

Clearview Regional High School District

High School & Middle School
Program of Studies



2017/2018

Clearview Regional High School

Program of Studies Planning Guide



2017/2018

ADMINISTRATION

John Horchak III, Superintendent

Diane Cummins, Assistant Superintendent for Curriculum and Instruction

Esther Pennell, Business Administrator

Tammy McHale, Director of Special Services

Dodd Terry, Director of Guidance

Michael Vicente, Director of Student Activities/Athletics

Keith Brook, High School Principal

Michael Holm, High School Assistant Principal

Thomas Jones, High School Assistant Principal

Dawn Scalfaro, High School Assistant Principal

Robin Bazzel, Middle School Principal

Gregory Horton, Middle School Assistant Principal

Kristin Schell, Middle School Assistant Principal

BOARD OF EDUCATION

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Mr. Gregory Fuller

Mrs. Debbie Lundberg

Mr. Paul Ware

Mrs. Karen Vick

AFFIRMATIVE ACTION TEAM

Dodd Terry (District) – 856-223-2713

Robin Bazzel (Middle School) – 856-223-2746

Debbie Wilson (Middle School) – 856-223-2752

Thomas Jones (High School) – 856-223-2728

Lisa Marandola (High School) – 856-223-2715

TITLE IX COORDINATOR

Diane Cummins – 856-223-2766

SECTION 504 COMPLIANCE OFFICER

Tammy McHale – 856-223-2770

District Mailing Address: 420 Cedar Rd., Mullica Hill, NJ 08062

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SCHOOL COUNSELING SERVICES

Counselors offer many services which help students adjust to the school's organization, plan of studies and program of activities. Counseling services at Clearview include: academic, personal/social and career development, decision making, problem solving, course selection, state and standardized testing and educational, college and career planning. Individual and group guidance activities are planned to help students achieve success in their high school experience and reach their highest potential. Counselors assist students in planning a program of studies which compliments their individual interests, abilities, aptitudes and interests. Students are encouraged to meet with their counselors for help with personal and academic concerns and post-secondary plans including college and technical school selection, military, and apprenticeship training.

SCHEDULING ASSISTANCE

Students are encouraged to seek the assistance of the following individuals.

High School: 856-223-2710

Director:	Dodd Terry
School Counselors:	Stephen Asay Meghan Becker Jennine Donnelly Lisa Marandola Dr. Steven Moraca Paul Sommers

Middle School: 856-223-2750

School Counselors:	Sherin Blöse Deborah Wilson Michael Zappala
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Student Assistance Counselor:	Jessica Datz
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Department Coordinators

Career and Technical Education	
Health, Safety and Physical Ed	Thomas Jones
English/Language Arts	Diane Bernstein
Mathematics	Mary Marks
Science	
Social Studies	Michael Holm
Special Education	Kathleen Firkser
Visual and Performing Arts	Diane Bernstein
World Languages	Dawn Scalfaro

COURSE CHANGES – Please Read Carefully!

The courses described in this curriculum guide are tentative listings and are subject to cancellation. Although it is presently our intention to offer every course listed, it is possible that enrollment numbers may necessitate revision.

Therefore, changes in elective course selections will not be permitted after June 1, 2017. Only a change in a graduation required course or change in instructional level will be permitted after that date.

Course changes in instructional level:

- a. **Dropping down a level (from Honors to Advanced)** Students may request to drop down a level placement in an academic class at the end of the first marking period. At that time, the student/parent will need to make a change request in academic level placement. The student/parent/teacher/school counselor and Instructional Supervisor will meet regarding the request and a decision will be made in the academic best interest of the student based on the evidence (prior grades, current grades, test scores, teacher recommendation and other factors). Please note that students who are appropriately placed may not change an academic level placement before the end of the first marking period.
- b. **Moving up a level (from Advanced to Honors)** if a student has a request to move up a level, it needs to be presented to the school counselor within the first two weeks of school. The school counselor will then communicate with the teacher/parent/instructional supervisor and a decision will be made in the academic best interest of the student.

Dropping a non-required class for a Study Hall:

- a. Students may drop a class that **IS NOT** a graduation requirement for a Study Hall under the following conditions:
 - i. A student may drop a class for a study hall, without penalty, in the first marking period.
 - ii. A student may drop a class for a Study Hall in the second and third marking period; however, the original course will be recorded on the Official Transcript, as either a “WP” (Withdrawal Pass”) or “WF” (Withdrawal Fail) depending on the course average at the time of class drop.
 - iii. A student may NOT drop a class for a study hall in the fourth marking period, unless it is initiated by an Administrator. In the case of a drop, that is initiated by an Administrator (for discipline reasons) a “WP” or “WF” will be reported on the transcript.

COURSE SELECTION GUIDELINES

Students and parents should consider these points when selecting courses:

- Prior academic achievement/student interest level in content area;
- Future goals; and
- The second year of a sequential course may be taken only after the first year has been successfully completed. For example, CAD I must precede CAD II.

A minimum final grade of “70” must be obtained in any subject in order to be granted diploma credit for the subject.

Administration reserves the right to cancel any course due to insufficient enrollment or other educational conditions.

Parents: Please contact your child’s counselor for more information.

Students: You are scheduling your courses for a full year of study. Seek all of the help that you can before making your choices – talk to you parents, counselor, and teachers.

ADVANCED LEARNING OPPORTUNITIES

All students need to be challenged to their utmost potential. For students with high intellectual aptitude, rapid application of academic knowledge, and high motivation for accelerated learning, numerous advanced, honors, and AP courses are offered in academic and elective courses. These courses are designed to ensure that students are challenged both academically and intellectually. Participation in these courses is based upon: classroom grades and performance, teacher recommendation, successful completion of pre-requisite courses, and student desire for and commitment to high productivity. Additionally, co-curricular opportunities are available for students who desire intellectual creativity at a competitive level.

CREDIT REQUIREMENTS

Participation in Co-Curricular Activities

Definition: “Co-Curricular Activities” means athletics, club programs, drama programs, competition band, Student Council, cheerleading, and similar activities. It does not include dances, attendance at athletic events or shows, or other activities of a similar nature. The High School Principal will make the determination of whether a specific activity is co-curricular. In order to be eligible to participate in Co-Curricular activities at the start of the first semester of each school year, a student must have earned a total of 30 or more credits the prior school year (through regular class or accredited summer school work). In order to be eligible to participate in Co-Curricular activities at the start of the second semester, a student must have earned passing grades for the first semester in courses with a value equivalent to 30 or more credits (credits for full year courses shall be

equated at one half their total value to determine credits earned during the first semester). A student eligible to represent his/her school in **winter sports** on December 1, may continue to do so until the end of that season. Incoming ninth grade students are automatically eligible during the first semester. Continued eligibility is based on the provisions of this policy.

INDIVIDUALIZED EDUCATIONAL PROGRAM

Clearview Regional High School District provides an array of support services for the special education student. A student is eligible for the special education program based on results of a comprehensive evaluation by the Child Study Team (CST). Specific programming and educational goals are formulated jointly by the CST, teachers, and parents as part of the Individualized Educational Program (IEP). These plans are consistent with Federal code and State rules and regulations.

Courses are designed to meet the individual educational needs of the classified student. Instruction may be given in regular education classes, instructional support classes (IS), in-class resource classes (ICR), resource replacement classes (RR), or in a self-contained program. Special education students are placed, to the greatest extent possible, in the regular education program without discrimination due to their disabilities. When a student is placed in the regular (mainstreamed) class, he/she is expected to meet the approved proficiencies and requirements of each course unless modifications are specified within the IEP.

The specialized courses (Resource Replacement and Self-Contained Classes) are designed to meet the unique needs of the special education population. These courses are delivered according to the student’s IEP and the goals and objectives that have been written for each student. These courses fulfill graduation requirements of the district, the state graduation requirements, and the NJ Student Learning Standards for each discipline.

STATEMENT OF NON-DISCRIMINATION PRACTICES

The Board of Education shall provide equal and bias-free access for all students to all school facilities, courses, programs, activities, and services, regardless of race, creed, color, national origin, ancestry, age, marital status, affectional or sexual orientation, gender, gender identity or expression, religion, disability or socioeconomic status.

No qualified handicapped or disabled person shall, on the basis of handicap or disability, be excluded from participation in, be denied the benefits of, or be subjected to discrimination in employment or under any program, activity or vocational opportunities sponsored by this Board.

GRADUATION TEST REQUIREMENTS

High School Graduation State Testing Requirements:

Students in the classes of 2018 and 2019 must demonstrate proficiency in both ELA and Math by meeting ONE of the criteria listed below:

English Language Arts	Mathematics
PARCC ELA Grade 9 ≥ 750 (Level 4) <i>or</i>	PARCC Algebra I Grade 9 ≥ 750 (Level 4) <i>or</i>
PARCC ELA Grade 10 > 750 (Level 4) <i>or</i>	PARCC Geometry > 725 (Level 3) <i>or</i>
PARCC ELA Grade 11 > 725 (Level 3) <i>or</i>	PARCC Algebra II (Level 3) > 725 <i>or</i>
Prior to 03/01/2016 SAT Critical Reading ≥ 400 <i>or</i>	Prior to 03/01/2016 SAT Math ≥ 400 <i>or</i>
03/01/2016 or later SAT Evidenced-Based Reading and Writing Section ≥ 450 OR SAT Reading Test ≥ 22	03/01/2016 or later SAT Math Section ≥ 440 OR SAT Math Test ≥ 22
ACT Reading or ACT PLAN Reading ≥ 16 <i>or</i>	ACT or ACT PLAN Math ≥ 16 <i>or</i>
Accuplacer Write Placer ≥ 6 <i>or</i>	Accuplacer Elem. Algebra ≥ 76 <i>or</i>
Accuplacer Write Placer ESL ≥ 4 <i>or</i>	
PSAT 10 Reading or PSAT/NMSQT Reading* ≥ 40 <i>or</i> PSAT10 Reading or PSAT/NMQT Reading** ≥ 22 <i>or</i>	PSAT 10 Math or PSAT/NMSQT Math* ≥ 40 <i>or</i> PSAT10 Math or PSAT/NMQT Math** ≥ 22 <i>or</i>
ACT Aspire Reading ≥ 422 <i>or</i>	ACT Aspire Math ≥ 422 <i>or</i>
ASVAB-AFQT Composite ≥ 31 <i>or</i>	ASVAB-AFQT Composite ≥ 31 <i>or</i>
Meet the Criteria of the NJDOE Portfolio Appeal	Meet the Criteria of the NJDOE Portfolio Appeal

Note: *PSAT taken prior to October 2015; **PSAT taken after October 2015

The Class of 2020 can demonstrate graduation assessment proficiency through the same alternative means as those in the Classes of 2018 and 2019, provided that students in the Class of 2020 take ALL PARCC assessments associated with the high-school level courses for which they were eligible* (see below):

English Language Arts	Mathematics
PARCC ELA Grade 9 (must take, if eligible*)	PARCC Algebra I (must take if eligible*) <i>or</i>
PARCC ELA Grade 10 (must take, if eligible*)	PARCC Geometry (must take if eligible*) <i>or</i>

English Language Arts	Mathematics
PARCC ELA Grade 11 (must take, if eligible*) <i>or</i>	PARCC Algebra II (must take if eligible*) <i>or</i>
If a passing score is not met on at least one of the above three tests, then the student can use the following:	
SAT Reading <i>or</i>	SAT Math <i>or</i>
ACT Reading or ACT PLAN Reading** <i>or</i>	ACT or ACT PLAN Math** <i>or</i>
Accuplacer WritePlacer <i>or</i>	Accuplacer Elem. Algebra <i>or</i>
Accuplacer Write Placer ESL <i>or</i>	PSAT10 Math or PSAT NMSQT Math <i>or</i>
PSAT10 Reading or PSAT/NMSQT Reading <i>or</i>	PSAT10 Math or PSAT NMSQT Math <i>or</i>
PSAT10 Reading or PSAT NMSQT Reading <i>or</i>	ACT Aspire Math** <i>or</i>
ACT Aspire Reading** <i>or</i>	ASVAB-AFQT Composite <i>or</i>
ASVAB-AFQT Composite <i>or</i>	Meet the Criteria of the NJDOE Portfolio Appeal

*Eligible is defined as a student who is enrolled in a high-school level course for which there is a PARCC test. This includes all of these courses: Algebra I, Geometry, Algebra II, ELA 9, ELA 10, and ELA 11.

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

Starting with the Class of 2021 and beyond, students will need to meet the high school graduation assessment requirements by passing PARCC ELA Grade 10 and PARCC Algebra I.

If students are unable to pass one or both of those assessments, they will be able to access the portfolio appeals process to meet the assessment requirements, but only if they take all PARCC assessments associated with the high-school level courses for which they were eligible* (see the chart below):

English Language Arts	Mathematics
PARCC ELA Grade 10 (must take and pass)	PARCC Algebra I (must take and pass)
If a passing score is not met on PARCC ELA or ALGEBRA I, then the student MUST HAVE TAKEN	
PARCC ELA Grade 9 <i>and</i>	PARCC Algebra I, <i>and</i>
PARCC ELA Grade 10 <i>and</i>	PARCC Geometry <i>and</i>
PARCC ELA Grade 11 <i>before they can</i>	PARCC Algebra II (if eligible*) <i>before they can</i>
Meet the criteria of the NJDOE Portfolio Appeal	Meet the criteria of the NJDOE Portfolio Appeal

*Eligible is defined as a student who is enrolled in a high-school level course for which there is a PARCC test. This includes all of these courses: Algebra I, Geometry, Algebra II, ELA 9, ELA 10, and ELA 11.

BIOLOGY ASSESSMENT

In addition to the requirements above, the New Jersey Department of Education requires all students enrolled in a first year Biology class to take the New Jersey Biology Competency Test (NJBCT). Demonstrating proficiency on the NJBCT is not a graduation requirement at this time. This assessment is administered in the month of May.

	Level I	Level II	Level III
Major Assessments	25%	50%	60%
Minor Assessments	25%	25%	30%
Homework/Classwork	50%	25%	10%

Major and Minor Assessments include performance, product, and process-based tasks as determined by the teacher and relayed to students at the time of the assessment. Teachers will use a variety of assessment techniques with all students.

All grades are numerical: 70-100 is a passing grade.
69 and below is a failing grade.

93 – 100	=	A
85 – 92	=	B
76 – 84	=	C
70 – 75	=	D
69 – 0	=	F

GRADUATION REQUIREMENTS

In order for students to graduate from Clearview Regional High School, they must successfully complete the graduation requirements adopted by the Clearview Regional Board of Education, in accordance with the New Jersey State Statutes and Board of Education Policy. The minimum number of credits required to graduate Clearview Regional High School is 130. A minimum of 35 credits must be scheduled in grades 9 – 11 regardless of the accumulated total. Grade level status can be determined by consulting the Board of Education Policy #5410.

Graduation Requirements for all Students

4 years of English/Language Arts	20 credits
4 years of Health, Safety and Physical Education	15 credits
3 years of Mathematics*	15 credits
3 years of Science*	15 credits
2 years of United States History	10 credits
1 year of World History	5 credits
1 year of World Language	5 credits
1 year of Visual and Performing Arts	5 credits
1 year of 21 st Century Life & Careers or Career and Technical Education	5 credits
1/2 year of Financial, Economic, Business, & Entrepreneurial Literacy	2.5 credits

- Ten of the required fifteen credits in Mathematics are to include Algebra I and Geometry or the content equivalent;
- Ten of the required fifteen credits in Science are to include Lab Biology/life science or the content equivalent and one additional laboratory/inquiry based science course which shall include chemistry, environmental science, or physics;
- Financial, Economic, Business and Entrepreneurial Literacy. The goal of this State requirement is to ensure that students demonstrate understanding about how the economy works and their own role in the economy, and also develop the necessary skills to effectively manage personal finances by the time they graduate.

GRADING SYSTEM

Parents may access all student grades online through PowerSchool via the district homepage: www.clearviewregional.edu. A secure individual password is necessary to access the student grade information.

Level I:	General level courses
Level II:	Advanced courses
Level III:	AP courses/Academically Accelerated

CLASS RANK – Policy #5430

The Board of Education acknowledges the usefulness of a system of computing grade point averages and class ranking for secondary school graduates, both to inform students of their relative academic placement among their peers and to provide students, prospective employers, and institutions of higher learning with a predictive device so that each student is more likely to be placed in an environment conducive to success.

The Board authorizes a system of class ranking, by grade point average, for students in grades nine through twelve.

A student who enters Clearview High School during the year of his/her graduation (usually 12th grade), or who is to graduate high school in less than four (4) years (usually from an accelerated program), shall be included in the overall ranking for that graduating class, but shall not displace or move any other student from his/her ranked position. In essence, this student shall be given the same rank place as the student who has been a member of the graduating class during previous years.

All students shall be ranked together.

Class rank will be calculated by the final grade in all subjects. The class ranking of a student who has transferred to this district will include the grades earned in the regular program of the prior school. For AP and Academically Accelerated courses, the actual earned grade will appear on the Official Transcript and report card. For ranking purposes, the original grade will be weighted utilizing the formula below.

Grades earned in classes taken out of Clearview Regional High School for acceleration or enrichment purposes (i.e. classes taken at county colleges online courses or courses completed elsewhere) will not be included in the calculation

of class rank or cumulative GPA. Courses successfully completed for credit recovery (i.e. online summer school or traditional summer school or alternative school) will be included in the calculation of class rank or cumulative GPA.

Any two or more students whose computed grade point averages are identical will be given the same rank. The rank of the student who immediately follows a tied position will be determined by the total number of all preceding students not by the rank of the immediately preceding student.

A student's grade point average and rank in class will be entered on the student's record and will be subject to Board Policy No. 8330 on the release of student records.

COURSE WEIGHTING – Policy #5430

In order to place more "weight" on Honors or AP courses in Clearview High School, the following procedure will be utilized to adjust the student's grade point average and rank for courses listed under each group level.

Procedure:

All students who complete courses listed under AP will have their final course grade calculated by a factor of 1.05, and that weighted grade will be used as the GPA (Grade Point Average) for ranking purposes only. The ranking formula is as follows:

Grade x factor (Example: $90 \times 1.05 = 94.5$ weighted GPA)

All students who complete courses listed under Academically Accelerated will have their final course grade calculated by a factor of 1.03, and that weighted grade will be used as the GPA (Grade Point Average) for ranking purposes only. The ranking formula is as follows:

Grade x factor (Example: $90 \times 1.03 = 92.7$ weighted GPA)

Courses:

Advanced Placement:

- AP English Language and Composition
- AP English Literature and Composition
- AP Calculus AB
- AP Calculus BC
- AP Environmental Science
- AP Statistics
- AP Biology
- AP Chemistry
- AP Physics C: Mechanics
- AP Physics: Electricity & Magnetism
- AP United States History
- AP US Government & Politics
- AP Psychology
- AP Music Theory
- AP Studio Art
- AP French
- AP Spanish
- AP European History
- AP Physics 1: Algebra Based
- AP Physics 2: Algebra Based

Academically Accelerated:

- Honors English I, II, III, & IV
- Honors Algebra I, II
- Honors Geometry
- Honors Precalculus
- Honors Calculus
- Honors Biology
- Honors Chemistry
- Honors Physics
- Honors US History I, II
- Honors World History
- Honors Vocale Ensemble
- Honors Wind Ensemble
- Honors Art III, IV
- Honors Spanish III, IV, V
- Honors French III, IV
- Honors German III, IV, V
- Honors Latin III, IV
- Honors Economics
- Honors Accounting IV
- Honors Architecture I, II
- Honors Engineering I, II

Guidelines:

Students will have the weighted calculations of GPA for ranking purpose only. Actual earned grades will appear on the report card and transcript.

COLLEGE CREDIT

The Board shall make reasonable efforts to develop articulation agreements with New Jersey colleges and universities to facilitate the delivery of college credit courses to qualified students. The Board shall determine eligibility requirements for these students and monitor the quality of the courses offered and college faculty who teach the course.

Clearview offers students the opportunity to earn college credits while still attending high school.

DUAL COLLEGE CREDIT OPPORTUNITIES:

ROWAN: UNIVERSITY AND COLLEGE - HIGH SCHOOL START PROGRAM

Clearview Regional High School and Rowan University and Rowan College at Gloucester County (RCGC) have signed a memorandum of understanding to offer high school students multiple pathways toward earning college credit while in high school. Two pathways that have been offered for several years include the RCGC High School Option Program (HSOP) and the RCGC Customized Program Articulation (CPA) program (please see below for more information on these two programs and also visit www.rcgc.edu/designyourfuture). Three new pathways for the 2017-18 school year include Dual Credit with RCGC, transfer credit with RCGC for AP courses, and completing Rowan University coursework at a reduced tuition cost per credit. Regarding Dual Credit, Clearview and RCGC are corresponding about the courses in our Clearview curriculum that are college-level. A decision about approved courses is expected in the spring. It is expected that these approved courses will include Advanced Placement (AP) as well as Honors/Advanced classes. For approved courses, students will submit an application fee of \$125 per course and earn the corresponding RCGC college credit with a final grade of 85 or higher in the Clearview course. Transfer credit is available through RCGC for AP exam scores of 3 or higher. *Clearview students may earn up to thirty (30) RCGC credits through Dual Credit and AP transfer credit.* The amount of college credit earned in high school could be higher than thirty (30) with student's successful completion of HSOP courses.

HIGH SCHOOL OPTION PLAN (HSOP)

High School students age 15 and older may take general education courses that can be applied to a Rowan College Associate Degree program or transferred to other institutions of higher education. Students who elect to transfer their credits to another college must request an official RCGC transcript be sent to their choice institution. In addition, RCGC credits may satisfy high school graduation requirements through the NJ Department of Education's Option Two. An unlimited number of courses may be taken during high school at a 65% tuition reduction under HSOP.

CUSTOMIZED PROGRAM

ARTICULATION

Clearview Regional High School and RCGC have an articulation agreement for the following programs: Drafting, and Accounting.

Clearview students must complete a three year sequential course of study with final grades of 85 or higher each year in order to earn credit in the RCGC introductory level course. Clearview students must enroll at Gloucester County College and complete a minimum of twelve (12) credits.

CAMDEN COUNTY COLLEGE – HIGH SCHOOL PLUS PROGRAM

This is a dual credit program that enables academically talented high school students to receive college credit for certified high school courses they are taking. The student receives both high school credit and college credit for these courses. Upon graduation, students may choose to come to Camden County College or they can transfer their credits to a four-year school. However, it should be understood that no college, including Camden County College, can absolutely guarantee the transferability of its credits to another institution. **It is ultimately up to each institution from which the student is seeking credit and any questions should be directed to that institution.**

Program Requirements:

- A final grade of 85 or higher in the Clearview course;
- Submission of CCC dual credit application with \$150 fee per course.

Clearview courses eligible for CCC Dual Credits:

Honors Spanish III, IV
AP Spanish V
Honors French III, IV
AP French V
Honors Latin III, IV
Honors German III, IV, V
AP Chemistry

NEW JERSEY STARS PROGRAM INFORMATION

The New Jersey Student Tuition Reward Scholarship (NJ STARS) Program is an initiative created by the State of New Jersey to provide the state's highest achieving students with free tuition at their home county college.

STUDENT ELIGIBILITY

New Jersey residents, who have a class rank in the top 15% at the end of their junior or senior year, complete a rigorous high school course of study, and achieve the required score on a college placement test to determine college readiness and eligibility are eligible for NJ STARS.

NEW JERSEY STARS BENEFITS

The NJ STARS award covers the cost of tuition, less any State and/or Federal grants and scholarships, for up to five semesters. The award covers these charges for up to 18 credit hours per semester. **Funding for NJ STARS awards is dependent upon annual State appropriations.**

CAREER & TECHNICAL EDUCATION

*The New Jersey Department of Education requires all students take a minimum of 2.5 credits of Personal Financial Literacy. Students can meet this requirement by taking either of the following courses as a 9th or 10th grader, Intro to Marketing Education I, Intro to Accounting I, or Intro to Global Logistics. Students also have the option of waiting until 11th or 12th grade to meet the requirement by taking a full year course entitled Personal Financial Literacy.

School of Business



Students interested in a business career may choose to complete any of the following three program of studies:

Accounting, Global Logistics, or Marketing

Course Offering	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
Career Cluster: <i>Finance</i>	Prepares you for careers in which you plan, organize, direct and evaluate operations in order to run a successful business.				
Intro to Accounting I*	X	X			I
Accounting II		X	X	X	II
Accounting III			X	X	II
Honors Accounting IV				X	III
Career Cluster: <i>Marketing</i>	Prepares you for careers in advertising, public relations, sales and planning.				
Intro to Marketing Education I*	X	X			II
Marketing Education II			X	X	II
Marketing Education III				X	II
Career Cluster: <i>Transportation, Distribution & Logistics</i>	Prepares you for careers in which you plan, manage and move everything from people to company products through a range of transportation services.				
Intro to Logistics*	X	X			
Functional Areas in Logistics	Projected Future Course Offerings				
Global Logistics Management					
Logistics & Supply Chain Management					

School of Culinary Arts



Career Cluster: <i>Hospitality & Tourism</i>	Prepares you for a career to work with a variety of people from all over the world in the restaurant industry.				
Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
Culinary Arts I	X	X	X		II
Culinary Arts II		X	X	X	II
Culinary Arts III			X	X	II
Cultural Foods		X	X	X	II

School of Engineering



Career Cluster: <i>STEM – Science, Technology, Engineering, and Math</i>	Prepares you for careers using science, technology, engineering and mathematics skills.				
Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
Engineering and Architecture					
Computer Aided Drafting I (CAD I)	X	X	X	X	II
Computer Aided Drafting II (CAD II)		X	X	X	II
Honors Architecture I			X	X	III
Honors Architecture II				X	III
Honors Engineering I			X	X	III
Honors Engineering II				X	III
Robotics					
Robotics I	X	X	X	X	II
Robotics II		X	X	X	II
Robotics III	Projected Future Course Offering				

School of Media Arts



Career Cluster: <i>Arts, A/V Technology & Communications</i>	Allows you to apply your creativity in a variety of areas including film, television, ...				
Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
Media Technology I	X	X	X	X	II
Media Technology II		X	X	X	II
Broadcast News Production			X	X	II
Entertainment Media			X	X	II
Television & Video Production				X	II
Journalism	X	X	X	X	II
Journalism Lab		X	X	X	II

Elective Offerings in Career & Technical Education

Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
Clothing Construction					
Clothing Construction I	X	X	X	X	II
Clothing Construction II		X	X	X	II
Clothing Construction III			X	X	II
Clothing Construction IV				X	II
Construction					
Woodworking I	X	X	X	X	II
Woodworking II		X	X	X	II
Woodworking III			X	X	II
Woodworking IV				X	II
Education					
Child Development		X	X	X	II
Adv. Child Development			X	X	II
Finance					
Personal Financial Literacy*			X	X	II
Information Technology (IT)					
Video Game Design & Programming I	X	X	X	X	I
Video Game Design & Programming II		X	X	X	II
STEM					
Technology I	X	X	X	X	II
Technology II		X	X	X	II
Technology III			X	X	II

All Career & Technical Education courses meet the state requirement for 21st Century Life & Careers or Career and Technical Education

Please see course listings for required prerequisites.

All courses are designed to meet the NJ Student Learning Standards for Career and Technical Education.

Intro. to Accounting I*

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Students will receive an overview of how to keep business financial records, as well as personal financial records. Accounting I includes the use of journals, ledgers, worksheets, and financial statements. Practice sets will give students the opportunity to apply what they have learned in class. In addition, students will have hands on experience with the computer software programs ***Automated Accounting*** and ***Excel***. Accounting I also focuses on Personal Financial Literacy skills that are so essential to all citizens. Some of the topics that will be investigated include: saving and investing, planning for retirement, managing credit, identity theft and consumer fraud. Students who complete Accounting I will fulfill the 2.5 credit Personal Financial Literacy requirements for graduation. Accounting I is strongly recommended for any student, especially those planning to major in business in college or manage a business.

Accounting II

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Accounting I

Accounting II is a continuation of Accounting I. It provides students with advanced accounting study and will emphasize the use of an automated system using the accounting computer applications ***Automated Accounting and Excel***. Accounting II students will complete several computerized business simulations. Instruction will include accounting for corporations, as well as tax form preparation and the analysis of business financial statements. This advanced course is recommended for any student who is planning to major in business in college, as well as anyone planning to own or manage a business.

Accounting III

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisite: Accounting II

Completion of this course will prepare students for any business-related college major. Completion will also help students secure an entry-level position in a business using accounting skills. Accounting III provides a review of fundamental accounting principles and covers the more complex mechanics of accounting including departmentalized accounting, accounting adjustments and valuation along with corporate and management accounting. Students will complete an automated simulation for a departmentalized business organized as a corporation. Exposure to real-world business scenarios and their possible economic implications are a part of this course.

Honors Accounting IV

Length: Year

Credits: 5

Grade Level: 12

Prerequisite: Accounting III

This course is the last in the accounting sequence. It prepares students for college courses in business-related areas and can assist them in securing an entry level business position through the accounting skills required. There is a great deal of independent and group learning that focuses on problem solving and requires critical thinking. This course will focus on corporate, management and manufacturing cost accounting. Students will use Automated Accounting to complete simulated accounting scenarios. Discussions centered on current real world business happenings and their potential impact to organizations will be a part of the course.

Personal Financial Literacy*

Length: Year

Credits: 5

Grade Level: 11, 12

NOTE: 9th graders can meet this state requirement by selecting either Intro. to Marketing I, Intro. to Accounting I, or Intro. to Global Logistics I.

This course will teach students how to apply reliable information and systematic decision making to personal financial decisions. Students will learn how to use a career plan to develop personal income potential, organize personal finances, use a budget to manage cash flow, and how to maintain creditworthiness and manage debt. In addition, students will learn how to use appropriate and cost-effective risk management methods and learn how to implement a diversified investment strategy that is compatible with personal goals.

Intro. to Logistics I*

Length: Year

Credits: 5

Grade Level: 9

The first course in an exciting 4-year sequence, this course engages students in solving contextual problems related to the concepts of supply chains, warehouse location, contingency planning, insourcing and outsourcing, and expanding existing supply chains. These concepts form the basis of global logistics and supply chain management and help students understand how professionals examine options to maximize the use of resources across distribution networks.

Robotics I

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

In this class students will explore the field of robotic design using a variety of hands-on activities. Students begin the course with an introduction to the tools used to create robotic devices. Working in teams, students will create simple drive trains capable of movement through radio-operated interaction. Programming learned by the students will be used to work the onboard micro-processor to control the functions of the robot. Mechanical concepts such as gearing, torque, speed, and power will be used to design and build custom drive trains capable of meeting a variety of criteria including climbing, pushing, attaining maximum speed, etc.

Robotics II

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Robotics I

In this class, students will explore the field of robotic design using complex hands-on activities. The First Tech Challenge, a sports-like robotics competition, is the framework for the class, and students enrolled in Robotics II are highly encouraged to join the extra-curricular FIRST Tech Challenge Robotics Team. Working in teams, students will use CAD to design their robots using 3D printed materials, metal and other innovative materials. Students will program the robots to utilize sensors to complete complex autonomous tasks. Students will also work in teams to drive the robots using android devices and game controllers. Class time will be devoted to planning and strategizing for the annual FTC game. The class will also document their process in an engineering notebook while promoting STEM, robotics and FIRST (For Inspiration and Recognition of Science and Technology) through marketing and community outreach campaigns.

Video Game Design and Programming I

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

This course is an introduction to the theory and practice of video game design and programming. Video game programming is one of the most challenging disciplines in Computer Science because it attempts to combine, in real time, concepts in: computer graphics, human computer interaction, networking, artificial intelligence, computer aided instruction, computer architecture, and databases. In this course students will develop computer programming and computer graphics knowledge by learning the basics of the video game design. Students will learn the core features of video games and use a variety of computer applications to develop an educational video game by the end of the course.

Video Game Design and Programming II

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Video Game Design & Programming I

This course is a continuation of Intro to Video Game Design and Programming I. Students will utilize real-world processes used by today's video game studio 3D modelers and programmers. In this course students will plan and design a project through hands-on experiences resulting in a 3D educational video game by the end of the course.

Intro to Marketing Education I*

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

The key elements of the Marketing Education I curriculum are the functions of marketing, employment skills, computer training in business and employment related applications (word processing, spread sheets, desktop publishing), and personal development related to the student's role in the business community. Projects and role-playing are key instructional techniques used to give students an opportunity to practically apply what they learn. Students are given the opportunity to join DECA and attend its competitions (see DECA).

Marketing Education II

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisite: Marketing Education I

This course is recommended for students who are considering majoring in Business in college. This course will prepare students for college level business curricula and introduce students to marketing related careers. Course elements include advanced marketing concepts, entrepreneurship, international marketing, management training, computer training (*Excel* spreadsheet, PowerPoint presentations, and Internet marketing), business law, and team training. Students will learn team related skills and business ethics as well as develop personal survival skills.

Marketing Education III

Length: Year

Credits: 5

Grade Level: 12

Prerequisite: Marketing Education II

This third-year Marketing course will give students the opportunity to complete various types of business plans including marketing research, analysis of the business opportunity, type of ownership, marketing planning, financial planning and International business studies. Students will learn the factors that a business owner must consider such as a study of demographics, legal requirements, financial considerations and operational functions. Students are given the opportunity to join DECA and attend its competitions (see DECA).

DECA is an international organization for students enrolled in Marketing Education and related programs. Students may join DECA by paying a membership fee to the State and National associations. By participating in DECA, students can explore career interest and develop employment skills.

DECA holds conferences on the regional, state and national levels. At these conferences students compete in a marketing-related occupational category to determine their level of competency based upon industry standards. Students will compete by performing role-playing events in their selected category. They will also interact with members of the business community currently working in this field. At the conclusion of each role-play event, the member of the business community serves as the judge and rates each student's performance.

Students in the following courses are eligible for DECA: Marketing Education I, II and III and Accounting II, III, and IV.

Technology I

Length: Year Credits: 5
Grade Level: 9, 10, 11, 12

This entry-level course into technology is designed to introduce students to systems of technology in the home and workplace. Hands-on activities using tools, machines, materials, and state of the art equipment (computers, robots, and pneumatics) will allow the students to explore several technological areas. Using a design and problem solving approach, students will be asked to research and find solutions to problems dealing with production, robotics, transportation, communication, construction, power and energy, biotechnology, etc. The course will also acquaint the students with the impacts, resources, and control of technology, as well as an awareness of consumerism and related careers in a technical society.

Technology II

Length: Year Credits: 5
Grade Level: 10, 11, 12

Prerequisite: Technology I

This course is designed to develop critical thinking skills that help students to creatively apply their knowledge to solving problems. Students will be involved in hands-on experiments designed to simulate workplace decision-making skills. Some of the topics will include the evolution of technology, design and problem solving process, and the systems approach to understanding technology. Students will be able to explore various areas of technology, including communication, lasers, energy and power, and transportation.

Technology III

Length: Year Credits: 5
Grade Level: 11, 12

Prerequisite: Technology II

This course is an extension of Technology I and II giving the advanced student extensive practical application in the fields of basic robotics, transportation, energy, communications, biotechnology, and construction. Using a design and problem-solving approach, students will be able to find solutions to various situations related to the field of engineering through the application of long-term projects.

Media Technology I

Length: Year Credits: 5
Grade Level: 9, 10, 11, 12

This elective course in television/video production is designed to introduce students to systems of media communication technology. Students will perform hands-on activities using state of the art machines and materials (television cameras, professional editing machines and software, audio equipment, digital switches, mixers, computer-aided graphics, computer animations, etc.) which will allow students to explore various areas of media technology. Students interested in performing in front of the camera, and/or behind it, and who wish to understand the process of putting on a television show will find the course beneficial and rewarding.

Media Technology II

Length: Year Credits: 5
Grade Level: 10, 11, 12

Prerequisite: Media Technology I

Media Technology II is an advanced course dealing with the world of video, television, film, and their related careers, and technical equipment. The course provides experience in oral presentations, dramatic presentations, and media understanding. Students are expected to perform all of the functions related to the operation of a video and studio production to include performing, directing editing, and sound mixing. The primary instruments for learning these skills are the production of a long-term project for broadcast on the school's closed circuit system and the production of special projects. Students with a final grade of 85 or higher in Media I and II are eligible for 3 college credits through Rider University's PASS Program. Other colleges and universities may transfer Rider PASS credits based on their own transfer policies.

Entertainment Media

Length: Year Credits: 5
Grade Level: 11, 12
Prerequisite: Media Technology II

Students interested in performing in front of the camera, or behind it, and who wish to understand the process of Entertainment Media as a career will find this course beneficial and rewarding. The course is designed to give students an opportunity to study the field of entertainment production and the business side of filmmaking. Students will perform hands-on activities using state-of-the-art equipment and materials enabling them to explore various aspects of filmmaking.

Broadcast News Production

Length: Year Credits: 5
Grade Level: 11, 12
Prerequisites: Media Technology II

Broadcast News Production is an advanced course where students learn the fundamentals of broadcast journalism, as they create, research, film and edit news packages for production of the View News and the local cable access program. Students will utilize critical skills in the creation of high-interest, original stories. Similar to news professionals, students will contact and interview members of the school and community. Students will be organized into production teams with roles of executive producer, director, segment producers, reporters, cameramen, and editors. This course is designed for students who are interested in performing in front of the camera or operating behind it as they learn the process of broadcast media communication. Major goals of the program are for the students to acquire the ability to view media in a critical manner and to explore the impact of media on society.

Television & Video Production

Length: Year Credits: 5
Grade Level: 12
Prerequisites: Broadcast News Production or Entertainment Media

This course is designed for the student who is interested in pursuing advanced level training in electronic media. The student will be required to apply his/her previously acquired skills in developing individualized projects, including movie making, a cable news program, and news editing. Through a variety of individual and cooperative learning activities, the student will achieve competency in the area of television news programming.

Journalism

Length: Year Credits: 5
Grade Level: 9, 10, 11, 12

This class is the foundation for the Journalism program. This year-long course is open to students in grades 9 through 12. Students will be introduced to journalistic writing skills,

desktop publishing, broadcast journalism, creative writing for the literary magazine, and yearbook design and layout. Students taking this class should have a strong interest in a variety of writing styles, basic key-boarding skills, enjoy working in cooperative groups, and enjoy the challenge of public speaking. Students will learn how to utilize *Adobe In Design CS4* and *Photoshop 6.0*.

Journalism Lab

Length: Year Credits: 5
Grade Level: 10, 11, 12
Prerequisites: Journalism

This class builds on the skills started in Journalism I. Students must be skilled in word processing and desktop publishing since this class will publish the high school newspaper. After school meetings will be required at deadline times. Additionally, students will build a personal portfolio, containing a variety of journalistic pieces as well as creative works including poetry, short stories, one act plays, and biography or autobiography.

Computer Aided Drafting I (CAD I)

Length: Year Credits: 5
Grade Level: 9, 10, 11, 12

This course is highly recommended for students who are interested in drawing and working with computers. Students who are searching for a future engineering or design career, such as architecture, interior design, graphic design, aerospace, and/or automotive design will find this course beneficial. Students will be introduced to the basic areas of drawing through pencil techniques, as well as the use of Computer Aided Drafting. The areas of study will include: understanding and developing two-dimensional drawings using geometric construction, basic multi-view drawings, and basic design problems. Technology Learning Activities will allow the students to utilize their drafting capabilities in a problem-solving approach.

Computer Aided Drafting II (CAD II)

Length: Year Credits: 5
Grade Level: 10, 11, 12

Prerequisite: Computer Aided Drafting I (CAD I)

This is the second year of a recommended two-year basic drawing/drafting program. Students will build upon techniques studied in Computer Aided Drafting/Drafting I. These include intermediate multi-view drawings, advanced pattern and package design/modeling, and intermediate three-dimensional drawing techniques. Students will also build upon their basic knowledge of AutoCAD with step-by-step programmed instruction. They will also be introduced to computer three-dimensional modeling techniques. Computer Aided Drafting/Drafting II will prepare students planning to take additional courses in either architecture or engineering. Technology Learning Activities will allow the students to utilize their drafting capabilities in a problem-solving approach.

Honors Engineering I

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisite: Computer Aided Drafting II (CAD II)

This advanced design course is for students interested in various engineering/design fields as a possible career. The course will include an introduction to industrial, mechanical, electrical, civil-structural and geotechnical, and aerospace engineering. Students will gain engineering experience through real-life projects for each engineering discipline. Students will use various advanced Computer Aided Design software and prototype modeling to demonstrate design solutions. Activities include Invention and patents, gear/cam development, structural models/drawings, site plan design (topography), electrical layout and symbols, 3D model design and computer animation. Students will meet engineering professionals and understand their profession from classroom presentations and professional examples. Technology Learning Activities (TLA) will allow students to utilize their design capabilities in a problem-solving approach.

Honors Engineering II

Length: Year

Credits: 5

Grade Level: 12

Prerequisite: Honors Engineering I

This course is designed to give the students an overview of several engineering disciplines. This course will prepare the students to develop a product completely from schematics to final documentation as well as marketing and presenting the product. The structure of the course will be based from a sample similar to a freshman engineering class at Rennslear Polytechnical Institute. Students will reverse engineer a chosen product and will redesign the product to meet current or future trends in design and technology. Students will create market surveys, presentations, complete product documentation for the product to be manufactured accurately including production drawings.

Honors Architecture I

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisite: Computer Aided Drafting II (CAD II)

This course is for students who plan to design or redesign their home, study architecture or interior design, enter a construction trade, or for anyone who enjoys designing. Its scope is to develop a general knowledge of architectural history and style, spatial relationships and design, and construction detailing. The students will design and develop a set of working drawings. They will act in the role of an architect and will choose a client and design a house using Auto CAD, a computer aided design applications. In addition to these plans, the students will learn basic building codes and principles that will be applied to their designs. Methods of learning will include class discussion, reference

material, professional examples, and Computer Aided Drafting.

Honors Architecture II

Length: Year

Credits: 5

Grade Level: 12

Prerequisite: Honors Architecture I.

This course is designed for students interested in architecture, interior design, becoming a builder and trades person, or for someone who will own a home in the future. This course will prepare the students who are planning to study Architecture at the college level and pursue a career in architecture. It will prepare them for the rigors and higher end design problems of a freshman/sophomore year in an architectural professional degree program.

Culinary Arts I

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Culinary Arts I is an introduction to foods and all aspects of the kitchen including safety, sanitation, food terms, the use of small equipment and appliances, food preparation tools and basic cooking/baking skills. Students will explore various ingredients such as but not limited to dairy, eggs, poultry, and yeast and use basic kitchen equipment to prepare appetizers, desserts, main dishes and so much more. An introduction to basic nutrition and cake decorating will also be taught.

Cultural Foods

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Culinary Arts I

Students will take a culinary tour of the United States and abroad. This course will provide students with an understanding of regional ingredients and traditional foods. History, immigration influences, historic landmarks and local cuisines will be studied. Students will learn how to prepare international foods such as homemade Italian pasta, French desserts, Mexican appetizers, Chinese stir fry, German Spaetzle and American staple foods such as fried chicken, biscuits, pumpkin pie and California fusion cuisine.

Culinary Arts II

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Culinary Arts I

Culinary Arts II is a course that focuses on advanced techniques and food preparation. Students will use Culinary Arts I as a foundation for this class. Culinary Arts II will focus on a variety of food categories such as, but not limited to, (dairy, meat, poultry, fondue, chocolate, garnishing, salad and fruits/vegetables). Advanced techniques in food

preparation and presentation will be incorporated into all labs. Advanced cake decorating and large scale gingerbread house construction will be taught. Healthy food preparation techniques, nutrition, and healthy eating habits will also be taught.

Culinary Arts III

Length: Year Credits: 5

Grade Level: 11, 12

Prerequisite: Culinary Arts II

Culinary Arts III is a course that focuses on commercial foods. This course will provide a thorough knowledge of the principles, practices and scope of food preparation. Students will prepare various dishes and meals with commercial preparations in mind. They will learn proper presentation of foods using color and garnishing. Quantity food preparation/catering will be experienced as well. Aspects of the food service industry will be explored. Advanced nutritional lessons will also be incorporated into the labs and classroom lessons.

Clothing Construction I

Length: Year Credits: 5

Grade Level: 9, 10, 11, 12

Basic clothing construction techniques are developed through the construction of projects. No sewing experience is necessary! Emphasis is placed on safe and correct procedures when using tools and equipment. Students learn how to sew projects such as an apron, pajama pants, a pajama shirt, a tote bag, and a pillow pet.

Clothing Construction II, III, IV

Length: Year Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Clothing Construction I

This course is designed for students who have successfully completed the prior level of Clothing Construction I, II, or III. This course will build upon the knowledge, skills & creativity acquired in previous Clothing Construction levels. Emphasis will be placed on the student *independently* following pattern manufacturers' instructions to construct two different projects (of their choice) each marking period.

Child Development

Length: Year Credits: 5

Grade Level: 10, 11, 12

This course is designed for students interested in learning how to understand and work with children. Students will study the stages of child development from age three to six. Students will also gain knowledge in sound parenting skills. Practical experience will be achieved by working with children ages two and a half through five in our on-site pre-school lab. Students are required to prepare and develop lesson plans. They will be expected to team-teach and solo-

teach the children in the on-site pre-school using their own or previously submitted lessons.

Advanced Child Development

Length: Year Credits: 5

Grade Level: 11, 12

Prerequisite: Child Development

This course is designed for students interested in working with children as a future profession. The students will work with children ages two and a half through five and examine the theories of child development from ages one through three. They will be required to observe and teach children in our on-site pre-school. Each student is expected to plan, develop, and teach their own lessons throughout the course.

Woodworking I

Length: Year Credits: 5

Grade Level: 9, 10, 11, 12

This entry-level course will be the student's first chance to get involved in the creative world of woodworking. Students will be introduced to woodworking hand tools, equipment, and techniques necessary to produce innovative, practical, and quality products. The purpose of this course is to introduce students to the design loop and problem solving processes associated with the area of woodworking and production techniques. Activities will involve real-life situations and problems that place the student in the roles of researcher, designer, fabricator, tester, and evaluator. Emphasis is placed on the ability to find multiple solutions to problems. The class will assume responsibilities of various divisions of a company, and a product will be chosen. The class, acting as a "company," will provide and market the product.

Woodworking II

Length: Year Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Woodworking I

This course is designed as an introduction to the advancing world of construction and the art of woodworking. It will not only offer the student the basics in woodworking, but cover a number of areas in construction such as masonry, drywall, electricity, and carpentry using both emerging building materials and techniques. This course should prove to be an enjoyable and interesting experience with a great deal of hands-on activities and real-life problem solving.

Woodworking III

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisites: Woodworking II

This course is an intermediate course in woodworking developed to expose students to the world of materials fabrication, craftsmanship, and the construction industry. Students will plan and build individual and group projects utilizing all the concepts of the design loop process and incorporate problem solving techniques. This course will also acquaint the student with the impacts, resources, and tools of technology, as well as an awareness of consumerism and related careers in a technical society.

Woodworking IV

Length: Year

Credits: 5

Grade Level: 12

Prerequisites: Woodworking III

This is an advanced course in the art of woodworking. Students will design, plan, and construct individual and group projects. Experiences will be gained in the safe and proper use of all wood lab hand tools and equipment. Both current and state of the art materials and practices will be emphasized throughout the course.

ENGLISH/LANGUAGE ARTS

Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
English I*	X				I
Advanced English I*	X				II
Honors English I*	X				III
English II*		X			I
Advanced English II*		X			II
Honors English II*		X			III
English III*			X		I
Advanced English III*			X		II
Honors English III*			X		III
English IV*				X	I
Advanced English IV*				X	II
Honors English IV*				X	III
Shakespearean Readings/English IV*				X	II
AP Language & Composition*			X	X	III
AP Literature & Composition*			X	X	III
<i>Please see course listings for required prerequisites.</i>					
Poetry Workshop	X	X	X	X	II
Humanitarian Studies		X	X	X	II

All courses are designed to meet the New Jersey Student Learning Standards for English Language Arts.

**Summer Assignments required*

English I

Length: Year
Grade Level: 9

Credits: 5

This course is designed to serve as an introduction to literature and its various genres. The exploration of human relationships is the common theme that students will encounter. Emphasis will be placed on a skills based approach to learning and students should expect to focus largely on the analytical writing process. Reading comprehension skills will be fostered as well as exploring the connection between literary texts. Students will be provided with templates and guides as needed and will be expected to demonstrate independent learning using these tools by the end of the course. Summer reading will be emphasized in the first marking period.

Advanced English I

Length: Year
Grade Level: 9

Credits: 5

This course is designed to support students as they refine critical reading, writing and thinking skills. This course will expose students to various compositional techniques through the exploration of human relationships common in literature. Emphasis will be placed on thematic units that will include the study of myths, epics, poetry, short stories, novels, and essays. Reading comprehension skills will be fostered as well. Students will complete a literary research paper.

Honors English I

Length: Year
Grade Level: 9

Credits: 5

Prerequisites: Prior achievement in Eighth grade English

This course is designed to serve the motivated and academically excellent student. This is a writing intensive course that will focus on independent assignments in addition to the regular course work. The exploration of human relationships is the common theme that students will encounter. Emphasis will be placed on thematic units that will include the study of myths, epics, poetry, short stories, novels, and essays. Reading comprehension skills will be fostered as well. Students will complete a literary research paper.

English II

Length: Year
Grade Level: 10

Credits: 5

English II is an international literature course designed to expose students to the global community through the exploration of literature from around the world. Students will study poetry, short fiction, novels, and drama, while tracing the evolution of certain themes common to the human condition. This course has a strong concentration in writing and continues to develop an appreciation for literary

study. A literary research paper is a requirement of the course.

Advanced English II

Length: Year
Grade Level: 10

Credits: 5

This course is designed to support students as they refine critical reading, writing and thinking skills. English II is an international literature course designed to expose students to the global community through the exploration of literature around the world. Students will study poetry, short fiction, novels, and drama, while tracing the evolution of certain themes common to the human condition. This course has a strong concentration in writing and continues to develop an appreciation of literary study. A literary research paper is a requirement of the course.

Honors English II

Length: Year
Grade Level: 10

Credits: 5

Prerequisites: Honors English I or prior achievement in Advanced English I

Honors English II is an international course designed to expose students to the global community through the exploration of literature from around the world. Students will study poetry, short fiction, novels, and drama while tracing the evolution of certain themes common to the human condition. Students are expected to read at least five selected independent novels during the year. It is a writing intensive course that will prepare students for AP classes. This course has a strong concentration in writing and continues to develop an appreciation for literary study. A literary research paper is a requirement of the course.

English III

Length: Year
Grade Level: 11

Credits: 5

This course of study is designed to provide an appreciation and understanding of the American experience through exploration of American literature. Various thematic units will present different perspectives on The American Dream, focusing on economic/racial/socio-political experiences. This writing intensive course addresses verbal development and critical thinking skills. Research papers and group projects are completed during this course. Summer reading may be a requirement.

Advanced English III

Length: Year
Grade Level: 11

Credits: 5

This course is designed to support students as they refine critical reading, writing, and thinking skills. Students may examine writing and reading through a seminar approach in this course. Students will explore the American experience through an exploration of American Literature. Various

thematic units will present different perspectives on *The American Dream*, focusing on economic/racial/ socio-political experiences. This writing intensive course addresses verbal development, research composition and group projects are completed during this course. SAT preparation is integrated authentically.

Honors English III

Length: Year

Credits: 5

Grade Level: 11

Prerequisites: Honors English II or prior achievement in Advanced English II

This course of study is designed to provide an appreciation and understanding of the American experience through exploration of American literature. Various thematic units will present different perspectives on The American Dream, focusing on economic/racial/socio-political experiences. Students are expected to complete a minimum of five independent texts, in addition to the regular course work. Research papers and group projects are completed during this course.

English IV

Length: Year

Credits: 5

Grade Level: 12

This course is structured to reflect the 21st Century approach to learning in a semester and seminar approach. This senior experience is designed to place students in independent instructional experiences in preparation for the transition that will occur between high school, college, and the workplace. During the first semester, students will examine their critical reading, writing, and thinking skills. Semester one is dedicated to understanding and applying literary theories introduced in English III, while students will be exposed to informational texts, short fiction, and poetry. Research assignments, media, literacy and debates will be organized for students who require opportunities to support self-directed learning. The semester will conclude with a culminating project or portfolio as documentation of personal growth. During the second semester, as students demonstrate mastery of various compositional modes and become acquainted with the prerequisites for effective discourse, they will explore longer works within a self-directed critical study of them. Text selection is focused on a variety of literature from the British Isles. Students will be expected to work independently as well as collaboratively.

Advanced English IV

Length: Year

Credits: 5

Grade Level: 12

This course is structured to reflect the 21st Century approach to learning in a semester and seminar approach. This senior experience is designed to place students in independent instructional experiences in preparation for the transition that will occur between high school, college and the

workplace. During the first semester, students will examine their critical reading, writing, and thinking skills. Semester one is dedicated to applying and analyzing literary theories introduced in English III, while students will be exposed to informational texts, short fiction, and poetry. The semester will conclude with a culminating project or portfolio as documentation of personal growth. During the second semester, as students demonstrate mastery of various compositional modes and become acquainted with the prerequisites for effective discourse, they will explore longer works within a self-directed critical study of them. Text selection is focused on a variety of literature from the British Isles. Students will be expected to work independently as well as collaboratively. Independent reading experiences may be a requirement throughout the year.

Honors English IV

Length: Year

Credits: 5

Grade Level: 12

Prerequisites: Honors English III or prior achievement in Advanced English III

This course is structured to reflect the 21st Century approach to learning in a semester and seminar approach. This senior experience is designed to place students in independent instructional experiences in preparation for the transition that will occur between high school, college and the workplace. Semester one is dedicated to applying and analyzing literary theories introduced in English III, while students will be exposed to informational texts, short fiction, and poetry. The semester will conclude with a culminating project or portfolio as documentation of personal growth. During the second semester, as students demonstrate mastery of various compositional modes and become acquainted with the prerequisites for effective discourse, they will explore longer works within a self-directed critical study of them. Text selection is focused on a variety of literature from the British Isles. Students will be expected to work independently as well as collaboratively. Students will be expected to engage in effective discourse throughout the year, while developing their metacognitive reflections in their journals or portfolios. Independent reading assignments will be incorporated through the year.

Shakespearean Readings/English IV

Length: Year

Credits: 5

Grade Level: 12

This course invites 12th grade students who enjoy reading, writing, research, and discussion to immerse themselves in the works of William Shakespeare as a concentrated focus for their final English course. This course is structured to reflect the 21st Century approach to learning in a seminar approach. This senior experience is designed to place students in independent instructional experiences in preparation for the transition that will occur between high school, college and the workplace. Those who *hate* The

Bard's works are also invited to study the life, times, and works of Shakespeare through a variety of lenses. Four plays and several sonnets will be examined as works of poetry, dramatic pieces, works of social commentary, works of complex literary structure, early psychological works, and more. This course is designed to challenge conventional beliefs, deconstruct the myth of Shakespeare, and celebrate the works of the world's greatest living playwright (who just happens to have been dead for four centuries).

AP English Language & Composition

Length: Year Credits: 5

Grade Level: 11, 12

Prerequisites: Prior achievement in Honors English courses

AP English Language is a course designed for academically excellent students. This course, taught in seminar format, is writing intensive and prepares students to write in a variety of forms on different subjects. It also emphasizes analytical reading of various texts and responding to them through complex and skilled prose. This course also prepares students to take the AP English Language and Composition Exam. All students enrolled in this class are encouraged to take this exam.

AP English Literature & Composition

Length: Year Credits: 5

Grade Level: 11, 12

Prerequisites: Prior achievement in Honors English courses

This course is designed for academically excellent students. This course is designed to foster scholarly study of literature with an emphasis on literary analysis, evaluation, and theoretical study through compositional development. This is a challenging course designed to fully engage students in literary scholarship. At least 10 independently chosen texts will be read, in addition to the study of poetry and short fiction. This course also prepares students to take the AP Literature and Composition Exam. All students enrolled in this class are encouraged to take this exam.

Poetry Workshop

Length: Year Credits: 5

Grades: 9, 10, 11, 12

This elective course will engage students in a thoughtful study of poetry. Students will read, interpret, analyze and write creatively in response to poetry composed from various literary and historical movements. This course is designed to provide students with various opportunities to explore the ways in which poetry reveals elements of the human condition. Poetry Workshop supports the development of collaborative learning groups where students work closely with their peers to understand the ways in which voice, tone and dramatic interpretation of poetry assist in the development of themes found in various

types of poems. Students will immerse themselves in the study of poetic forms and devices while compiling a writing portfolio. Students will continue to enhance their skills in close critical reading, analysis and discussion - both in oral and written form. Maturity in the organization and presentation of work will be expected.

Humanitarian Studies

Length: Year

Credits: 5

Grades: 10, 11, 12

This elective course examines innate human rights through an exploration of literature, poetry, philosophy and film. This multifaceted course will afford students the opportunity to develop a global awareness of crimes committed against humanity in an effort to promote social awareness and community activism. Students will examine the ways in which diversity and cultural studies develop social skills necessary to diffuse prejudice and discrimination. Students will participate in school and community events that will provide authentic real-world experiences that support social research and global awareness. Frequent opportunities to debate, discuss, reflect, and write for various audiences will foster 21st Century problem solving skills. Group and individual projects will be required as students investigate and study ways to approach national and global issues including, but not limited to poverty, discrimination, genocide, and inequitable educational opportunities.

Health, Safety and Physical Education

Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
Physical Education/Health	X	X	X	X	I

Physical Education Co-ed

Length: Three Marking Periods
Grade Level: 9, 10, 11, 12

Credits: 5

These courses will consist of comprehensive games and skill programs. Students will participate in team games, informal games, and recreational activities that have carry over value in adult life. Activities included are soccer, speedball, golf, flag football, volleyball, basketball, table tennis, badminton, gym hockey, track and field, tennis, aerobics, softball, and lacrosse. In addition to the identified activities, ongoing fitness, conditioning, and weight training will occur throughout the course. Emphasis will be placed on student effort, leading to skill improvement.

Students will be expected to dress properly for physical education classes, consistent with approved procedures and guidelines. The final Physical Education grade is a product of:

- Preparation: including appropriate gym uniform
- Performance and Participation
- Attitude and Effort
- Performance on assessments related to activities participated in

Health 9

Length: One Marking Period
Grade Level: 9

Students will study human sexuality, HIV/AIDS education, the understanding of death and the grieving process, and drug use/abuse. Topics in this course will be presented with the perspective of the students as adolescents beginning the transition into young adulthood.

Health 10

Length: One Marking Period
Grade Level: 10

This course deals extensively with safety: safety on the highway, general safety, and driver education. The dangers of drug abuse and HIV/AIDS are also taught as they relate to driver education.

Health 11

Length: One Marking Period
Grade Level: 11

Students will study community CPR, as well as the theory and skills of advanced First Aid, drug education, and HIV/AIDS education as it relates to CPR and First Aid.

Health 12

Length: One Marking Period
Grade Level: 12

Students will study cancer, the reproductive system, human sexuality, HIV/AIDS education, life skills, and drug education will be taught, with an emphasis on current health issues. Topics in this course will be presented with the perspective of the students as young adults preparing for life issues.

MATHEMATICS *

Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
Introduction to Algebra	X				I
Algebra I		X			I
Advanced Algebra I	X				II
Honors Algebra I	X				III
Geometry		X	X	X	I
Advanced Geometry	X	X	X	X	II
Honors Geometry	X	X	X		III
Algebra II			X	X	I
Advanced Algebra II	X	X	X	X	II
Honors Algebra II	X	X	X	X	III
Precalculus		X	X	X	II
Honors Precalculus		X	X	X	III
Honors Calculus			X	X	III
AP Calculus AB			X	X	III
AP Calculus BC				X	III
Foundations of College Mathematics				X	I
Statistics			X	X	II
Honors Statistics			X	X	III
AP Statistics			X	X	III
<i>Please see course listings for required prerequisites.</i>					

All courses are designed to meet the New Jersey Student Learning Standards for Mathematics.

*Some courses may assign summer work.

Introduction to Algebra

Length: Year
Grade level: 9

Credits: 5

This course is designed to introduce students to the fundamental concepts and applications of Algebra in a real-world context. Topics include: algebraic expressions, proportional reasoning and percents, linear equations and inequalities, graphing linear functions, order of operations, and a system of equations. Students will use graphing calculators and hands-on activities to gain an understanding of fundamental algebraic concepts and the knowledge required for Algebra I.

Algebra I

Length: Year
Grade level: 10

Credits: 5

Prerequisite: Introduction to Algebra

Students in this course will explore algebra through its relationship with geometry, the physical and social sciences, and real world situations. Topics such as systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations, radical expressions and equations, and probability will be explored. This course is designed to develop students' technological and problem-solving abilities. High school proficiency skills will be embedded within the course.

Advanced Algebra I

Length: Year
Grade Level: 9

Credits: 5

This course is the foundation for all subsequent academic mathematics courses. It is designed for students who have a solid foundation in basic arithmetic and an understanding of the real number system. Topics include: the order of operations, factoring, solving and graphing linear equations and inequalities, operations with polynomials and exponents, systems of equations and the solution of word problems using variables and mathematical relationships. There is an introduction to domain and range, and an exploration of linear and quadratic equations as functions and their inverses

Honors Algebra I

Length: Year
Grade Level: 9

Credits: 5

Prerequisites: Prior academic achievement

The same topics will be taught in Honors Algebra I as in the Advanced Algebra I course. However, there is a much greater level of rigor and challenge. The expectation is that students in an Honors course are more mathematically astute and mature, and are capable of maintaining an appropriate level of academic independence. This course is designed to prepare students to pursue additional advanced-level mathematics courses.

Geometry

Length: Year
Grade Level: 10, 11, 12

Credits: 5

Prerequisite: Algebra I

This course will emphasize and focus on in-depth problem solving skills as well as an understanding of important geometry concepts through their connection to real world applications. Topics include: properties of triangles, polygons and circles, inductive and deductive reasoning leading to the development of formal proofs, and geometric probabilities. High School proficiency skills will be embedded into the course curriculum.

Advanced Geometry

Length: Year
Grade Level: 9, 10, 11, 12

Credits: 5

Prerequisites: Advanced Algebra I OR prior academic achievement in Algebra I

The course begins with an array of terms, notations and illustrations to describe and represent geometric relationships among points, lines, planes, angles and figures, such as bisection, parallelism, perpendicularity, congruence and similarity. Students will be using and justifying mathematical reasoning by developing informal and formal proofs. Students will develop approaches to finding areas of plane figures (related to polygons and circles), and surface area and volume of three-dimensional figures.

Honors Geometry

Length: Year

Credits: 5

Grade Level: 9, 10, 11

Prerequisites: Honors Algebra I OR prior academic achievement in Advanced Algebra I

The same topics will be covered in Honors Geometry as in Advanced Geometry; however, more difficult problems and more rigorous proofs will be selected throughout the course. The expectation is that students in an Honors course are more mathematically astute and mature, and are capable of maintaining an appropriate level of academic independence. Compass and straightedge constructions will be required of the students.

Algebra II

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisites: Algebra I and Geometry

Algebra II, like Advanced Algebra II, is designed to reinforce and extend the content primarily studied in Algebra I, including: systems of equations and inequalities, quadratic, polynomial, radical, rational, exponential, and logarithmic functions. Real world situations are modeled using graphs, tables, and algebraic descriptions. The Algebra II course provides additional supports and reinforcement in organization and the fundamentals. Potentially as a student's last secondary math course, this course is designed to provide further development of the logic, reasoning, and problem-solving needed to be prepared for a career or access to college.

Advanced Algebra II

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Prerequisites: Advanced Algebra I and Advanced Geometry OR prior academic achievement in Algebra I, Geometry

Algebra II is designed to reinforce and extend the content primarily studied in Advanced Algebra I, including: systems of equations and inequalities, quadratic, polynomial, radical, rational, exponential, and logarithmic functions. Real world situations are modeled using graphs, tables and algebraic descriptions, and provide further development of students' logic and reasoning in problem-solving.

Honors Algebra II

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Prerequisites: Honors Algebra I and Honors Geometry OR prior academic achievement

The same topics will be covered in Honors Algebra II as in the Advanced Algebra II course but with greater rigor and more challenging problems. The expectation is that students in an Honors course are more mathematically astute and mature, and are capable of maintaining an appropriate level of academic independence. This course is designed for the self-motivated student of mathematics who plans to pursue additional advanced mathematics courses, including Calculus. A graphing calculator (TI-84) is recommended for this course, and all subsequent Honors courses.

Precalculus

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisites: Advanced Geometry and Advanced Algebra II

This course is designed for the mathematics student with a solid foundation in both Algebra II and Geometry. Students continue developing their mathematical reasoning through problem solving and the applications of algebraic and trigonometric functions. Emphasis is placed on independent student discovery learning and logical development of concepts. Topics covered include relations and functions, inverses, exponential and logarithmic functions, polynomial division, the rational root theorem, the unit circle, the laws of sines and the law of cosines, trigonometric equations. A graphing calculator (TI-84) is used regularly in this course.

Honors Precalculus

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisites: Honors Algebra II

This challenging course will prepare students for success in Calculus. Students will participate in a rigorous approach to the following topics: relations and functions, systems of equations, polynomial division and the rational root theorem, polynomial inequalities, as well as trigonometric functions, proofs, graphs, and equations. The expectation is that students in this course are mathematically sophisticated, and capable of maintaining a high level of academic independence. Students will be expected to maintain a brisk pace with a challenging curriculum. The problems used emphasize logical reasoning and the

applications of the mathematical content. A graphing calculator (TI-84) is used extensively in this course.

Honors Calculus

Length: Year Credits: 5

Grade Level: 11, 12

Prerequisites: Honors Precalculus OR prior academic achievement in Precalculus

Calculus is offered to college-bound students who displayed mathematical capability and success in Geometry, Algebra II, and Precalculus. Topics to be covered include slope of a curve, continuity and limits, rate of change, the derivative and its application, and the integral and its application. Although a variety of criteria will be used to evaluate achievement, grades earned will primarily be based on tests and quizzes. The purpose for using this method is to prepare students for the reality of college level assessment. A graphing calculator (TI-84) is used regularly in this course.

AP Calculus AB

Length: Year Credits: 5

Grade Level: 11, 12

Prerequisites: Honors Precalculus

AP Calculus AB is designed for the serious and motivated mathematics student who has demonstrated consistently outstanding performances in his/her high school mathematics courses. The student who enrolls in AP Calculus AB will be expected to work at a college level, with significant study and preparation outside the classroom. Students are encouraged to take the AP Calculus Exam. Successful performance on this exam may result in students earning credit, AP, or both when they enter college. A graphing calculator (TI-84) is recommended for this course.

AP Calculus BC

Length: Year Credits: 5

Grade Level: 12

Prerequisites: AP Calculus AB

In addition to a review of Calculus AB material, students will study integration by parts and partial fractions, improper integrals, Euler's method, logistic differential equations, L'Hopital's Rule, polynomial approximations and series, and the analysis of planar curves given in polar parametric and vector form. Students are encouraged to take the AP Calculus Exam. Successful performance on this exam may result in students earning credit, AP, or both when they enter college. A graphing calculator (TI-84) is recommended for this course.

Foundations of College Mathematics

Length: Year Credits: 5

Grade Level: 12

Prerequisite: Algebra I and Geometry

This course is designed to give senior students a more sophisticated understanding of the fundamentals of mathematics and basic algebra. Emphasis is on developing the connections among foundational concepts, and their applications. Students will begin with an Accuplacer-like assessment, and the results will guide the focus of instruction for the specific group of students in the class. The primary objective is to prepare students planning to attend a community college for success on the Accuplacer exam in the spring. The topics of study include: operations with fractions, ratios, and proportional reasoning, equations and inequalities, and polynomials.

Statistics

Length: Year Credits: 5

Grade Level: 11, 12

Prerequisite: Advanced Algebra II

Look at the world through a statistician's eyes, and you will be amazed at what you see. Statistics is an upper level, elective mathematics class. This course was designed to provide juniors and seniors a detailed introduction of college-level statistics, emphasizing conceptual understanding. Students will work with data collection, descriptive statistics, probability, and technological tools to analyze statistics. The main foci of the course will be exploring univariate and bivariate data, using probability theory to produce models, and making statistical summaries and conclusions. Students will describe data sets in terms of 'typical' values and spread, and work with methods of data collection, methods of determining probability, and various probabilities, and various probability distributions. Students will use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs. The course concludes with a large-scale probability project.

Honors Statistics

Length: Year Credits: 5

Grade Level: 11, 12

Prerequisite: Advanced Algebra II

Analytical skills related to data are necessary in almost every branch of collegiate study. Honors Statistics is an upper level, elective mathematics class that opens the world of data analysis to students. The same topics will be covered in Honors Statistics as in Statistics course but with greater

rigor and a quicker pace. This course is designed to provide juniors and seniors a detailed introduction of college-level statistics, emphasizing conceptual understanding. Students will follow a curriculum similar to Statistics, that extends coursework through inferential statistics. The main foci of the course will be exploring univariate and bivariate data, using probability theory to produce models, making statistical summaries and conclusions based on inferential statistics. The course also concludes with a large-scale probability project.

AP Statistics

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisites: Honors Precalculus, OR prior academic achievement in Precalculus

This rigorous college-level course provides an in-depth study of statistics for highly motivated students. Students are introduced to the major concepts and tools used for collecting, analyzing, and drawing conclusions from data. This course is recommended for students with an interest in pursuing a career that utilizes the analysis of data. Students are encouraged to take the AP Exam in May, giving them the opportunity to earn college credit. A graphing calculator (TI-84) is used regularly in this course.

SCIENCE

Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
Clearview Regional High School is proud to offer students all 7 of the College Board's AP science course offerings.					
AP Science Offerings					
AP Biology			X	X	III
AP Chemistry			X	X	III
AP Environmental Science			X	X	III
AP Physics 1: Algebra-Based	X				III
AP Physics 2: Algebra-Based		X	X	X	III
AP Physics C: Mechanics			X	X	III
AP Physics E&M (Electricity & Magnetism)			X	X	III
Chemistry Offerings					
Advanced Chemistry		X	X	X	II
Honors Chemistry		X	X	X	III
Earth Science Offering					
Earth Science		X	X	X	I
Life Science Offerings					
Biology			X	X	I
Adv. Biology		X	X	X	II
Honors Biology		X	X		III
Anatomy & Physiology I			X	X	II
Anatomy & Physiology II				X	II
Physics Offerings					
Conceptual Physics	X				I
Advanced Physics	X			X	II
Honors Physics	X			X	III
<i>Please see course listings for required prerequisites.</i>					

All courses are designed to meet the Next Generation Science Standards and applicable NJ Student Learning Standards. AP courses are designed to meet the College Board Standards.

Conceptual Physics

Length: Year
Grade Level: 9

Credits: 5

In this inquiry-based course students will learn the key concepts in physics by using the following science and engineering practices: asking questions and defining problems; developing and using models; planning and carrying out investigations; analyzing and interpreting data; using mathematics and computational thinking; constructing explanations and designing solutions; engaging in argument from evidence; obtaining, evaluating, and communicating information. Students will be provided with many opportunities to perform investigations while working with classmates to “uncover” meaning and content knowledge.

Advanced Physics

Length: Year
Grade Level: 9, 12

Credits: 5

Co-requisite: Advanced Algebra I or Honors Algebra I

This lab-based/inquiry physics course is structured so that students actively engage in scientific and engineering practices and apply crosscutting concepts to deepen their understanding of core ideas. The learning experiences provided for students will engage them with fundamental questions about the world and with how scientists have investigated and found answers to those questions. Students will carry out scientific investigations and engineering design projects related to core ideas in physics and use basic algebraic skills. The course will focus on forces and motion; types of interaction; energy; electricity and magnetism; and waves and their application.

Honors Physics

Length: Year
Grade Level: 9, 12

Credits: 6

Prerequisite: Honors Algebra I

This is a laboratory science course that incorporates advanced mathematical applications, relying on multiple representations to describe the physical world and more extensive algebraic representations. The appropriate Next Generation Science Standards will be addressed to raise the level of student discourse and develop essential scientific reasoning skills. This physics course will initiate a theme of energy that will continue in chemistry, followed by biology. The course will address the topics in mechanics, electromagnetism, and waves using an increased level of mathematical complexity and reduction of in-class guided practice.

AP Physics 1: Algebra-Based

Length: Year
Grade Level: 9

Credits: 6

Prerequisite: Honors Geometry

This algebra-based physics course covers the following topics: Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electrical circuits. Students will demonstrate their understanding through discussions, homework, classwork, labs, and oral and written reports. Students are encouraged to take the AP exam.

AP Physics 2: Algebra-Based

Length: Year
Grade Level: 10, 11, 12

Credits: 6

Prerequisite: AP Physics 1: Algebra-Based, Honors Physics, or AP Physics C: Mechanics

In this algebra-based course students will develop scientific critical thinking and reasoning skills through inquiry-based learning while exploring topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics.

Biology

Length: Year
Grade Level: 11, 12

Credits: 5

Prerequisite: Environmental Science or Earth Science

This laboratory-oriented course is divided into several units, including: various life forms, body systems, reproduction and development, relationships in the environment, and more. Throughout the course, emphasis will be placed on the importance of biology as it relates to everyday experiences. This course will fulfill the proposed state graduation requirement for a biology lab science.

Advanced Biology

Length: Year
Grade Level: 10

Credits: 6

Prerequisite: Advanced Physics

This course is a laboratory approach to the study of living things. Advanced Biology is recommended for students planning to further their education beyond high school. Aside from meeting the college requirement for a lab science, this double lab period course strengthens student’s academic bases for those pursuing careers in science-related fields. Students enrolled in this course are expected to work independently and be self-motivated.

Honors Biology

Length: Year Credits: 6
Grade Level: 10, 11

Prerequisite: Honors Physics

Pre or Co-requisite – Honors Chemistry

Honors Biology is an inquiry-based laboratory course designed for 11th graders. This course will have students uncover content in the following units to develop conceptual understandings in Biology: Evolution, Cell Structure and Function, Mitosis/Meiosis, Mendelian genetics, Transcription and Translation, and Energy Flow in Ecosystems. Students will apply the energy representations learned in Honors Chemistry and Honors Physics to biological systems. The Modeling method of instruction is consistent with recommendations from the College Board, the National Science Foundation and major research studies.

AP Biology

Length: Year Credits: 6
Grade Level: 11, 12

Prerequisites: Honors Biology AND Honors Chemistry

The AP Biology course is designed to be the equivalent of an introductory college course usually taken by science majors during their first year. Students should have demonstrated several qualities, such as interest, aptitude, creativity, motivation, and maturity. The student who selects this course should understand that the course demands time and effort well beyond that of a typical high school biology course. Students are encouraged to take the AP exam.

Earth Science

Length: Year Credits: 5
Grade Level: 10, 11, 12

Prerequisite: Conceptual Physics

Earth Science is a lab based/inquiry science course that actively engages students in scientific and engineering practices that deepen their understanding of several core ideas. The first core idea, Earth's Systems, focuses on the processes that drive Earth's conditions and its continual evolution. The second core idea, Earth and Human Activity, address society's interaction with the planet. Finally the third core idea, Earth's Place in the Universe, describes the universe as a whole and addresses its grand scale in both space and time. Students will engage in activities that explore fundamental questions about the world and how scientists have investigated and found answers to these questions.

Advanced Chemistry

Length: Year Credits: 6
Grade Level: 11, 12

Prerequisites: Algebra I AND Advanced Physics

Advanced Chemistry is a student-centered, inquiry-based course. Students will acquire a strong understanding of the

essential concepts in chemistry through experimentation and class discussions conducted through student white boarding. By acquiring evidence through historical experimentation, students will build a working model of the chemical world. Advanced Chemistry furthers the science course offerings taught through the Modeling approach, which focuses on students' development of conceptual understandings in the sciences. The Modeling method of instruction is consistent with recommendations from the College Board, the National Science Foundation, the American Chemical Society, and major research studies.

Honors Chemistry

Length: Year Credits: 6
Grade Level: 10, 11, 12

Prerequisite: Geometry, Algebra II and an honors level science course

**Algebra II may be taken concurrently*

The instruction in this course develops conceptual understanding in chemistry. Honors Chemistry incorporates advanced mathematical applications and discourse to describe the physical world, and develops essential scientific reasoning skills. The Modeling method of instruction is consistent with recommendations from the College Board, the National Science Foundation, the American Chemical Society, and major research studies.

AP Chemistry

Length: Year Credits: 6
Grade Level: 11, 12

Prerequisites: Honors Chemistry, Algebra II, Precalculus

**Precalculus may be taken concurrently*

The AP Chemistry course is designed to be the equivalent of an introductory college course usually taken by science majors during their first year. The course will contribute to the development of the students' ability to express ideas with clarity and logic, both orally and in writing. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermal dynamics will be presented in considerable depth. A great deal of time will be spent on chemical calculations, and mathematical formulations of principles of chemistry. The advanced work in chemistry should not displace any other part of the student's science curriculum. It is recommended that a student have a course in high school physics and a four-year college prep program in mathematics. Students are encouraged to take the AP exam. Summer work required.

AP Environmental Science

Length: Year Credits: 6
Grade Level: 11, 12

The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to

identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The course is interdisciplinary and embraces a wide variety of topics from different areas of study. There are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. The following themes provide a foundation for the structure of the course: science is a process, energy conversions underlie all ecological processes, the Earth itself is one interconnected system, humans alter natural systems, environmental problems have a cultural and social context, and human survival depends on developing practices that will achieve sustainable systems. Students are encouraged to take the AP exam.

AP Physics C: Mechanics

Length: Year Credits: 6
Grade Level: 11, 12

Prerequisites: Honors Physics or AP Physics 1, and Calculus

**Calculus may be taken concurrently*

The student in AP Physics C will be expected to work at a college level. Topics such as kinematics; Newtonian mechanics; momentum; energy; equilibrium; rotational mechanics; gravitation; and wave motion will be investigated in considerable depth. Students will demonstrate their understanding through discussions, homework, classwork, labs, and projects. A calculus background is required. Students are encouraged to take the AP exam.

Anatomy & Physiology I

Length: Year Credits: 5
Grade Levels: 11, 12

Prerequisite or Co-requisite: Advanced Biology OR Honors Biology

This elective course will focus primarily on the human body and its systems. It will examine the structure and functions of the body and the mechanisms for maintaining homeostasis within it. Areas of study include, but are not limited to: cells, tissues; skeletal, muscular and nervous systems; endocrine, cardiovascular, respiratory, digestive and reproductive systems. Concepts to be covered include, but are not limited to: development, metabolism, and balance. The course will cover current events in the fields of science that relate to humans on a physiological level. Anatomy and Physiology will benefit students who are interested in pursuing an education in the science field.

Anatomy & Physiology II

Length: Year Credits: 5
Grade Level: 12

Prerequisite: Anatomy and Physiology I

The course will cover current events in the fields of science that relate to humans on a physiological level. It will focus primarily on the human body and its systems. It will examine the structure and functions of the body and the mechanism for maintaining homeostasis within it. Areas of study will include, but not be limited to: cells, tissues, and the following systems: respiratory, lymphatic endocrine, digestive, urinary, and reproductive. Fetal development and embryology will also be covered. The content will be centered on the key concepts of development, metabolism, and balance. Anatomy and Physiology II will benefit students who took an interest in Anatomy and Physiology I and want to pursue an education in this science field.

AP Physics E&M (Electricity & Magnetism)

Length: Year Credits: 6
Grade Level: 11, 12

Prerequisite – Honors Physics or AP Physics I, and Honors Calculus or AP Calculus AB (may be taken concurrently)

In this calculus-based course, students will develop scientific critical-thinking and reasoning skills through inquiry-based learning, while exploring topics such as: electrostatics, conductors, capacitors and dielectrics; electric circuits; magnetic fields; electromagnetism. Understanding these concepts through calculus gives students a complete understanding of electricity and magnetism, sufficient for preparation for college STEM majors and careers.

SOCIAL STUDIES

Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
World History	X				I
Advanced World History	X				II
Honors World History	X				III
US History I		X			I
Advanced US History I		X			II
Honors US History I		X			III
US History II			X		I
Advanced US History II			X		II
Honors US History II			X		III
AP US History **			X	X	III
AP European History**			X	X	III
Honors Economics*	X	X	X	X	III
Sociology			X	X	II
AP US Government & Politics**			X	X	III
Contemporary America				X	II
Intro. to Psychology				X	II
AP Psychology**				X	III

**This course meets the State requirement for financial, economic, business and entrepreneurial literacy.
Please see course listings for required prerequisites.*

All courses are designed to meet the New Jersey Student Learning Standards for Social Studies. AP courses are designed to meet the College Board Standards.

***Summer Assignments are required*

World History

Length: Year
Grade Level: 9

Credits: 5

World History is a full-year survey course designed for ninth grade students. Its focus is the diverse social, economic, and political concepts resulting from the interaction of cultural groups. Specific historical periods will be studied, beginning with the key events and effects of the Renaissance. The themes of the course will include continuity and change, geography and history, religions and value systems, technology, art, and literature. The goal of the course is to help students understand how the complex world came to be and the course of events that led to current concerns and issues affecting the world today.

Advanced World History

Length: Year
Grade Level: 9

Credits: 5

Prerequisites: Prior academic achievement in 8th grade Social Studies

The content and time periods examined are the same as described in World History, but the instructional pace is more rigorous and is designed to prepare students for Advanced United States History I and II.

Honors World History

Length: Year
Grade Level: 9

Credits: 5

Prerequisites: Prior academic achievement in 8th grade Social Studies

The content and time periods examined are the same as described in World History and Advanced World History, but the instructional pace is more rigorous and is designed to prepare students for Honors United States History I, II and AP United States History as a junior or senior year elective.

United States History I

Length: Year
Grade Level: 10

Credits: 5

Prerequisite: World History

This course is a survey of United States history from the Post-Revolutionary War to World War I. Special emphasis will be placed on the growth of the United States, the various cultural groups, and their impact on the development of the United States. This course, the advanced course or the Honors course is required of all students.

Advanced United States History I

Length: Year
Grade Level: 10

Credits: 5

Prerequisites: Advanced World History or prior achievement in World History

The content and time periods examined are the same as described in United States History I, but the instructional pace is more rigorous and is designed to prepare students for Advanced United States History II. This course is for students of high academic ability, emphasizing concepts and trends, as well as facts. Challenging assignments are designed to develop writing and reading skills in preparation for college.

Honors United States History I

Length: Year
Grade Level: 10

Credits: 5

Prerequisites: Honors World History or prior achievement in Advanced World History

The content and time periods examined are the same as described in United States History I, but the instructional pace is more rigorous and is designed to prepare students for Honors United State History II. This course is for students of high academic ability, emphasizing concepts and trends, as well as facts. Challenging assignments are designed to develop writing and reading skills in preparation for college.

United States History II

Length: Year
Grade Level: 11

Credits: 5

Prerequisite: US History I

This course is a survey of United States History in the twentieth and twenty-first century beginning with the post-World War I era to the present day. The development of the United States as a world power and the rapid changes in American society will be emphasized.

Advanced United States History II

Length: Year
Grade Level: 11

Credits: 5

Prerequisites: Advanced US History I or prior achievement in US History I

The content and time periods examined are the same as described in United States History II, but the instructional pace is more rigorous and is designed to better prepare students for college. This course is for students of high academic ability, emphasizing concepts and trends, as well as facts. Challenging assignments are designed to develop writing and reading skills.

Honors United States History II

Length: Year

Credits: 5

Grade Level: 11

Prerequisites: Honors US History I or prior achievement in Advanced US History I

The content and time periods examined are the same as described in Advanced United States History II, but the instructional pace is more rigorous and is designed to better prepare students for college. This course is for students of high academic ability, emphasizing concepts and trends, as well as facts. Challenging assignments are designed to develop writing and reading skills.

****AP United States History***

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisites: Prior achievement in Honors Social Studies

United States History, AP is an elective course offered to juniors and seniors with superior academic ability and a genuine interest in history. This course will include independent study, extensive outside reading, research, writing, and seminar discussions as course requirements. Additionally, this course will offer students the opportunity to earn college credit and replace the US II requirement for juniors. Enrollment in 11th or 12th grade English Honors or AP is also strongly advised because of the rigorous nature of the course and the need for superior reading comprehension. All students will be encouraged to take the AP exam in May.

****Students in Grade 11 may select AP US History to replace their Honors US History II requirement for graduation. This course may also be taken as an elective in grade 12.***

AP European History

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisite: Prior achievement in Honors Social Studies

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse.

In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history; (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

Honors Economics

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Prerequisite: Prior achievement in Honors Social Studies

This challenging honors academic elective, meets the NJ state requirement for Personal Financial Literacy. It is designed for college bound students who are planning for such majors as business, economics, accounting, finance, math, advertising, marketing, history, law, political science or education, as well as those who aspire to be the owner/operator of their own business or non-profit organization. The instructional pace is rigorous and students will be expected to have a strong background in independent reading and analysis, note-taking, research and writing, study skills and work ethic. Honors Economics will require daily attention outside of class to financial current events from financial news sources such as *The Wall Street Journal*, *Market Place Radio Report*, *the Economist Magazine* and the nightly financial news updates. There will be a strong emphasis on 21st Century skills, including problem solving, group presentations, discussion, debate and critical thinking. The course will provide instruction in the principles of economic analysis and institutions with regard to their impact on financial markets, and issues of public policy. Economic concepts will be applied to real-world situations. Topics of study will include current economic conditions, monetary and fiscal policy, cost/benefit analysis, supply and demand, the role of labor, business and government in our economy and global trade.

Sociology

Length: Year

Credits: 5

Grade Level: 11, 12

This course will provide students with an introduction to the content, methods, and theory of the social science of sociology. It will provide students with broad knowledge, skills, and background desirable for future careers in law, social work, social research, advertising, journalism, industrial management, education, psychology, and political science. Students will learn the structure and evolution of culture along with analysis of culture's effects on individual personality development, the socialization process, their formation and how they interact. It will address an analysis of current social topics including changing family structures, stages of social development, the criminal justice system, racial, ethnic and gender roles, the role of the media, and other current issues facing today's citizens.

AP US Government & Politics

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisites: Prior achievement in Honors Social Studies

This course will give students an analytical perspective on government and politics in the United States. It includes both the study of general concepts used to interpret United States politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute United States politics. Topics include constitutional underpinnings, political parties, interest groups, and mass media; institutions of national government; public policy; civil rights and civil liberties.

This course will offer students the opportunity to earn college credit. Owing to the fast paced nature of the course, a superior reading comprehension level is needed. Enrollment in 11th or 12th grade Honors English or AP is also strongly advised. All students will be encouraged to take the AP exam in May.

Contemporary America

Length: Year

Credits: 5

Grade Level: 12

Prerequisites: US History I and US History II

The core of this course is contemporary American History beginning with the end of the Vietnam War and Watergate to present. Emphasis is placed on political movements, leaders, legal issues, foreign affairs, national and international conflicts and their resolutions, and social issues such as ideas about rights and equality and the changing structures of gender, class, and race. World Geography is also applied to these areas with special attention given to the Middle East, Asia, and Europe. Current events are a component of this course through the use of various periodicals and online sources. Students will also debate the social issues that are currently being examined by our society.

The student who enrolls in this course will be expected to work at a college level. The class will move very quickly, requiring students to complete independent work. As a communications intensive subject, students will be expected to engage intensively with the material through frequent oral and written exercises. Students will sometimes be required to debate issues on an unbiased level that may conflict with personal beliefs. Students will also be required to discuss controversial and sometimes sensitive topics.

Introduction to Psychology

Length: Year

Credits: 5

Grade Level: 12

This course is an introduction to the study of social psychology. The purpose of this course will introduce students to the many fields of psychology, including diverse personality theories human behavior, human development, psychological disorders and therapies, etc. These topics will be analyzed and evaluated in order to better understand social interaction and behavior. An investigation of individuals with physical and psychological disabilities, with the hope of improving understanding and acceptance, will be conducted. In addition, the course will incorporate and emphasize current psychological research and its contribution to the various fields of psychology. Self-esteem activities and social skills development will be the emphasis of this course.

AP Psychology

Length: Year

Credits: 5

Grades Level: 12

AP Psychology is an elective course offered to seniors who wish to complete a high school course that is equivalent to an introductory college course in Psychology. This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to psychological facts, principles, and phenomena associated with each of the major sub fields within psychology. Students also will learn about ethical issues and research methodology that psychologists incorporate in their science and practice. Students will be provided with numerous opportunities to apply psychological concepts, theories, and methods to real-life situation, as well as in student-created and designed experiments. Students interested in this course should have a strong academic background in English and/or History. Students will be expected to accept the rigorous academic challenges of an AP course by being highly motivated and dedicated to work well independently outside of the classroom. Students will be encouraged to take the AP exam in the spring.

VISUAL & PERFORMING ARTS

Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
Experiences in Art	X	X	X	X	II
Art I	X	X	X	X	II
Art II		X	X	X	II
Art III			X	X	II
Honors Art III			X	X	III
Honors Art IV				X	III
AP Studio Art*				X	III
Photography/Drawing and Painting		X	X	X	II
Concert Choir	X	X	X	X	II
Honors Vocale Ensemble		X	X	X	III
Band	X	X	X	X	II
Honors Wind Ensemble	X	X	X	X	III
Introduction to Piano Techniques	X	X	X	X	II
Piano Seminar		X	X	X	II
Music Theory		X	X	X	II
AP Music Theory*			X	X	III
Contemporary Social Drama	X	X	X	X	II
Contemporary Social Drama Lab		X	X	X	II
Shakespearean Studies I*		X	X	X	II
Shakespearean Studies II*			X	X	II
Intro to Guitar	X	X	X	X	II
<p><i>All Visual and Performing Art courses meet the State requirements for Visual and Performing Arts. Please see course listings for required prerequisites.</i></p>					

****Summer Assignments are required***

Experiences in Art

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

This year-long course is designed to expose students to creative experiences in Art. Students will experience art as an introduction to future art courses or simply as a creative outlet. This course component is designed to broaden students' appreciation and understanding of art within an environment that is conducive to self-expression and creative problem-solving. Topics to be addressed will include: the elements of art (line, form, space, texture, and color theory), drawing (one and two-point perspective, shading, contour and figure drawing) and commercial art (animation, poster, package, and logo design)

Art I

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Art I is an introductory level course and is a prerequisite for all other classes in the Visual Arts, except Experiences in Art. Art I is a foundational course in the visual arts, emphasizing the elements & principles of art. This course will cover a variety of art-related topics, which include technical drawing skills, design elements and principles, color theory, two and three-dimensional design, aesthetics, and art history. The students will also be introduced to a variety of different approaches to art-making. These might include printmaking, sculpture, painting, collage, drawing and illustration. Instructional emphasis will rely heavily on the foundation areas of drawing using the "ten basic drawing criteria".

Art II

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Art I

Art II is a year-long course, designed to advance skills and concepts studied in Art I. Students will be given opportunities to expand their knowledge and talents by incorporating drawing skills with newly learned techniques and applications. Furthermore, students will be able to identify, discuss, and create projects which incorporate color theory, painting, printmaking, and art history. Emphasis will be placed upon creative problem solving, development of effective communication skills (both verbal and nonverbal), and application of the elements and principles of design. Skills acquired in this course should assist students in making art independently as well as preparing them for advanced art courses at Clearview.

Art III

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisite: Art II

Art III is a year-long course, designed to advance skills and concepts studied in Art II. Students will be given opportunities to expand their knowledge and talents by incorporating drawing, painting, and color skills with newly learned techniques and applications. Furthermore, students will be able to identify, discuss, and create projects which incorporate three-dimensional design, sculpture, and ceramics. Emphasis will be placed upon creative problem solving, development of effective communication skills (both verbal and nonverbal), and application of the elements and principles of design. Skills acquired in this course should assist students in making art independently as well as preparing them for advanced art courses at Clearview.

Honors Art III

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisites: Art II

In addition to the description covered in Art III, Art III Honors is the required preparatory course for students wishing to continue into AP Art IV in their senior year. The goal of the course is to complete a series of art projects that will serve as the initial portion of a college portfolio. This course is an essential component for a student to have enough completed art works to apply to AP Art IV.

Honors Art IV

Length: Year

Credits: 5

Grade Level: 12

Prerequisite: Art III

This is an advanced Art course for students who want to complete the four-year art sequence. Students will pursue art concepts and techniques in depth. After choosing areas of particular interest, students will develop and pursue independent study plans with clear goals, objectives, and timelines. The instructor must approve all plans and will monitor their progress and completion. A major goal of this course is to develop the ability to successfully demonstrate self-discipline in meeting goals in a timely and scheduled manner.

AP Studio Art

Length: Year

Credits: 5

Grade Level: 12

Prerequisites: Art III/Honors Art III

AP Studio Art IV is a course designed for the artistically talented student who is seriously interested in the practical experience of art. The student should have successfully completed Art III with demonstrated academic success. This course will prepare students for the AP assessment in Art, and all students are encouraged to participate in this assessment process in May. Assessment for AP Studio Art is based upon submission and evaluation of the student's portfolio work, which consists of three sections: quality, breadth and concentration. A written *Statement of Purpose* must also accompany the portfolio. Students will be expected to work extensively outside of the classroom in order to complete the portfolio. Summer assignments will be required in this course.

Photography/Drawing and Painting

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisites: Art I

The Photography component of this course is designed to broaden students' visual and technical skills in both digital photography as well as 35mm SLR photography. Students will learn the functions and various uses for both cameras as they explore composition and content to produce aesthetically appealing photographs. Through the use of digital photography, students will master the basic skills of reading histograms, applying artistic tools and techniques, photograph reconstruction, and photograph editing in *Photoshop*. While using the 35mm camera, students will cover basic camera functions, exposure control, film development, enlarging, and printing techniques, and print presentation.

The Drawing and Painting component is designed to allow students opportunities to develop elements of art and principles of design specifically by focusing on painting and drawing skills. The class will explore a variety of different media, including, but not limited to acrylics, watercolor, pen and ink. Many different artistic styles and theories on painting will be addressed as students refine their skill sets. This class will also incorporate a digital component.

While this course is separated into two components, it is only offered as a full-year option.

Concert Choir

Length: Year

Credits: 5

Grade Level: 9 (males), 10, 11, 12

This course will continue to provide students with the opportunity for vocal development, ear training, and sight-reading through a study of various choral works. All students are required to participate in the scheduled concerts

throughout the school year. Students will have the opportunity to audition for the Concert Choir and Vocale Ensemble for the following year. Small class ensemble lessons may be provided for students on a rotating schedule.

Honors Vocale Ensemble

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisite: High School Choir. Audition required

This honors-level course is for the advanced and exceptionally gifted choral student. Students will be expected to function at a high level of musicianship. Entrance to this ensemble is through audition that will occur in the spring of the prior school year. Students will be expected to perform at a variety of functions throughout the year. Small class ensemble lessons may be provided for students on a rotating schedule. Additionally, students will be expected to attend evening practices.

Band

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Prerequisite: Successful completion of two years of playing Middle School Band music or audition with the instructor

The Band program will provide experiences for the wind and percussion instrumentalist. Various techniques, interpretation, intonation, and general musicianship will be developed through the use of appropriate band repertoire. Participation in all school performances is required.

Honors Wind Ensemble

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Prerequisite: Audition required

This honors-level course is for the advanced and exceptionally trained instrumental student. Students will be expected to function at a high level of musicianship. Entrance to this ensemble is through audition that will occur in the spring of the prior school year. Students will be expected to perform at a variety of functions throughout the year. Additionally, students will be expected to attend evening practices.

Introduction to Piano Techniques

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

The Introduction to Piano Techniques class is designed for the music student who desires instruction on the piano. Piano keyboard skills will be taught in a group instructional setting with an emphasis on music literacy. By working through a sequential method series, students will acquire a core of basic playing and reading skills; more advanced students will be able to progress according to their abilities. To achieve this, students should expect to participate in

independent practice, self-directed activities and performance-based evaluations. Throughout the year, students will prepare pieces to be performed for the teacher and their peers. This class is intended for students who have previously demonstrated strong interest or talent in music.

Piano Seminar

Length: Year Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Introduction to Piano Techniques

Piano Seminar will provide experienced and accomplished pianists the opportunity to cultivate their technical and artistic skills. Students will explore a repertoire of the Baroque, Classical, Romantic and Modern eras. Activities will include individual practice, ensemble playing, written and aural theory drills, and a performance project. This class is intended for self-motivated music students who can successfully participate in a self-directed activity.

Music Theory

Length: Year Credits: 5

Grade Level: 10, 11, 12

Prerequisite: One year of high school band/choir, private lessons OR permission of instructor Student has the ability to read musical notation fluently.

This course is designed for the serious music student who wishes to improve written and aural musical skills. It is expected that the entering student is already able to read music. The course will include the study of all aspects of music theory, including notation, analysis, sight-singing, composition, and harmony. Students will utilize the Music Theory Lab and its MIDI/Computer stations complete with piano keyboards, notation software and instructional programs. This class will prepare music students for AP Music Theory or college level musical study.

AP Music Theory

Length: Year Credits: 5

Grade Level: 11, 12

Prerequisites: Music Theory I

AP Music Theory is a course designed for the musically talented student who has previously demonstrated academic excellence in Music Theory I. This course will prepare students to take the AP Music Theory exam. Students enrolled in this course are encouraged to take the exam, which is administered in May of each school year. The material covered in this course is equivalent to a first-year college music theory course. The course will address musical notation, terminology, compositional skills, analysis, aural skills, and sight-singing. The development of listening skills, especially those involving recognition and comprehension of melodic and rhythmic patterns, harmonic function, small forms, and compositional techniques will be emphasized. Musical examples studied will be selected from a standard repertoire with some

exposure to contemporary, jazz, vernacular, and non-Western music. Summer assignments may be required.

Introduction to Guitar

Length: Year Credits: 5

Grade Level: 9, 10, 11, 12

The Introduction to Guitar class is designed for students who desire instruction on playing the guitar. Guitar skills will be taught in a group instructional setting. Students will acquire a core of basic playing and reading skills; more advanced students will be able to progress according to their abilities. To achieve this, students should expect to participate in independent practice, self-directed activities and performance-based evaluations. This class is intended for students who have a strong interest in music.

Contemporary Social Drama

Length: Year Credits: 5

Grade Level: 9, 10, 11, 12

This elective course will afford students the opportunity to study plays and performance works by playwrights from diverse ethnic and cultural backgrounds. In an effort to understand the unique qualities of each play, students will examine the social implications of various readings. Additionally, students will also develop and perform original issue-oriented dramatic material to provide theatrical diversity models, which encourage awareness and acceptance among fellow students. A community outreach aspect of the course will address sensitive subjects and examine issues of particular relevance to the school community, including, but not limited to: hate crimes, post 9/11 fears, gender bias, and cultural and social privilege. Summer reading may be a requirement.

Contemporary Social Drama Lab

Length: Year Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Contemporary Social Drama

This elective course is a continuation of Contemporary Social Drama with a focus on independent development of plays that reflect the skills and proficiencies introduced in Contemporary Social Drama. Students will develop and coordinate community outreach programs that bring the theater alive with dramatic interpretations of current issues. Students will read contemporary plays and reviews that address sensitive subjects, while studying the conventions of drama in a lab setting. Students will perform dramatic monologues and skits, many of which will be composed by the students in seminars provided for dramatic composition. Additionally, students will examine issues of particular relevance to the school community including, but not limited to: hate crimes, post 9/11 fears, gender bias, cultural and social privilege and questions about identity.

Shakespearean Studies I

Length: Year

Credits: 5

Grade Level: 10, 11, 12

This course invites tenth, eleventh and twelfth grade students who enjoy reading, writing, research, and discussion to immerse them in the works of William Shakespeare. Those who *hate* The Bard's works are especially invited to study the life, times, and works of Shakespeare through a variety of lenses. Four plays and several sonnets will be examined as works of poetry, dramatic pieces, works of social commentary, works of complex literary structure, early psychological works, and more. The course culminates in a year-long project designed to introduce Shakespeare to young, adult, or reluctant students. This course is designed to challenge conventional beliefs, deconstruct the myth of Shakespeare, and celebrate the works of the world's greatest living playwright (who just happens to have been dead for four centuries).

Shakespearean Studies II

Length: Year

Credits: 5

Grade level: 11, 12

Prerequisites: Shakespearean Studies I

This course is not simply a continuation of Shakespearean Studies I; it will involve independent and group study on Shakespeare's more complex plays, as well as intensive written analyses of Shakespearean criticism. Students will examine the history behind history plays, consider flaws in characters and plots, and compose original theatrical monologues and soliloquies. Shakespearean Studies II addresses the conventions of Elizabethan performance so that students can become acclimated to the stage. The course culminates in a year-long independent study project, and is ideal for students who plan further study in English, Drama, or other humanities.

WORLD LANGUAGES

Course Offerings	Gr. 9	Gr. 10	Gr. 11	Gr. 12	Grading Level
Spanish Conversation & Culture	X	X	X	X	I
Spanish I	X	X	X	X	I
Advanced Spanish I	X	X	X	X	II
Spanish II		X	X	X	I
Advanced Spanish II	X	X	X	X	II
Honors Spanish III		X	X	X	III
Honors Spanish IV			X	X	III
Honors Spanish V				X	III
AP Spanish				X	III
Advanced French I	X	X	X	X	II
Advanced French II	X	X	X	X	II
Honors French III		X	X	X	III
Honors French IV			X	X	III
AP French				X	III
Advanced German II	X	X	X	X	II
Honors German III		X	X	X	III
Honors German IV			X	X	III
Honors German V				X	III
Advanced Latin I	X	X	X	X	II
Advanced Latin II		X	X	X	II
Honors Latin III			X	X	III
Honors Latin IV				X	III
<i>Please see course listings for required prerequisites.</i>					

Advanced French I

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Advanced French I is an introductory course to the fundamentals of the French language. Primary emphasis will be on the listening and speaking skills of the language, with limited reading and writing at the beginning of the course. Students are expected to participate on a daily basis and make a serious academic commitment toward advancing in the study of French. French films, popular music and customs of the French-speaking world will be featured.

Advanced French II

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Prerequisite: Advanced French I

Advanced French II is a continuation of Advanced French I with continued emphasis on speaking and greater emphasis on reading, writing, and basic grammar. Vocabulary will continue to be presented through culturally-based thematic scenarios. Customs and traditions of French-speaking countries will be examined and discussed.

Honors French III

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Advanced French II

This is a fast-paced course with high expectations designed for the student continuing in the study of French. Advanced conversation and grammar, reading, writing, and oral discussion will be emphasized. Customs and traditions of French-speaking countries will be examined and discussed in greater detail.

Honors French IV

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisite: Honors French III

The fourth-year course will stress the conversational skills needed to communicate effectively in French. Improvement in pronunciation will also be an important component to the course. Writing skills will be improved and expanded through compositions on cultural topics of interest. French music and cinema will also be featured.

AP French

Length: Year

Credits: 5

Grade Level: 12

Prerequisite: Honors French IV

Students who enroll in AP French should already have a strong command of French grammar, vocabulary, and competence in listening, reading, speaking, and writing. Although these qualifications may be attained in a variety of ways, it is assumed that most students will be in the final stages of their secondary school training and will have had substantial course work in the language. The course will emphasize the use of language for active communication and help students develop the following:

- the ability to understand spoken French in various contexts.
- a French vocabulary sufficiently ample for reading
- newspaper and magazine articles, literary texts, and other non-technical writings without dictionary dependence.
- the ability to express themselves coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken French.

Course content will reflect intellectual interests shared by the students and teacher (the arts, current events, literature, sports, etc.). Materials will include audio and video recordings, films, newspapers, and magazines.

The course seeks to develop language skills (reading, writing, listening, and speaking) that can be used in various activities and disciplines rather than to cover any specific body of subject matter. Extensive training in the organization and writing of compositions will also be emphasized. Students will be encouraged to take the AP exam in the spring.

Advanced German II

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Prerequisite: German I in Middle School

This course continues and intensifies the study of the fundamentals of speaking, reading, and writing German, including an increased amount of cultural material. Vocabulary and more advanced grammar will be developed and practiced through oral discussion.

Honors German III

Length: Year Credits: 5
Grade Level: 10, 11, 12

Prerequisite: Advanced German II

Honors German III is an intense course designed for the student continuing in German. A continuation of grammar review and instruction, composition, and oral discussion will be the primary focus in this course. Vocabulary and the understanding of German culture will be increased through the reading of short stories by various German authors.

Honors German IV

Length: Year Credits: 5
Grade Level: 11, 12

Prerequisite: Honors German III

Honors German IV refines the reading, writing, and speaking skills already established in Honors German III. Conversation and composition will be a major part of the student's daily performance. Along with selected writing of major authors, students will be exposed to current German newspapers and selected magazines. At this level, serious attention to speaking, reading and writing the language in a career setting is addressed.

Honors German V

Length: Year Credits: 5
Grade Level: 12

Prerequisite: Honors German IV

The fifth year of study will reinforce and broaden previously acquired knowledge and skills. This will enhance the student's appreciation and enjoyment of German literature and culture. Oral communication skills will be polished, writing style and techniques will be refined, and auditory and reading comprehension will be expanded through increased frequency of exposure to the literature of the language. Auditory comprehension will be sharpened through exposure to the language spoken with increased sophistication and speed. At this level, serious attention to speaking, reading, and writing the language in a career setting is addressed.

Advanced Latin I

Length: Year Credits: 5
Grade Level: 9, 10, 11, 12

Students enrolled in this course are expected to participate actively on a daily basis, maintain a high performance level, and make a serious academic commitment toward the study of the language. This initial Latin course will focus on the mastery of Latin forms, syntax, and vocabulary. Careful attention will be paid to the practical application of Latin in English vocabulary and grammar. Students will also gain a comprehensive background of the historical and cultural aspects of Roman civilization and its influence on the Western World.

Advanced Latin II

Length: Year Credits: 5
Grade Level: 10, 11, 12

Prerequisite: Advanced Latin I

This course continues the study of Advanced Latin I, beginning with a review of basic forms, syntax, and vocabulary. Reading and writing in Latin is continued, and the study of roots, prefixes, and suffixes is intensified. Advanced instruction in grammar and syntax will prepare the student to read selections from Julius Caesar's writings.

Honors Latin III

Length: Year Credits: 5
Grade Level: 11, 12

Prerequisite: Advanced Latin II

Honors Latin III will include a grammar review and use of the subjunctive mood. Readings from selected Roman authors, including Caesar, Martial, and Pliny, will develop a greater understanding of Roman culture and mythology.

Honors Latin IV

Length: Year Credits: 5
Grade Level: 12

Prerequisite: Honors Latin III

Honors Latin IV will include readings from such authors as Cicero, Virgil, and Catullus. Through extensive readings of these authors, students will gain greater insight into Roman history and culture.

Spanish Conversation & Culture

Length: Year Credits: 5
Grade Level: 9, 10, 11, 12

This course is designed for students to meet the one-year High School World Language requirement. Upon successful completion of this course, a student may elect to enroll in Spanish I. The focus of this course will be oral communication in Spanish through a thematic approach. Students will be expected to ask and answer questions and initiate and continue conversations in appropriate linguistic and cultural fashion in given situations. There will be some guided written and project work required. The cultural component of this course will focus on the festivals and holidays of the Spanish-speaking countries of North and South America and Spain.

Spanish I

Length: Year Credits: 5
Grade Level: 9, 10, 11, 12

In this course, primary emphasis will be placed on the listening and speaking skills of language learning, with reading and writing experiences to be developed as the course progresses. The life-style, customs, and traditions of the many different Spanish-speaking cultures will be experienced. This course will be moderately paced. Upon successful completion of this course, the student will be prepared to take Spanish II.

Advanced Spanish I

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

In this course, primary emphasis will be placed on the listening and speaking skills of language learning, with reading and writing experiences to be developed as the course progresses. The lifestyle, customs and traditions of the many different Spanish-speaking cultures will be experienced. This course will progress at a more rapid pace, drawing on students' previous knowledge of Spanish and provide students with a more in-depth experience of the language and its cultures. Upon successful completion of this course, the student will be prepared to take Advanced Spanish II.

Spanish II

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Spanish I

Initially, this course will present a thorough review of the skills developed in Spanish I. Primary emphasis will be placed on the listening and speaking skills of language learning with reading and writing experiences to be developed as the course progresses. This course will be moderately paced.

Advanced Spanish II

Length: Year

Credits: 5

Grade Level: 9, 10, 11, 12

Prerequisite: Advanced Spanish I

Initially, this course will present a thorough review of the skills developed in Advanced Spanish I. Culture will be presented through authentic texts and materials to emphasis on reading and writing skills of the Spanish language. Comprehension, conversation, and reading skills will be fully developed at a more rapid pace.

Honors Spanish III

Length: Year

Credits: 5

Grade Level: 10, 11, 12

Prerequisite: Advanced Spanish II

This is a fast-paced course designed for the student continuing in Spanish. Spanish III will deal with the expansion of basic language skills developed in Spanish I and II through conversation, vocabulary, idiom building, and the study and use of the subjunctive mood. The course will also include writing short themes and reading Spanish and Latin American short story authors. An exploration of the use of the language in the workplace will also be experienced.

Honors Spanish IV

Length: Year

Credits: 5

Grade Level: 11, 12

Prerequisite: Honors Spanish III

Honors Spanish IV will promote a more intensive use of vocabulary, idiom, and conversation. Improved skills of

both oral and written expression will enable students to write short stories and letters, become involved in the production of skits relating to everyday activities, and read anthologies of Spanish and South American literature with an emphasis toward the basic goal of comprehension, on a higher level, the culture and history of Spanish-speaking people everywhere. At this level, serious attention to speaking, reading, and writing the language in a career setting is addressed.

Honors Spanish V

Length: Year

Credits: 5

Grade Level: 12

Prerequisite: Honors Spanish IV

This course emphasizes the use of authentic source materials and the integration of language skills. Therefore, students will receive extensive training in combining listening, reading, and speaking (or listening, reading, and writing) skills in order to demonstrate understanding of authentic Spanish-language source materials. The course allows for students to continue in their study of Spanish without the pace of the Advanced Placement class.

AP Spanish

Length: Year

Credits: 5

Grade Level: 12

Prerequisite: Honors Spanish IV

Students who enroll in AP Spanish should already have a strong command of Spanish grammar, vocabulary, and competence in listening, reading, speaking, and writing. Although these qualifications may be obtained in a variety of ways, it is assumed that most students will be in the final stages of their secondary school training and will have had substantial coursework in the language. The course will emphasize the use of language for active communication and help students develop the following:

- Understand Spanish spoken by native speakers at a natural pace, with a variety of regional pronunciations, in both informal (interpersonal) and formal (presentational) contexts.
- Develop an active vocabulary sufficient for reading newspaper and magazine articles, contemporary literature, and other non-technical writings (websites, letters and emails, advertisements, signs and Instructions) in Spanish without dictionary dependence.
- Express themselves by describing, narrating, inquiring, and developing arguments in Spanish, both orally and in writing, with reasonable fluency, using different strategies for different audiences and communicative contexts.

This course emphasizes the use of authentic source materials and the integration of language skills. Therefore, students will receive extensive training in combining listening, reading, and speaking (or listening, reading, and writing) skills in order to demonstrate understanding of authentic Spanish-language source materials. Students will be encouraged to take the AP Placement Exam in the spring.

Clearview Regional Middle School

Program of Studies
Planning Guide



2017/2018

PROGRAM PHILOSOPHY

A structured program to build self-esteem and foster respect is presented and encouraged in all aspects of the school community. The teaching staff, counselors, and administrators of Clearview Regional Middle School pride themselves on their commitment to the whole student.

GRADES

It is the philosophy of the Clearview District that all students should be challenged to work at the most advanced academic level at which they can meet success. Report cards are issued quarterly. Grades are reported on a 100 point scale.

TRANSITIONING TO HIGH SCHOOL

For those students aspiring to the Honors level courses at the high school, prior achievement must be earned in major academic areas while at the middle school.

Acceptance into the following courses in Grade 9 requires high academic achievement in Middle School:

Honors English I, Honors Algebra I, Honors Algebra II, Honors Geometry, Honors Physics, Honors World History, and World Language II

COUNSELING SERVICES

Counselors offer many services for assisting pupils to adjust to the school's organization, plan of studies, and program of activities. Counseling services at Clearview are provided as individual counseling, orientation, providing occupational and educational information, course selection, developing and maintaining student records, testing, and educational research projects. A carefully planned system of individual and group guidance activities by counselors and teachers has been established so that each pupil receives what he or she needs to be successful in the school environment. Counselors help students plan their program of study, guiding them to choose what is best suited for their individual interests, abilities, aptitudes, and desires. Students should feel comfortable turning to their counselors for information and help concerning personal and school adjustments, choice of courses, and vocational planning.

SCHEDULING ASSISTANCE - 223-2750

Director: Dodd Terry

Counselors: Sherin Blose
Deborah Wilson
Michael Zappala

Department Coordinators:

Career and Technical Education
English/Language Arts
Health, Safety and Physical Ed.
Mathematics
Science
Social Studies
Special Education
Visual and Performing Arts
World Languages

Diane Bernstein
Thomas Jones
Mary Marks

Michael Holm
Tammy McHale
Diane Bernstein
Dawn Scalfaro

SPECIAL EDUCATION

Individualized Educational Programs

The middle School Special Education Program provides a number of classroom programs designed to meet the individual needs of classified students. Instruction is delivered to accommodate the learning styles of the students and includes other support and services that will make the student successful. Each child's individual needs are discussed as part of the Individual Education Plan process conducted every year with parents of these students. Further information concerning special needs students and specific programs are available through the Director of Special Services at 223-2770.

PROMOTION PROCEDURES

GRADES SEVEN AND EIGHT

Successful completion of academic core subjects (English, Mathematics, Reading, Science and Social Studies) is required to demonstrate proficiency in grades seven and eight. Furthermore, satisfactory academic performance in the Middle School is the primary indicator of high school readiness. If a student fails one or more core subjects in the Middle School, academic interventions are necessary. Successful completion of the Clearview Middle School Summer Program will be required for students who fail academic core subjects. Students will be assigned to the grade level for which they are best prepared academically, socially and emotionally.

ENGLISH/LANGUAGE ARTS

English Language Arts Seven

ELA 7 is designed to expand and refine the reading and writing skills of all students through an integrated approach to language arts. Through the close reading of selected texts, students will develop strategies to learn how to be confident and thoughtful readers. ELA 7 will also enable students to become successful at transactions with text, making inferences, and self-regulated comprehension. Students will be reading both informational and literary texts critically, through a study of story elements, author's purpose, theme, point of view, and author's use of literary devices as a tool to enhance comprehension. Students will be engaged in writing as both a response to and an analysis of the readings. Students will also compile writings that include, but are not limited to narrative, expository, persuasive and speculative tasks. Grammar, usage, vocabulary, sentence structure, and spelling will be taught in the context of writing. Summer assignments are required. This course is aligned with the 2016 New Jersey Student Learning Standards.

English Language Arts Eight

The ELA 8 curriculum is designed to expose students to grade special ELA skills through selected works of literature and specific writing tasks. Students will gain a stronger command of their individual style through expository, persuasive and narrative writing assignments. The writing skills addressed in English Language Arts 8 span the spectrum to include all the specific aspects that collectively contribute to a skilled demonstration of the writing craft: organization, ideas, voice, sentence fluency, word choice, conventions and presentation. Students expand their vocabulary through a study anchored by Greek and Latin roots. The course as a whole is intended to prepare students for the rigor of the high school curriculum. Summer assignments are required. This course is aligned with the 2016 New Jersey Student Learning Standards.

HEALTH, SAFETY, AND PHYSICAL EDUCATION

Health Seven

This course will deal primarily with personal health. Units to be covered may include: medicinal and illegal drugs, skeletal and muscular systems, First Aid, and AIDS education

Health Eight

This course will deal primarily with personal and community health concerns. Units to be covered may include: illegal substances, tobacco, alcohol, reproductive systems, contraception, pregnancy, birth, and AIDS education.

Physical Education Seven and Eight

Middle School Physical Education is an active participation program. The coed program involves students in both individual and group activities. The program includes but is not limited to the following fitness concept activities: physical fitness, aerobic and anaerobic activities in addition to low-level plyometrics. Middle School Physical Education will also enable students to experience variations and the fundamentals of seasonal sports. This would include but is not limited to the following: flag football, soccer, hockey, basketball, volleyball, baseball/softball, track and field and various large group activities.

MATHEMATICS

IMPORTANT NOTE 1:

There are two levels – Math and Advanced Math – Instruction will be differentiated accordingly supporting the New Jersey Student Learning Standards for mathematics in both grades seven and eight.

IMPORTANT NOTE 2:

Students who merit participation in the high school level Honors Algebra 1 and Honors Geometry courses are presumed to already possess the content understanding and skills of Math-7 and Math-8 courses, and are expected to have a level of academic independence that would allow for success in the course without extraordinary measures.

Math Seven

The New Jersey Student Learning Standards -based course is designed to encourage student exploration and discovery while expanding on elementary mathematics. Many of the activities are based on the materials from the enVisionmath 2.0 Grade 7 program, and supported by additional recourses to promote student engagement in mathematical thinking. Instructional practices, activities and math assignments are designed to establish a deeper understanding of necessary fundamentals, thereby gaining greater confidence and experience in applying these fundamentals to solve problems. Aligned to the New Jersey Student Learning Standards the context of the content is the application of the mathematical concepts and problem solving strategies to real world situations. Students will develop an ability to communicate mathematically (in both oral and written forms) in the areas of basic number theory and operations styles, algebra and functional relationships, geometry and spatial sense, probability and statistics, data analysis and introductory algebraic concepts. This program is designed to meet the needs of all academic levels and learning styles.

Advanced Math Seven

Pre-requisites: *Meeting Expectations on previous PARCC Assessments, AND other standardized math assessment scores as required*

This course is designed for students to accelerate through all of the regular Math Seven course content to gain exposure to more advanced levels of algebraic instruction. Students will engage in the same activities as the regular grade seven course, but with more rigorous, challenging material and a faster pace to promote greater independent mastery of advanced levels of algebraic and mathematical study. Additionally, students will be challenged to extend their knowledge of mathematical principles utilizing graphical, spatial, logical and algebraic modeling skills in order to infer, differentiate and apply mathematical relationships. The pace of the course will assume mastery with numerical computational fluency, as well as proficiency in applying computational rules to expressions and equations.

Math Eight

Pre-requisites: *Math Seven OR Advanced Math Seven*

This course is a continuation of the New Jersey Student Learning Standards-based curriculum focused on numerical systems, algebra and functions, geometry, and data and probability. Students will be exposed to more challenging material and more sophisticated instruction designed to promote increasingly independent mastery of algebraic and mathematical study.

Advanced Math Eight

Pre-requisites: *Advanced Math Seven, OR Math Seven AND teacher recommendation.*

This course is designed for students to continue to accelerate through Math Eight. Students will be exposed to more advanced levels of instruction and more rigorous, challenging material at a more challenging pace that requires greater independent mastery of higher levels of mathematical study.

Honors Algebra I

Pre-requisites Grade 7: *District determined benchmark scores on previous assessment measures, including MAP, PARCC, and Clearview Mathematics Readiness Test (CMRT).*

Pre-requisites Grade 8: *Advanced Math Seven AND teacher recommendation.*

Note: *Computational fluency and mathematical sophistication on par with 9th grade is assumed, as is a high degree of academic independence.*

Algebra 1 is pivotal as the mathematical foundation of all academic high school courses. **This course adheres to the same pacing and grading guidelines as a high school honors course.** The grading guideline percentages are 60%-30%-10% for Major Assessments, Minor Assessments, and Daily Assignments, respectively. The course is designed for only the most mathematically able middle school

students who have demonstrated a solid foundation in computation as well as knowledge and understanding of the real number system. Topics include: solving equations and inequalities, linear and non-linear functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations, radical expressions and equations, and rational expressions and equations. Throughout each unit students are expected to solve complex problems that require high order thinking. This course is eligible for high school credit, based on student performance.

Honors Geometry Grade level 8

Pre-requisites: *Honors Algebra I AND teacher recommendation*

This course is the same as the High School Honors Geometry course, follows the same rigorous pace and curriculum, and includes the same major exams as well as the same 60%-30%-10% grading guideline percentages for Major Assessments, Minor Assessments, and Daily Assessments (see HS Program of Studies).

It is designed to continue the Honors level high school program for the most mathematically able middle school students who have demonstrated a solid foundation in computation and algebraic understanding. The content focuses on geometric relationships among points, lines, planes, and angles, such as bisection; parallels and perpendiculars; congruence and similarity; chord, secant, tangent and arc connections in circles; applications and proofs with the Pythagorean Theorem; three practical applications. Weather data, for example, will be kept and analyzed to better understand the scientific use of data and statistics. Additionally, environmental issues will be addressed as they relate to the various Earth Science topics. Dimensional figures; area, surface area and volume; and an introduction to trigonometry. Students use and justify mathematical reasoning by developing informal and formal proofs. This course is eligible for high school credit, based on performance.

SCIENCE

Integrated Science 7

In this inquiry-based science course, students spend one marking period learning about each of the four major areas in science: chemistry, earth science, biology and physics. Throughout the course, students make claims supported by evidence to explain their reasoning. Through experimentation, discussion, and collaboration, students come to answer numerous important science questions. Unit titles include: How can I make new stuff from old stuff? What makes the weather change? What's going on inside of me? and Why do some things stop while others keep going?

Integrated Science 8

In this inquiry-based science course, students spend one marking period learning about each of the four major areas in science: chemistry, earth science, biology and physics. Throughout the course, students make claims supported by evidence to explain their reasoning. Through experimentation, discussion, and collaboration, students come to answer numerous important science questions. Unit titles include: How does food provide my body with energy? How is the Earth changing? Why do organisms look the way they do? and How will it move?

SOCIAL STUDIES

Social Studies Seven: World History and Global Studies

All students will acquire the knowledge and skills to think analytically and systematically about how past interactions of people, cultures, and the environment affect issues across time and cultures. Such knowledge and skills enable students to make informed decisions as socially and ethically responsible world citizens in the 21st century. This course is designed to foster student exploration of the connection between geography, people and the environment along with economics, innovation and technology. Ancient cultures and civilizations of the world will be discussed and analyzed.

Social Studies Eight: America in the World

All students will acquire the knowledge and skills to think analytically about how past and present interactions of people, cultures, and the environment shape the American heritage. Such knowledge and skills enable students to make informed decisions that reflect fundamental rights and core democratic values as productive citizens in local, national, and global communities. This course incorporates history, civics and modern-day connections as it details exploration to the Reconstruction.

WORLD LANGUAGES

The following options are available for students who are interested in a serious, in-depth study of a world language. These courses provide an accelerated approach to an advanced course of study in grade eight

World Language Seven

All seventh grade students have the opportunity to choose French, Spanish, or German to fulfill their world language requirement.

Spanish Seven

This course systematically and sequentially builds upon Spanish experiences at the elementary level. Conversational skills are reinforced, vocabulary is

expanded, and fundamental concepts of grammar and sentence structure are introduced through culturally appropriate real life scenarios. In addition, the use of appropriate level technology will be encouraged through speaking programs and online language testing.

French Seven and German Seven

These courses introduce students to the target language through interpersonal conversation. Fundamental concepts of grammar, structure, and vocabulary are built through real-life culturally appropriate scenarios.

World Language Eight

The second year of study establishes the essential concepts of grammar and structure. It is at this level of instruction that the acquisition and retention of vocabulary for immediate and future use becomes more important. French, Spanish, and German stress the development of accumulation of vocabulary and the comprehensions of essential grammar are critical to speaking, listening, reading, and writing skills for the student. These courses also introduce students to cultural, historic, and geographic information about the lands and people of the language that the student has begun to speak. Students will obtain an understanding and appreciation of their own country's history and traditions of people in other countries. This cultural exposure will give students a new appreciation of their own country's history and culture.

French I

French I is an introductory course to the fundamentals of the French language. Primary emphasis will be on the listening and speaking skills of the language, with limited reading and writing at the beginning of the course. Students are expected to participate on a daily basis and make a serious academic commitment toward advancing in the study of French. French films, popular music and customs of the French speaking world will be featured.

German I

Students enrolled in this course are expected to actively participate on a daily basis, maintain a high performance level, and make a serious academic commitment toward the study of the German language. Primary emphasis will be placed on listening and speaking skills of language learning, along with basic grammar, and reading and writing experiences progressing developmentally. Culture and holiday traditions will be discussed and experienced.

Spanish I

Students enrolled in this course are expected to participate actively on a daily basis, maintain a high performance level, and make a serious academic commitment toward the study of the language. Primary emphasis will be placed on the listening and speaking skills of language learning, with reading and writing experiences to be developed as the course progresses. The life-style, customs, and traditions of the many different Spanish-speaking cultures will be experienced.

ELECTIVE COURSES

*The following courses are selected by students to enrich their learning experience and ensure they have the opportunity to acquire a well-rounded skill set. *Choir and Concert Band are full-year courses. Students may select Choir OR Concert Band in lieu of cycle courses.*

Grade Seven

****Choir Seven (Full-Year Course)***

Through performance within a wide variety of musical styles and periods, students experience vocal development. Students develop both personal musicianship and vocal technique through regular rehearsal and performance. No previous vocal experience is required.

****Concert Band Seven (Full-Year Course)***

Seventh Grade Concert Band is designed to provide an Instrumental Music experience for students that have completed at least one full year of Instrumental Music instruction at the elementary level

Grade Seven Cycle Courses

Culinary Arts

This course is an introduction to food preparation and nutrition. Topics such as reading a recipe, equipment usage, the food guide pyramid, and meal preparation are included. Microwave cooking, nutritious snacks, meal planning, equipment usage, international and regional foods are some of the topics to be explored. Reading, math, science and social studies are incorporated into the curriculum.

Digital Literacy

The ability to locate, organize, understand, evaluate, and analyze information using digital technology is a critical life skill in the 21st century. In this course, students will use the immense power of digital media to explore, connect, create, and learn in a variety of ways. Students will develop skills to locate and select information by understanding how to analyze the quality of sources. Other areas of exploration will include: digital footprints and reputation, internet safety, creative credit/copyright, and privacy/security.

Music

Students in this course will learn how to play the piano at a beginning level. Classroom piano keyboards will be utilized for practice and performance by the students. Students will be introduced to and learn music reading skills, rhythm reading and basic musicianship while learning to play the piano. Students will also listen to various genres of music and develop an understanding of style and form.

Grade Eight

****Choir Eight (Full-Year Course)***

Through performance within a wide variety of musical styles and periods, students experience vocal development. Students develop both personal musicianship and vocal technique through regular rehearsal and performance. No previous vocal experience is required.

****Concert Band Eight (Full-Year Course)***

Eighth Grade Concert Band provides an Instrumental Music experience for students that have completed one full year of instruction in the Seventh Grade Concert Band. Musicianship skills will be developed and improved through performance of standard band music in both of these ensembles. (Each student has either Band, Choir or Cycle Classes)

Grade Eight Cycle Courses

Art

This is a basic course intended to introduce the student to art history, critique, and the elements and principles of design. Exploration of materials and proper critique techniques are emphasized. Students will create project work that is demonstrative of their learning and the teaching of specific design skills. Students will work in two and three dimensional media. Emphasis is placed on the development of personal style in the student artist.

Computer Literacy

This course is designed using the New Jersey Technology and 21st Century Life and Careers Student Learning Standards. Students will develop keyboarding and word processing skills, as well as learn to create spreadsheets and presentations, using electronic programs and platforms. Additionally, students will learn to use tools and commands to create a variety of documents using Microsoft programs including Word, Excel and PowerPoint. Instruction in basic HTML will introduce students to using HTML tags to create basic web pages.

Experiences in Technology

Students will experience the world of technology through exploration of each of the five technology areas: Communication, Transportation, Manufacturing, Construction, and Biotechnology. The course will integrate computer technology with hands-on technology learning activities in order to develop current social and environmental concerns. This hands-on course presents a problem solving approach to help students better understand the connection of computers as a tool in today's technological world. By employing critical thinking, systematic problem-solving techniques, and interactive social and communication skills, they will develop strategies and approaches aimed at solving these real world problems.