looked favorably by selective Universities/Colleges.

ITALIAN I 06141 9-12 5 Credits

Italian I will introduce students to communicate in the Italian language. Students learn basic grammatical structures of the Italian language including the cultural component. This is accomplished through speaking, listening, reading and writing activities. Meaningful communication of the target language is attained through the study of Italian grammar and the accuracy of expression. The culture of Italy and Italian customs and traditions are also introduced.

SPANISH I 06101 9-12 5 Credits

Spanish I will introduce students to communication in the Spanish language. Students learn about the Spanish language, culture and people through speaking, listening, reading and writing activities. Meaningful communication of the target language is achieved through the study of Spanish grammatical structures and accuracy of expression. The culture of Spain and other Spanish-speaking nations is introduced

ITALIAN II 06142 9-12 5 Credits

Pre-Requisite: *Successful completion of Italian I*

Italian II continues to build upon the grammar and vocabulary that was learned in Italian I. Students will continue to learn advanced grammatical structures. A higher level of proficient is expected through various speaking, listening, reading and writing activities. Meaningful communication of the target language is achieved through the study of Italian grammar and the accuracy of expression. The four basic skills of listening, speaking, reading and writing continue to be reinforced. The culture of Italy and Italian customs and tradition are also discussed in greater detail.

SPANISH II 06102 9-12 5 Credits

Pre-Requisite: *Successful completion of Spanish I*

This course builds upon the skills and vocabulary established in Spanish I. Vocabulary is expanded and greater use of the target language in classroom conversation and discussion is emphasized. Grammar and the ability to use it correctly are carried forward from Spanish I, and a higher degree of accuracy is expected in spoken and written work. Meaningful communication of the target language is achieved through the study of Spanish grammatical structures and accuracy of expression. The four basic skills of listening, speaking, reading and writing continue to be reinforced. The culture of Spain and other Spanish-speaking nations continues to be explored.

ITALIAN III 06143 10-12 5 Credits

Pre-Requisite: *Successful completion of Italian II*

The Italian III course of study continues to build upon the grammar and vocabulary that was learned in Italian II. Students will learn more sophisticated grammatical structures and greater use of the target language. Classroom conversation and discussion is emphasized. This is accomplished through speaking, listening, reading and writing activities. A higher degree of accuracy is expected in both spoken and written work in Italian III.

SPANISH III **06103** **10-12** **5 Credits**

Pre-Requisite: *Successful completion of Spanish II*

This course builds upon the skills and vocabulary established in Spanish II. Spanish III vocabulary is expanded and greater use of the target language in classroom conversation and discussion is emphasized. Grammar and the ability to use it correctly are carried forward from Spanish II, and a higher degree of accuracy is expected in spoken and written work. Meaningful communication of the target language is achieved through the study of Spanish grammatical structures and accuracy of expression. The four basic skills of listening, speaking, reading and writing continue to be reinforced. Students will be further exposed to the culture of Spain and other Spanish-speaking nations.

ITALIAN IV **06144** **11-12** **5 Credits**

Pre-Requisite: *Successful completion of Italian III*

The Italian IV course is designed to build upon the skills already acquired in Italian III. At this level, students are asked to communicate using more complex language. Students will begin to understand and convey information about, art, history, current affairs and civilization with an emphasis on significant people and events in these areas. Students will continue to use and understand connected sentences and short paragraphs when speaking, reading and writing. Students will continue to develop cross-cultural appreciation by learning the values and products of the Italian culture.

ITALIAN IV HONORS **06144** **11-12** **5 Credits**

Pre-Requisite: *Successful completion of Italian III*

SPANISH IV **06104** **11-12** **5 Credits**

Pre-Requisite: *Successful completion of Spanish III*

This course builds upon the skills, vocabulary and reading established in Spanish III. Vocabulary is expanded and predominant use of the target language in classroom conversation and discussion is stressed. The four basic skills of listening, speaking, reading and writing continue to be reinforced with emphasis upon speaking, reading, and writing with a higher degree of accuracy. Students continue to be exposed to the culture of Spain and other Spanish-speaking nations.

SPANISH IV HONORS **06104** **11-12** **5 Credits**

Pre-Requisite: *Successful completion of Spanish III*

AP ITALIAN **12** **5 Credits**

Pre-Requisite: *Successful completion of Italian IV or teacher recommendation and a score of 8+ on the district AP rubric*

Extensive practice in the organization and writing of compositions with discussion in the Italian language is emphasized. A multi-media approach (films, tapes, recordings, periodicals, and literary works) will be used. The course follows the College Board course guidelines. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

AP SPANISH **06112** **12** **5 Credits**

Pre-Requisite: *Successful completion of Spanish IV or teacher recommendation and a score of 8+ on the district AP rubric*

The emphasis of this course will be in the area of the ongoing development of speaking and listening skills in conjunction with further improvement of the students' ability to read and write the world language with greater facility and accuracy. Presentation of advanced syntax to improve stylistics is also addressed. Students will continue their exploration of the culture of Spain and other Spanish-speaking nations. **Students enrolling in this course are required to take the Advanced Placement Test in the spring.**

VISUAL AND PERFORMING ARTS

The Art Department at Wood-Ridge High School offers a variety of courses for students with all levels of ability. Students who want to explore art for personal enrichment or pursue art on the post-secondary level and beyond are encouraged to participate. In addition, the Music Department offers a wide variety of courses for students with all levels of ability. Students who want to explore music for personal enrichment or pursue art on the post-secondary level and beyond are encouraged to participate

BAND 05103 9-12 5 Credits

Band is open to students in grades 9, 10, 11, and 12 possessing intermediate skills on woodwind, brass, and percussion instruments. Students study and perform music of an intermediate level with emphasis on developing technical ability, characteristic tonality, and knowledge of phrasing. Performances are culminating experiences without equivalent substitutes. Students accept the performance calendar as a condition of participation and as part of the course requirement. Band students perform at all football games and various exhibitions and competitions during fall season. Band students are required to perform in the Holiday, Spring Concerts, Memorial Day Parade and HS Graduation.

CHOIR I and II 05111 9-12 5 Credits

Students will be in an active singing/performance course. They will become accustomed to recognizing pitch intervals to the point that, given a starting pitch, they will be able to sing through an excerpt of music they have never seen before. Choir I through IV will learn the same music, each semester and will sing as a whole but will have different concentrations in music theory and sight singing. Every semester the music will change. The first half of the class will consist of the concentrations and the other half will be singing and applying what they learned to the songs they will perform with Choir I through IV. By signing up for this full time course, they will perform in the Holiday and Spring Concert in the evening. Concerts dates and times will be announced at the start of the course. Each Concert will be an exam and is mandatory.

MUSIC THEORY 05117 9-12 5 Credits

Pre-Requisite: *Active member in concert band and/ or concert choir.*

Students use computers and MIDI keyboards to study and explore music theory, sequencing, music notation, sound creation and songwriting. The fundamentals of music are covered beginning with scales, key signatures, intervals, and rhythmic patterns. Students progress through basic chords, voice leading, and harmony to writing and digitally recording their small works. Part of the course is devoted to scales and harmonies used in contemporary rock and jazz as well as developing the knowledge and skills necessary for the art of sequencing. Critical listening skills and hearing of written music through computer-assisted exercises will be stressed throughout the course.

AMERICAN POP MUSIC 05116 9-12 2.5 Credits

This course is designed to provide students with knowledge of the development of American music from the early 20th century to the present. Through critical listening, students an awareness of various musical styles and an ability to appreciate music as an art form. Students also develop an understanding of the influence social and political issues have had and continue to have on American composers and performers.

MUSIC TECHNOLOGY 05119 9-12 2.5 Credits

This course is designed to introduce many aspects of music technology, including the use of computers for composition and production, basics of hardware and software electronic instruments MIDI, the use of electronics in performance and basic audio recording and editing. Over the course of the semester, students will be expected to create a number of original musical compositions and create an album of their work. Previous musical experience is not required but students with little or no previous experience will find this course challenging.

MUSICAL THEATER 05051 9-12 5 Credits

This year long class is designed to provide students with experience in the artistic/creative process through participation in all aspects of play production. The nature of this course is to provide hands-on learning experiences through participation and project management. Students will be expected to sing, dance, act, assist with advertising, set design, costumes, run lighting and sound systems, and to attend multiple performances throughout the time the student is enrolled in the musical theater class. Students are also required to log a minimum of 18 hours of after-school work for the school year, which should include, but not limited to, participation in our rehearsals and productions of the Winter High School Drama Production, Holiday Concert, Talent Show and/or Spring High School Musical as a cast or crew member.

INTRO TO DRAMA 05055 9-12 2.5 Credits

This semester course provides opportunities for students to explore theatre skills and techniques. Students will learn the fundamentals of theatre through projects, including the creation and performance of short scenes and ensemble acting. Additional studies will include technical theatre and theatre critique.

THEATER, ART, AND FILM 05051 9-12 2.5 Credits

Students will learn the basic skills necessary for theatrical production including scene interpretation and development, monologue and ensemble performance, basic blocking, scriptwriting and an introduction to theatre, art & film. This course focuses on the application of stage and performance principles including design, construction and operation of scenery, sound, lighting, makeup, costume, props and stage management. The course is designed as a practical approach to providing students with the fundamental skills of the dramatic arts with a strong focus on analysis and performance of dramatic works.

INTRODUCTION TO ART 05151 9-12 2.5 Credits

FDU Middle College Credit

This general introductory semester course provides the student with the essential skills needed to strengthen an appreciation of the world around us, as well as the ability to be creative and inventive. The focus is primarily on black and white composition through a variety of projects - Kirigami, scratchboard, value designs, facial proportion drawing and shading. The elements of value and shading, line and texture are emphasized. The student concentrates on realism in drawing and the various methods used to achieve realism, and thus creativity, in drawing. Projects may include still life, portraiture, illustration and a variety of activities that foster creativity.

ART & DESIGN 05155 9-12 2.5 Credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of Intro to Art*

This semester course focuses on the development of skills using color and design composition. The student uses a variety of colored media: paint, colored pencil, pastel and assorted art media. Research of historical and cultural origins of art as well as craft and folk art is explored. A color wheel is also developed by the student to be used in the design of individual pieces in color. These pieces may include a commercial advertisement, greeting card designs, logos, as well as 3-dimensional compositions. Hands-on activities will enable the student to further build upon the skills and creativity learned in Art I.

STUDIO ART 05154 10-12 2.5 Credits

Pre-Requisite: *Successful completion of Art & Design; art teacher recommendation*

Studio Art is a semester course designed to provide students with an advanced knowledge of art: art production, aesthetics, art history, and criticism with an emphasis on composition arrangement. Students will gain advance knowledge of two and three dimensional design, and advanced drawing skills.

DIGITAL PHOTOGRAPHY 11156 10-12 2.5 Credits

FDU Middle College Credit

Pre-Requisite: *Successful completion of Intro to Art and Art & Design*

In digital photography, four areas of instruction will be emphasized: How cameras work, how composition works, how lighting works, how to use photo editing software.

DRAWING 05115 10-12 2.5 Credits

Pre-Requisite: *Successful completion of Intro to Art and Art & Design*

The major focus of this semester course is on learning and mastering observational skills in drawing from life. The traditional subjects of landscape, cityscape, still life, rendering of two dimensional references and portraits are studied. Media variety includes charcoal, graphite pencils and pen and ink.

GRAPHIC DESIGN I 05162 10-12 2.5 Credits

Pre-Requisite: *Successful completion of Art & Design; art teacher recommendation*

This elective is a must for the student working to develop a marketable skill in the art field. This class features a hands-on approach to the world of advertising and commercial design. Project units include illustration, business cards and stationery, trademarks and lettering. Students will also be exposed to layout, design and drawing techniques using computers and software programs found in a professional graphic arts studio.

GRAPHIC DESIGN II 05155 10-12 2.5 Credits

Pre-Requisite: *Successful completion of Graphic Design I; art teacher recommendation*

Building on the skills learned in Graphic Design I, students will develop 2D and 3D visual communications of increasing sophistication and complexity. They will learn to critically observe their visual environment, solve design problems, and influence behavior through the use of graphic art. Through directed projects, they will explore the relationship of graphic imagery to the cultural, political, and psychological dynamics of information exchange.

ADVANCED PORTFOLIO DESIGN 05170E 10-12 2.5 Credits

Pre-Requisite: *Successful completion of Studio Art; art teacher recommendation*

Advanced Portfolio Design is a semester course designed to prepare students who are planning on entering an art program at the university level or attending an art school to create a comprehensive portfolio of work that will help them in the admissions process. This class will provide students with an advanced knowledge of the disciplines of art: art production, aesthetics, art history, and criticism with an emphasis on portfolio preparation. Students will gain advanced knowledge of two and three dimensional design, and advanced drawing skills.

PAINTING 05157 10-12 2.5 Credits

Pre-Requisite: *Successful completion of Intro to Art and Art & Design*

Students can expect to gain a strong foundation in drawing and painting in this beginning level class. Composition, the visual element, the principles of design, and the basic techniques and concepts of both drawing and painting will be covered. The end goals are to increase artistic self-confidence, increase one's understanding of the basics of drawing /painting and to produce successful works.

TECHNOLOGY

The Technology Department offers a variety of elective offerings providing students the opportunity to learn new and emerging technology and other tools for collaboration, research, publication, communication and productivity. In these courses, students are given opportunities to develop workplace readiness skills, including critical-thinking, decision-making and problem-solving.

WEB 2.0 10004 9-12 2.5 credits

This technologically-rich semester course will teach students the necessary entry-level skills for subsequent courses in the technology, career and consumer sciences departments. Software packages will be taught through a project-based approach and include Web 2.0, Google, ProEngineer, iMovie, iDVD, Garageband, Dreamweaver, Photoshop, Illustrator and Adobe Acrobat. Students will conclude the semester through an individualized project illustrating the integration of the previously-mentioned software packages.

WEB DESIGN 10999 9-12 2.5 credits

Pre-Requisite: *Successful completion of Web 2.0*

Students engage in project planning, design and develop production skills through applied projects. Advanced and dynamic methods in joining content and interactivity design are introduced, and highly structured as well as highly experimental approaches to Web design are explored. Creation of applications and reinforcement of techniques will empower the student to fully track the design, creation, implementation, troubleshooting, monitoring, and modification of web sites containing advanced elements such as: forms, tables, custom animation, streaming video, streaming audio, online databases, dynamic and static links, web scripts and design elements.

INTRO TO COMPUTER SCIENCE PRINCIPLES 007416 9-12 2.5 Credits

FDU Middle College Credit

In this course, students will gain the full understanding of today's digital world. Using knowledge from prior courses, students will learn in depth about the principles of computer systems and applications. Students will maximize the critical applications in all of today's OS's including MS Windows, Mac OS X, iOS, Android and Chrome OS. Students will explore today's digital evolution including social media and online security to examine the concepts behind today's influential technology trends. Other topics include file management utilities, digital security, coding, networking, processors and memory.

TV PRODUCTION AND COMMUNICATION 11051 10-12 2.5 credits

TV Production and Communication is a course designed to provide students with the knowledge and skills necessary to perform basic video production and editing. Students will write, shoot and edit videos under the direction of the instructor. Throughout the course students will learn to use a variety of professional tools: HD DV video camera, Apple's Final Cut Express video editing software and other technologies to create short films and multimedia productions. Topics explored include Camera Operation, Lighting, Sound Recording, Uploading, Importing Clips and Editing the music, images, volume and duration. This course will challenge students to think beyond the basics and interject creativity into their video projects. Upon course completion, students should be equipped with basic understanding of camera, microphone and editing terms, as well as the skills necessary to produce videos for broadcast.

21st CENTURY LIFE, BUSINESS & CAREER EDUCATION

CULINARY ARTS I 22202 9-12 2.5 credits

The Culinary Arts I curriculum is aligned to the American Culinary Federation Standards. Students will explore the culinary arts industry and receive an overview of industry standards, safe operation of equipment as well as safe handling of food and basic nutrition. Guest speakers will be invited for colleges, culinary schools and local restaurants to help students develop a better understanding of the culinary field. Students will also participate in several community activities which include Thanksgiving food baskets and holiday parties which allow the community the opportunity to experience the students' achievements.

CULINARY ARTS II 16056 9-12 2.5 credits

Pre-Requisite: *Successful completion of Culinary Arts I*

The Culinary Arts II curriculum is aligned to the American Culinary Federation Standards. Culinary Arts II builds upon student's skills and knowledge applied in Culinary Arts I. The type of food preparation expands from a primarily regional U.S. focus in Culinary Arts I to include international cooking techniques. The students will also participate in an interdisciplinary project with the library and art classes. This course focuses on baking, "chef in training" and nutrition, hospitality, sales and marketing.

INTERNATIONAL CUISINE 16056 10-12 2.5 credits

Pre-Requisite: *Successful completion of Culinary Arts I & II*

International Cuisine focuses on understanding the differences and the commonalities we have with various cultures around the world through its cuisine. Students will acquire a greater understanding of the world and the cultural diversity that exists within their own community

REAL WORLD COOKING 16054 10-12 2.5 credits

Pre-Requisite: *Successful completion of Culinary Arts I & II*

A hands-on culinary adventure offered to seniors ready to enter the real world of everyday cooking while preparing them for future independence.

21ST CENTURY LIFE SKILLS 22206 9-12 2.5 credits

This course is designed for students who are seeking to learn about various career paths: professional, technological, semi-professional, clerical and/or vocational. Students will evaluate their specific interests, skills and academic abilities through projects in self-awareness. They will explore basic information related to their career interests by investigating various careers in banking, travel, communications, business, transportation, marketing, healthcare, technology, education etc. Speakers from diverse career clusters are scheduled upon availability. Each student will create a personal portfolio. This portfolio will demonstrate technological skills and personal information. We will discuss personality traits, interests, values, setting goals, researching careers (on and off the computer, professional behavior, first impressions, resumes and interviews.

FINANCIAL LITERACY 12103 9-12 2.5 credits

This course provides a comprehensive foundation of financial principles and finance applications. Students will have actual hands-on experience in completing an accounting cycle for merchandising and publicly-held corporations with applications reinforced by the use of computers.

ENTREPRENEURSHIP 12053 10-12 2.5 credits

Entrepreneurship is designed to help students gain an understanding of the business principles necessary to start and operate a business. Students will identify and assess common traits and skills found in entrepreneurs, explore business opportunities and compare the risks and rewards of owning a business. The primary focus of the

course is to help students develop the skills needed to effectively organize, create and manage their own business. Students will develop a written business plan for a business of their choice.

MARKETING ESSENTIALS 12163 10-12 2.5 credits

This course is designed to enable students to understand and apply marketing, management, and entrepreneurial principles, make rational economic decisions, and exhibit social responsibility in a global economy. Topics covered will include a wide range of traditional business topics with a particular focus on the basic principles of marketing. Students will acquire broad understandings of and skills in marketing so that they can transfer their skills and knowledge between and among industries, as well as gain a strong foundation to support an advanced study of marketing. Students will recognize the importance of interpersonal skills in diverse societies, gain a realistic understanding of work, and use technology to perform marketing activities. Students will be challenged to analyze ethical implications of various marketing practices.

STOCK MARKET ANALYSIS 12107 10-12 2.5 credits

Pre-Requisite: *Successful completion of Financial Literacy*

Stock market analysis is a one-semester introductory course that covers various security markets and different types of investments available. Students will develop a systematic approach to portfolio development and management. Students will participate in an online stock market simulation game and make investment decisions in real time on a daily basis.

BUSINESS LAW 04164 10-12 2.5 credits

This semester course is designed to provide students with a comprehensive approach to the study of law and how it relates to business and legal issues. Topics include the origin and development of our laws; an overview of the structure of various legal systems; laws pertaining to minors, especially legal relationships with the police; and an introduction to civil and criminal procedures. This course is of special benefit to those planning to major in business administration or law in college.

INTRO TO BUSINESS 62999 10-12 2.5 credits

This semester course designed to provide students with the skills and knowledge required to succeed in the business world. Emphasis is placed on using current business software, communications, and the Internet for business transactions.

INTRODUCTION TO RESEARCH 10051 10-12 2.5 credits

Students have the opportunity to perform research projects and participate in the scientific research community as part of their high school experience. They will learn time management, sophistication in dealing with professionals, and bibliographic research using online services.

STRENGTH TRAINING & INJURY PREVENTION 22202 10-12 2.5 credits

This course focuses on the principles of strength training programs and the fundamental components vital to an athlete's development and success. Strength training programs for sport ultimately must develop either explosive power or muscular endurance. However, rather than immediately embarking on a program to improve either or both of these fitness components, a more effective approach is to first build a solid foundation.

ATHLETIC TRAINING/SPORTS MEDICINE 08017 10-12 2.5 credits

This course teaches students components of sports medicine, including exploration of the following: sports medicine careers, medical terminology, anatomy and physiology, first aid, injury prevention principles, the healing process, rehabilitation techniques, therapeutic modalities, sports nutrition, sports psychology, kinesiology, taping and wrapping, and emergency procedures.

THEORY IN COACHING/MOTIVATION IN SPORT 58005 10-12 2.5 credits

During the duration of a semester, this multimedia course, will focus on theories in coaching, motivation, and athletes. It will introduce the history and importance of sports in our society, as well as important figures, trends, significant events, developments, and controversies in sports through literature and nonfiction, as well as print and visual media. Coaching and Motivation will consist of an examination of sports from several perspectives through interaction with literature including the following: essayists, sports columnists, the media, novelists, athletes, television and movie directors, and documentaries.

FITNESS FOR LIFE 08052 10-12 2.5 credits

This program is the learning of self-management skills that will help students adopt lifelong healthy lifestyles. Some concepts and principles derived from educational and psychological theory support the importance of self-management skills in making health behavior changes such as becoming more active, eating well, and managing stress.

COLLEGE & UNIVERSITY PARTNERSHIPS

College Credit-Bearing Course Offerings *

COLLEGIATE ACADEMY: Felician College and Wood-Ridge High School have an agreement to allow high school students to earn college credits by attending classes on the College's Lodi or Rutherford, NJ campus while still in high school. Juniors and seniors are eligible to enroll in any evening 100 or 200 level course that is offered in a given semester. The tuition for Collegiate Academy is payable directly to Felician College by the student's parent/guardian. Students who wish to enroll in the Collegiate Academy should see their guidance counselor to review course options, registration authorization and information about tuition. Successful completion of each course will earn the student 3 college credits. All course offerings are made available by Felician College and can be reviewed on their website: www.felician.edu

FAIRLEIGH DICKINSON UNIVERSITY MIDDLE COLLEGE PROGRAM: The Middle College Program through Fairleigh Dickinson University affords students an opportunity to earn college credit for courses taken at high school. The Middle College Program has approved the following Wood-Ridge High School courses for credit through Fairleigh Dickinson University: Medical Terminology; Physics; Physics Honors Engineering the Future; Biotechnology; Genetics; Forensics, Business Math, Genetics, Zoology, The 1960's, Public Speaking, and Intro to Computer Science Principles. The tuition for FDU Middle College Program is paid by the student's parent/guardian. Students who are taking these courses at Wood-Ridge High School and wish to also be enrolled in the Middle College Program should see their guidance counselor to review registration, information and course requirements.

SEQUENCE CHARTS

ENGLISH DEPARTMENT	Grades Offered			
Subject:	9	10	11	12
English I	X			
English I Honors	X			
English II		X		
English II Honors		X		
English III			X	
English III Honors			X	
AP Language and Composition			X	
English IV				X
English IV Honors				X
AP English Literature				X
ESL	X	X	X	X
ACCUPLACER ELA Prep				X
Creative Writing		X	X	X
Photojournalism/Publishing		X	X	X
Contemporary Issues in Literature		X	X	X
Shakespeare & Drama		X	X	X
Introduction to Mass Media		X	X	X

Experiencing the Classics		X	X	X
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SOCIAL STUDIES DEPARTMENT	Grades Offered			
Subject:	9	10	11	12
World History	X			
World History Honors	X			
US History I		X		
US History I Honors		X		
US History II			X	
US History II Honors			X	
AP US History			X	
AP Government		X	X	X
Public Speaking	X	X	X	X
The 1960s		X	X	X
Unsolved Mysteries in History		X	X	X
Women in History		X	X	X
Law			X	X
Sociology			X	X
Current Issues			X	X

MATHEMATICS DEPARTMENT	Grades Offered			
Subject:	9	10	11	12
Algebra I	X	X		
Algebra I Honors	X	X		
Geometry	X	X	X	
Geometry Honors	X	X	X	
Algebra II		X	X	X
Algebra II Honors		X	X	
Pre-Calculus			X	X
Pre-Calculus Honors			X	X
Calculus				X
AP Calculus				X
College Math				X
Statistics			X	X
AP Statistics			X	X
AP Computer Science Principles		X	X	X
Accounting			X	X
Business Math			X	X
ACCUPLACER Math Prep				X

SCIENCE DEPARTMENT	Grades Offered			
Subject:	9	10	11	12
Physics	X		X	X
Physics Honors	X		X	X
AP Physics			X	X
Chemistry		X		
Chemistry Honors		X		
AP Chemistry			X	X
Biology			X	
Biology Honors			X	
AP Biology			X	X
Zoology		X	X	X
Astronomy		X	X	X
Botany		X	X	X
Natural Disasters		X	X	X
Medical Terminology			X	X
Engineering The Future			X	X
Anatomy/Physiology			X	X
Biotechnology			X	X
Forensic Science			X	X
Genetics			X	X

WORLD LANGUAGE DEPARTMENT	Grades Offered			
Subject:	9	10	11	12
Italian I	X	X	X	X
Spanish I	X	X	X	X
Italian II	X	X	X	X
Spanish II	X	X	X	X
Italian III		X	X	X
Spanish III		X	X	X
Italian IV			X	X
Spanish IV			X	X
AP Italian				X
AP Spanish				X

Technology	Grades Offered			
Subject:	9	10	11	12
Web 2.0	X	X	X	X
Web Design	X	X	X	X
TV Production and Communion		X	X	X

Intro to Computer Science Principles	X	X	X	X
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VISUAL & PERFORMING ARTS	Grades Offered			
	9	10	11	12
Subject:				
Band	X	X	X	X
Choir I and II	X	X	X	X
Music Theory	X	X	X	X
American Pop Music	X	X	X	X
Music Technology	X	X	X	X
Musical Theater	X	X	X	X
Introduction to Drama	X	X	X	X
Theatre, Art & Film	X	X	X	X
Intro to Art	X	X	X	X
Art & Design	X	X	X	X
Digital Photography		X	X	X
Studio Art		X	X	X
Drawing		X	X	X
Graphic Design I		X	X	X
Graphic Design II		X	X	X
Advanced Portfolio Design		X	X	X
Painting		X	X	X

BUSINESS, 21ST CENTURY LIFE & CAREERS EDUCATION	Grades Offered			
Subject:	9	10	11	12
Culinary Arts I	X	X	X	X
Culinary Arts II	X	X	X	X
International Cuisine		X	X	X
Real World Cooking		X	X	X
21 st Century Life Skills		X	X	X
Financial Literacy	X	X	X	X
Entrepreneurship		X	X	X
Marketing Essentials		X	X	X
Stock Market Analysis		X	X	X
Business Law		X	X	X
Introduction to Business		X	X	X
Introduction to Research		X	X	X
Strength Training and Injury Prevention		X	X	X
Athletic Training/ Sports Motivation		X	X	X
Theory in Coaching/Motivation in Sports		X	X	X
Fitness for Life		X	X	X

COLLEGE CREDIT COURSES	Grades Offered			
Program:	9	10	11	12
Collegiate Academy Felician College			X	X
Middle College/Fairleigh Dickinson University	X	X	X	X

Notes: