

**RED BANK REGIONAL HIGH SCHOOL
COURSE OF STUDY GUIDE
2021 - 2022**



**BUCCANEERS
EST. 1969
Little Silver, NJ 07739**

**RED BANK REGIONAL HIGH SCHOOL
2021 - 2022 COURSE OF STUDY
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Ms. Erin Pinto, Supervisor of Special Services & Inspire Academy

Mrs. Lisa Boyle, Supervisor of Visual & Performing Arts, Finance, and Consumer & Family Science

Mr. David Fusco, STEM Supervisor

Mrs. Jessica Verdiglione, Supervisor of Data and Testing

SCHOOL COUNSELORS

Mr. Christopher Desiere

Ms. Shalene McLaughlin

Mrs. Renee Greene

Ms. Victoria Pirher

Ms. Tara Marrero

Ms. Jill Tirrell

STUDENT ASSISTANCE COUNSELOR

Mrs. Lori Todd

CHILD STUDY TEAM

Dr. Suzanne Alvarado, School Psychologist

Mrs. Erinmarie Ciallella, Speech Therapist

Mrs. Brigid Laudermilch, School Social Worker

Ms. Audrey McGarry, Learning Consultant

Ms. Erika Picca, School Psychologist

Ms. Teresa Shulman, Learning Consultant

SCHOOL BASED YOUTH SERVICES PROGRAM: THE SOURCE

Ms. Stacy Liss, Clinical Supervisor

Ms. Becky Stevenson, Clinician

Ms. Marisol Mondaca, Clinician

Mr. Matt Checinski, Clinician

SCHOOL NURSES

Ms. Deborah Rosen-Haight, RN, BSN, NJCSN

Mrs. Aurora Hankins, RN

RBR MISSION STATEMENT

The Mission of Red Bank Regional High School is to ensure the academic success and personal growth of all students while developing a passion for learning.

OUR BELIEFS

We believe the educational process succeeds when parents, staff, students, and the surrounding communities are active in supporting academic success.

We believe children learn best in a safe environment that embraces diversity, values creativity, and challenges all students to reach their full potential.

We believe an effective education prepares each student to master the curriculum and achieve future aspirations while aspiring continual learning, critical thinking, and a positive social environment.

INTRODUCTION

With an enrollment of approximately 1300 students, Red Bank Regional High School offers a wide array of educational opportunities for students in grades 9-12 through a comprehensive program of curricular and co-curricular studies. All students are provided with an equal opportunity to reach their full potential through the programs offered regardless of race, color, creed, religion, sex, national origin, and social or economic background.

The students' high school career will challenge and help build their character. Over the next four years, students will need to make crucial decisions about their educational high school career path. School counselors will meet and assist each student annually in selecting courses that correlate to the students' individual needs, graduation requirements, interests, abilities, and career path.

The RBRHS Program of Study has been designed to help guide students and parents in scheduling their curricular courses. Within this program's pages, you will find information about; graduation requirements, grading procedures, NCAA requirements for athletes, student services, curricular pathways, etc.

Decisions on course selection should be firm because it will be difficult to make changes at a later date. If a course is canceled due to low enrollment, the students will be placed in an alternate course selection. We strive to make every effort to meet all the needs of our students; this is why we stress the importance of making solid curricular decisions/choices.

We encourage all students to consider the following when planning their academic career:

- Does the course:
 - Provide an outlet for interests or possible interest?
 - Provide a solid background for post-high school plans/options?
 - Meet the HS graduation requirements?
 - Meet the college entrance requirements?
- Choose courses, not teachers. Requests for schedule adjustments based on personnel will not be honored.
- Consult your teachers and your counselor about the courses you want to take.
- Make sound initial decisions. Low enrollment totals may lead to the cancellation of a course.

We understand that this guide may not answer all of your questions; parents, and students are encouraged to visit the school website www.rbrhs.org or contact the RBRHS School Counseling Department, 1.732.842.8000.

STUDENTS WITH DISABILITIES - 504

Section 504 of the Rehabilitation Act of 1973 prohibits discrimination against persons with a disability in any program receiving federal financial assistance. The Red Bank Regional School District is committed to preventing discrimination in policy, programs, and practices regarding personnel and students.

The Red Bank Regional School District is responsible for identifying, evaluating, and affording equal access to appropriate educational services for students deemed eligible for Section 504 services. Parents or guardians of children who believe their child has a disability that requires modifications or accommodations to their educational program should contact the 504 Coordinator and submit a written request to Carly M. Londrigan, 504 Coordinator, 101 Ridge Road, Little Silver, NJ 07739.

AFFIRMATIVE ACTION

It is the policy of the Red Bank Regional High School District not to discriminate on the basis of race, color, creed, religion, sex, handicap, ancestry, age, national origin, or social or economic status in its educational programs or activities and employment policies as required by Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, N.J.A.C. 6:1.1 et. seq., Public Law 101-336, The Americans With Disabilities Act of 1990. Inquiries regarding compliance may be directed to Mrs. Whitney Ooms, Affirmative Action Officer, Red Bank Regional High School, 101 Ridge Road, Little Silver, NJ 07739, (732) 842-8000

HARASSMENT, INTIMIDATION AND BULLYING PROGRAM

Red Bank Regional has a comprehensive program to address harassment, intimidation, and bullying, including but not limited to the involvement of the Administrative team and Mrs. Lori Todd, the Anti-Bullying Specialist. In addition, there is a regular follow-up with multiple educational resources such as conflict resolution and counselors in the School Counseling Department and The Source.

COUNSELING DEPARTMENT

The School Counseling Department at Red Bank Regional High School is dedicated to providing the most efficient and highest school counseling services to each and every student. We work in collaboration with The SOURCE, CST, students, parents, faculty, and administration to make sure each student is afforded the opportunity to be successful throughout their entire high school career.

It is key for all students to understand that your counselor will provide you with the critical information concerning the requirements necessary to meet your future goals and provide you with the most up-to-date information on college and career readiness and preparation.

COUNSELORS

Mr. Christopher Desiere	cdesiere@rbrhs.org	x213
Mrs. Renee Greene	rgreene@rbrhs.org	x295
Ms. Tara Marrero	tmarrero@rbrhs.org	x203
Ms. Shalene McLaughlin	smclaughlin@rbrhs.org	x264
Ms. Victoria Pirher	vpirher@rbrhs.org	x204
Ms. Jill Tirrell	jtirrell@rbrhs.org	x327

Change of Counselor

All incoming freshmen are assigned to a house counselor (Maroon, White, or Grey). Specific counselor requests will not be honored unless the student has an older sibling who has worked with a different counselor. To make such a request, the parent/guardian should email the Director of School Counseling. This should be done before the start of the school year. Such requests will only be reviewed and honored up until the start of the student's sophomore year.

Counselor changes, other than those described above, will be reviewed by the administration on a case-by-case basis, only if circumstances justify the warrant of a possible change.

GRADUATION REQUIREMENTS

To earn a Red Bank Regional High School diploma, students must earn 140 credits and complete the graduation requirements established by the State of New Jersey and the Board of Education, which include the areas listed on the chart below:

REQUIRED/RECOMMENDED COURSEWORK

	Freshmen	Sophomore	Junior	Senior
Core Subject Courses	English 9*	English 10*	English 11*	English 12*
	Algebra I*	Geometry*	Algebra II*	*Math Elective
	Biology*	Chemistry*	Lab Science*	*Science Elective
	Global Studies*	US History I*	US History II*	*History Elective
PE/Health	PE/Health 9*	PE/Driver's Ed.*	PE/Health 11*	PE/Health 12*
World Language	Spanish Italian French	*World Language recommended	*World Language recommended	*World Language recommended
Elective Credits Per Year	Global Citizenship & Electives	*15 Credits	*15 Credits	*30 Credits
Required Elective Options within 4 years of high school	5 Credits in Visual & Performing Arts 5 Credits in 21st Century Life & Careers 2.5 Credits in Personal Financial Literacy, Economic Business, & Entrepreneurial Business Literacy			
Technology	Integrated throughout all courses			
State Testing	*See Explanation for state testing requirements on the next page			
Total Credits	140 credits needed to graduate RBR High School			

**Colleges/Universities Core Academic Courses - Most colleges/universities are concerned about the core number of academic courses a student takes during his/her high school career. To be a competitive candidate for a four-year college or university, a student should accumulate a total of at least 16 academic core courses for grades 9-12. For students seeking entrance into very competitive colleges or universities, a total of 18-20 academic courses/units is recommended; and for students seeking admission into the most competitive colleges or universities, the student(s) should seek to have more than 20 academic core courses.

STUDENT ASSESSMENTS FOR GRADUATION

All New Jersey public school students must take statewide standardized testing as part of their high school requirement. The chart below provides important information regarding current state requirements on ELA and Math Assessment Requirements for the Class of 2020. Each school year the NJDOE will determine the proficiency level needed on the assessments to meet the requirements.

<u>Three Pathways Available</u>	<u>English Language Arts</u>	<u>Mathematics</u>
<u>First Pathway</u>	PARCC ELA Grade 10 \geq 750 (Level 4)	PARCC Algebra I \geq 750 (Level 4)
<u>Second Pathway</u> Take and Pass one of the Alternative Assessments <i>2nd and 3rd Pathway are only available if a student takes all PARCC tests associated with the high-school level courses for which they were eligible and receive valid scores*</i>	PARCC ELA Grade 9 \geq 750 (Level 4) <i>or</i>	PARCC Geometry \geq 725 (Level 3) <i>or</i>
	PARCC ELA Grade 11 \geq 725 (Level 3) <i>or</i>	PARCC Algebra II \geq 725 (Level 3) <i>or</i>
	SAT Reading Test <i>or</i>	SAT Math Test <i>or</i>
	ACT Reading or ACT PLAN Reading <i>or</i>	ACT or ACT PLAN Math <i>or</i>
	Accuplacer Write Placer <i>or</i>	Accuplacer Elementary Algebra <i>or</i>
	Accuplacer Write Placer ESL <i>or</i>	
	PSAT10 Reading or PSAT/NMSQT Reading <i>or</i>	PSAT 10 Math or PSAT/NMSQT Math <i>or</i>
	ACT Aspire Reading <i>or</i>	ACT Aspire Math <i>or</i>
ASVAB-AFQT Composite <i>or</i>	ASVAB-AFQT Composite <i>or</i>	
<u>Third Pathway</u>	Meet the Criteria of the NJDOE Portfolio Appeal for ELA	Meet the Criteria of the NJDOE Portfolio Appeal for Math

*During Fall 2018, the NJ Dept. of Education proposed changes to N.J.A.C. 6A:8 *Standards and Assessment* that would impact the chart above, including the name, length, and tested grade levels of the state standardized tests. Additionally, the proposals would extend the multiple standardized testing pathways to demonstrate proficiency through the Class of 2025. For more information on the proposed changes and legislation that may take effect after the publication and posting of this Course of Study Guide, please visit <https://www.state.nj.us/education/code/> or contact assessment@doe.nj.gov

GRADING

Students will be graded on a numerical scale. Report cards are made available to parents, through the parent portal, four times each school year. Below is the interpretation for each grade range:

<u>Grade</u>	<u>Interpretation</u>
100-90	Excellent
89-80	Above Average
79-70	Average
69-65	Below Average
64-0	Failing Grade
55- 64	RBR Summer School Review Course
PAS	Pass
I	Incomplete
WP or WF	Withdrew (Pass/Fail)
NC	No Credit

In a full-year course, no grade lower than a 50 will be issued during marking periods 1 and 2. Grades reflecting the true numeric value of work done by students will be issued during marking period 3 and 4, as well as the midterm and final examinations. All health and driver education classes will reflect the true numeric value of the work done by the student.

At the end of the marking period, a student may be issued an “I” incomplete when course requirements have not been completed. The student may, if the teacher and the administration approve, have the opportunity to complete the work. If the work is not completed within the allotted time, the incomplete will be changed to a failing grade. The missed assignments/grades behind the incomplete will turn into a zero if not made up within mandated time. All incompletes must be approved by the administration. An unresolved incomplete will affect honor roll, rank, and GPA.

HONOR ROLL

To be eligible for the various Honor Rolls a student must obtain:

High Honor Roll (Maxima Cum Honore) - All 90s or above.

Honor Roll (Magna Cum Honore) - At least 90 in two subjects and no grade less than 80.

Credit List (Cum Honore) - At least 80 in all subjects.

CLASS RANK

Class rank is calculated at the conclusion of the junior year. It is recalculated after the 7th semester and a final rank is determined after the 3rd marking period. All 2.5, 5, 6, 10, and 15 credit courses are ranked with the exception of courses graded on a pass/fail basis, courses are taken online, or as part of an ILO.

A student’s grade point average is calculated by multiplying the credit value by the final grade. A product for each course is obtained and all of the products are then totaled and divided by the total number of credits attempted to determine the student's grade point average. Pass/Fail, Online, and ILO courses will not be calculated in a student’s grade point average.

CREDITS FOR GRADE LEVEL PROMOTION

Any student who does not achieve the following credits will be retained in their current grade level and be deemed ineligible for privileges afforded the promotional grade level.

- 30 credits to be considered a sophomore
- 65 credits to be considered a junior
- 100 to be considered a senior

ADVANCED LEVEL COURSES

The district offers a variety of International Baccalaureate (IB), Advanced Placement (AP), Dual Credit, and Honors courses for rigorous studies. Attendance is the key to success in these courses, as they are considered college-level courses. Dual Credit course attendance is based on college attendance policies.

International Baccalaureate	Advanced Placement	Dual Credit Courses
IB Biology SL	AP Art History	BCC Adv. Music Tech
IB Business Mgmt. SL	AP Art Studio	FDU Adv. Graphic Novels
IB English Literature HL	AP Biology	FDU Anatomy & Physiology
IB Enviro Sys & Societies SL	AP Calculus AB	FDU Creative Writing 4
IB French HL	AP Calculus BC	FDU Drama 4
IB French SL	AP Chemistry	FDU Sports Administration
IB Italian HL	AP Computer Science A	FDU Tomorrow's Teachers
IB Italian SL	AP Computer Science Principles	GCU Found. of Exercise Sci.
IB History of Americas HL	AP Microeconomics	GCU Nutrition & Wellness
IB Mathematics: Applications and Interpretation SL	AP English 3 Lang & Comp	RU Dynamics of Healthcare in Society
IB Mathematics: Analysis and Approaches SL	AP English 4 Lit and Comp	RU Medical Terminology
IB Psychology SL	AP European History	SUPA Cybersecurity
IB Psychology HL	AP French	SUPA Forensic Science
IB Spanish SL	AP Human Geography	SUPA Multivariable Calculus
IB Spanish HL	AP Music Theory	
IB Theory of Knowledge	AP Physics 1/2	
IB Visual Arts HL	AP Physics C	
IB Visual Arts SL	AP Spanish	
IB Theater HL	AP Statistics	
	AP US History	

All International Baccalaureate (IB), Advanced Placement (AP), Dual Credit, and Honors courses are weighted for the purpose of calculating class rank and cumulative GPA. Starting in the 20/21 school year, all IB, AP, and Dual Credit courses will receive an additional 10 points weighted. All students enrolled in AP and IB courses are required to take the examinations for the course to earn the weighted credit. Weighting and credits are awarded upon course completion.

Cost and Fees: Students and parents/guardians will be responsible for the costs of enrollment in IB and Dual Credit courses and AP exams. Specific amounts for each are available by contacting the RBR School Counseling Department. Letters and correspondence regarding the costs, timelines to submit payment, and information on the process for students and parents/guardians to request fee assistance from the district will be provided during the beginning of the 2021-2022 school year.

Distinguished Scholars Option: *NEW* In addition, students are eligible to receive an “Distinguished Scholars Student” designation with a coinciding 5-point GPA weighting by completing a series of rigorous academic requirements. Requirements may include but are not limited to, marking period grades, advanced writing proficiency, student publications, advanced completion of homework assignments, and other criteria developed within the Freshman Academy. Criteria will be outlined at the start of the 21-22 school year and be provided to students and parents. The designation would be given at the completion of the school year and only assigned if *all criteria* are met. All students would be eligible for the honors designation.

COLLEGE ENTRANCE REQUIREMENTS

District graduation requirements may not fulfill all college entrance requirements. It is imperative that each student review the specific entrance requirements for the colleges on their personal application list. Students planning to attend college after graduation should work closely with their school counselor in selecting courses each year.

Most colleges review the following criteria to determine admission to their school:

1. The high school transcript
2. SAT or ACT Scores
3. Personal statement or essay
4. Extracurricular participation and/or special talents
5. Teacher and counselor recommendations

It is recommended that all college-bound students select the following courses as a minimum for college admission:

- 4 years of college prep English
- 4 years of Mathematics (including Algebra 1 & 2 and Geometry)
- 4 years of Social Studies
- 4 years of Science (including Biology and Chemistry)
- 3 years of World Languages

NCAA ELIGIBILITY REQUIREMENTS

Division I:

1. Graduate from high school.
2. Complete a minimum of 16 core courses
3. Present the required grade-point average (GPA) and SAT or ACT (sliding scale)
4. Complete the amateurism questionnaire and request final amateurism certification.

Division II

1. Graduate from high school.
2. Complete a minimum of 16 core courses
3. Present the required grade-point average (GPA) and SAT or ACT (sliding scale)
4. Complete the amateurism questionnaire and request final amateurism certification.

Eligibility is determined by an initial eligibility index - see the NCAA website <https://web1.ncaa.org/eligibilitycenter/common/> for more details. All student-athletes are encouraged to register with the NCAA during their junior year in order for the Clearinghouse to review their transcript for initial eligibility.

ENGLISH LANGUAGE LEARNERS PROGRAM

Red Bank Regional offers a high-intensity ELL program designed to improve the skills of English Language Learners. High-quality instruction extends throughout the curriculum, and most core content area courses are taught with the assistance of a bilingual paraprofessional. Students are mainstreamed in these courses. The department features a cross-content teaching team, and assessments are done using a portfolio approach. The curriculum is both culturally relevant and reflective of the contemporary multicultural adolescent experience. Tutoring is available in English and Spanish for all ELL students during lunch hours and after school. Parent involvement and student advocacy are also integral to the program. Seniors are eligible for the *Puente al Futuro* program (*Bridge to the Future*), a Fast Start college program at Brookdale Community College. This program offers ELL seniors the opportunity to take six college credits in their senior year of high school. Students successful in the program may then apply for a full scholarship upon graduation from Red Bank Regional and continue their college education at Brookdale Community College. Students are placed in ELL classes according to their scores on standardized tests, classroom performance, and portfolio assessment.

INSPIRE ACADEMY

Inspire Academy is a **credit recovery program** for students struggling to reach graduation requirements in the traditional classroom. It was created as part of the multi-tiered system of supports available at RBR. It provides young adults the opportunity to achieve academic success through a highly individualized academic program, utilizing the student's unique skills in a flexible setting to maximize student success.

Inspire Academy utilizes a blended learning model combining online curriculum and face-to-face activities and instruction. Students may participate in Inspire Academy in one course or all of their content areas. This program is self-paced, and awards credit based upon competency rather than completion of a certain number of seat hours.

SPECIAL EDUCATION PROGRAMS

The special education programs for classified students are offered through the Office of Special Services. Student programs are selected in collaboration with the student, parents, and the child study team.

Special Education students must meet all state and local high school graduation requirements in order to receive a state-endorsed high school diploma unless exempted in their Individualized Education Program (IEP). A description of the rationale for exemptions from the regular educational program must be included in their IEP. These students must participate in statewide assessments.

RBR DISTRICT OFFERINGS:

Pull-out Resource (POR) Program: The Pull-Out Resource Program is offered to students who experience difficulty with the rigor, pace, and/or structure of mainstream academic subjects: English, mathematics, social studies, and science. Small group instruction is provided by highly qualified teachers who modify the general curriculum to meet the individual needs of students. Efforts are made to transition students into mainstream classes by teaching compensatory skills and strategies.

In-Class Resource (ICR) Program: The In-Class Resource Program is designed to provide support services to classified students in the general education setting in the content areas of English, mathematics, science, and social studies. Two teachers, a certified special education teacher and a content area general education teacher work collaboratively to instruct and assist students within the classroom environment. All students are expected to meet general education curricular requirements with individualized instructional strategies and modifications.

Cognitive Mild Program: The Cognitive Mild Program is a self-contained program that focuses on enhancing skills in the academic areas while incorporating the development of social skills and functional life skills required for post-secondary success. Community-Based Instruction is available for students to promote independence and learn functional life skills in a supervised community environment with certified teachers. As students' progress, they are provided with vocational opportunities to acquire job-related skills through the district's Structured Learning Experience (SLE) and the Monmouth County Vocational School, as appropriate. Opportunities for mainstreaming are encouraged on an individual basis.

FRESHMAN ACADEMY PROGRAM

The mission of the Freshman Academy is to transition our incoming freshmen and provide them with academic and social skills to successfully navigate the RBR curriculum.

ACADEMY FEATURES

- Incoming freshmen are assigned to a House of approximately one hundred students
- Each House consists of cross-curricular teams of English, Math, Science, and Social Studies teachers with one member serving as a team coordinator (Lead teacher)
- Each House has a common planning period for staff and school counselor to meet
- Engaging and challenging curriculum with an integrated, interdisciplinary approach that uses academic content and skills to address real-world projects and problems
- Students may participate in required and elective classes outside their house, as well as other activities such as clubs and sports
- Careful monitoring of student performance and attendance
- Frequent contact between school and parents
- Literacy infusion into all content areas

BENEFITS TO STUDENTS:

- Academically rigorous education that maintains high expectations for each student
- Increased academic achievement, student attendance, supporting positive attitudes
- Develop student awareness of academic/career options
- Stronger student-teacher relationships
- Integration of academic and technical skills
- An increased extracurricular participation rate

ACADEMIC SEQUENCES FOR CORE CONTENT AREAS

Content Area	Grade 9	Grade 10	Grade 11	Grade 12
English Language Arts	English 9	English 10	English 11	English 12
Social Studies	Global Studies CP	US History 1	U.S. History II	History or Social Sciences Elective
Mathematics	Algebra I <i>Geometry</i> Algebra II	Geometry <i>Algebra II</i> Pre-Calculus	Algebra II <i>Pre-Calculus</i> Calculus or other math electives	Pre-Calculus or Statistics <i>Calculus or other math electives</i>
Science	<i>Biology</i>	<i>Chemistry</i>	Chemistry, <i>Physics,</i> <i>or</i> <i>Other science electives</i>	Physics or <i>other</i> science electives
World Languages	World Language 1 <i>World Language 2</i>	World Language 2 <i>World Language 3 Accelerated World Language 2/3</i>	World Language 3 <i>World Language 4 H IB World Language HL1</i>	World Language 4 H <i>AP/IB World Language SL/HL2</i>

INTERNATIONAL BACCALAUREATE PROGRAM

The International Baccalaureate (IB) Diploma Programme is a rigorous and comprehensive pre-university course of studies designed to expose motivated high school students to a challenging, innovative, and well-balanced academic program. The IB program encourages academic and personal achievement and promotes international-mindedness and intercultural understanding and respect. IB courses are open to all juniors and seniors and are meant to appeal to students who strive to be inquirers, knowledgeable, thinkers, communicators, principled, open-minded, caring, risk-takers, balanced, and reflective.

IB Diploma students take IB courses in 6 subject areas: English, World Language, Social Studies (History, Psychology), Science, Math, and the Arts. IB Diploma students can choose to forego the Arts class and take a second World Language, Social Studies, or Science course instead. Students take three or four courses at the Higher Level (HL) and two or three courses at the Standard Level (SL) for a total of 6 courses. All IB Diploma students must complete three compulsory components as well over 2 years: an interdisciplinary Theory of Knowledge (TOK) course, a Creativity-Activity-Service (CAS) piece, and an independent Extended Essay (EE) on a topic of their choice. Students who do not take all 6 IB courses and who do not participate in the 3 core components needed for the IB Diploma can earn an IB Certificate instead.

Students interested in pursuing the IB Diploma program can apply to participate in the IB Diploma pathway in grades 9 and 10. During their freshman year, students enroll as a cohort in Global Citizenship and explore themes that are aligned with the IB Learner Profile. Additional learning experiences will emphasize global and interdisciplinary themes and include guest speakers and field trips. The pathway cohort will stay together for academic experiences in and outside the classroom. In their sophomore year, students will enroll in the pre-IB seminar, which will highlight interdisciplinary connections, independent research, and global themes.

The benefits of being an IB Diploma student are numerous. Such benefits include improved time-management skills, increased experience with oral presentations, and opportunities to apply college-level research and writing skills. IB Diploma students also gain an edge for college admission and can potentially earn college credit for individual courses and/or for earning an IB Diploma. For more information please contact the IB Coordinators Mrs. Lisa Boyle (lboyle@rbrhs.org) or Mrs. Rose Powers (rpowers@rbrhs.org).

ACADEMIC SEQUENCE FOR RBRHS IB PROGRAM

	Pre IB Grade 9	Pre IB Grade 10	IB Year 1 Grade 11	IB Year 2 Grade 12
Group 1 Language	English 1	Honors English 2 English 2 CP	IB English Lit HL 1	IB English Lit HL 2
Group 2 Second Language	Spanish/French/Italian 1 Spanish/French/Italian 1 Spanish/French/Italian 2 & 3 Honors	Spanish/French/Italian 2 Accelerated Spanish/French/Italian 2 /3 Spanish/French/Italian 3 & 3 Honors	Spanish/French/Italian 3 Spanish/French/Italian 4H IB Spanish/French/Italian HL 1 (1 year)	IB Spanish/French/Italian SL (1 year) IB Spanish/French/Italian HL 2 (1 year)
Group 3 Individuals and Societies	Global Studies	Honors US History 1 US History 1 CP	IB History of the Americas HL 1 IB Psychology HL 1 IB Psychology SL (1 year)	IB History of the Americas HL 2 IB Psychology HL 2 IB Psychology SL (1 year) IB Bus Mgmt. SL (1 year)
Group 4 Experimental Sciences	Biology Exploratory Science	Honors Chemistry Chemistry CP Biology	IB Environmental Systems and Society SL (1 year), IB Physics SL (1 year) or IB Biology SL (1 year)	IB Environmental Systems and Society SL (1 year), IB Physics SL (1 year), or IB Biology SL (1 year)
Group 5 Mathematics	Algebra 1 Algebra 1 Geometry Algebra 2	Geometry Algebra 2 Honors Algebra 2 Pre-Calculus Honors Pre-Calculus	Algebra 2 Honors Algebra 2 Pre-Calculus Honors Pre-Calculus IB Mathematics: Analysis & Approaches SL (1 year)	IB Mathematics Applications & Interpretation SL (1 year) IB Mathematics: Analysis & Approaches SL (1 year) AP Calculus BC AP Statistics
Group 6 The Arts			IB Visual Arts SL & HL 1 IB Theatre Arts	IB Visual Arts SL & HL 2 IB Theatre Arts
Core IB courses for Diploma Students			IB Theory of Knowledge	IB Theory of Knowledge

ACADEMY OF ENGINEERING PROGRAM

Red Bank Regional’s Academy of Engineering (AoE) is a state-certified Career and Technical Education Program that was developed by passionate leaders from both industry and education. Its curriculum is aligned with Project Lead the Way, a nonprofit organization that provides a transformative learning experience for students and teachers across the United States. Students enrolled in the Academy of Engineering are empowered with an engaging classroom experience that focuses on real-world applications grounded in engineering principles. Academy students have the unique opportunity to explore the various fields of engineering such as aerospace, civil, mechanical, electrical, environmental, and industrial. The Academy equips its students to think critically and creatively so that they have the skills necessary to solve the problems within our global community.

ACADEMIC SEQUENCE FOR ACADEMY OF ENGINEERING

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Engineering Design	Digital Electronics	Honors Principles of Engineering	Honors Engineering Design and Development
AP Computer Science Principles	Honors Computer Integrated Manufacturing or Honors Civil Engineering and Architecture or Honors Aerospace Engineering or Honors Environmental Sustainability *	Honors Computer Integrated Manufacturing or Honors Civil Engineering and Architecture or Honors Aerospace Engineering or Honors Environmental Sustainability*	Honors Computer Integrated Manufacturing or Honors Civil Engineering and Architecture or Honors Aerospace Engineering or Honors Environmental Sustainability*

*Biology is a prerequisite for this course

ACADEMY OF VISUAL AND PERFORMING ARTS PROGRAM

Red Bank Regional’s NJ state certified Career Technical Education Visual and Performing Arts Academy offers thirteen four-year majors in Studio Art, Photography, Creative Writing, Dance, Drama, Interactive Media, Instrumental Music: Brass, Percussion, Woodwinds, Strings, Guitar, Piano, and Vocal Music. Through rigorous daily practice along with numerous performance and exhibition opportunities, students develop as individual artists in preparation for further study at the college level and as professionals. In 2010, the VPA Academy was named an NJ Model School for the Arts by the NJ Arts Education Partnership and has been commended as the #1 Arts program in Monmouth and Ocean County by the Asbury Park Press.

ACADEMIC SEQUENCE FOR VPA: BRASS, PERCUSSION, WOODWIND, AND VOCAL

Note: In order to complete all requirements for this VPA programs, students must take Mod PE in lieu of study hall

Grade 9	Grade 10	Grade 11	Grade 12
Instrument Level 1/ Vocal Level 1	Instrument Level 2/ Vocal Level 2	Instrument Level 3/ Vocal Level 3	Instrument Level 4/ Vocal Level 4
VPA Music Theory	VPA Music Theory 2	AP Music Theory	VPA Advanced Music Technology
Band/Orchestra/ Concert Choir	Band/Orchestra/ Concert Choir	Band/Orchestra/ Concert Choir	Band/Orchestra/ Concert Choir

ACADEMIC SEQUENCE FOR VPA PIANO AND GUITAR

Grade 9	Grade 10	Grade 11	Grade 12
Instrument Level 1	Instrument Level 2	Instrument Level 3	Instrument Level 4
VPA Music Theory 1	VPA Music Theory 2	AP Music Theory	Adv Music Technology

ACADEMIC SEQUENCE FOR VPA DRAMA, CREATIVE WRITING, DANCE, COMMERCIAL PHOTOGRAPHY, INTERACTIVE MEDIA, STUDIO ART

Grade 9	Grade 10	Grade 11	Grade 12
Level 1	Level 2	Level 3	Level 4
Level 1	Level 2	Level 3	Level 4

ACADEMY OF FINANCE PROGRAM

Red Bank Regional’s NJ state certified Career and Technical Education Academy of Finance partners with the National Academy Foundation to provide career-oriented classwork in corporate and financial industry areas. NAF designs industry-related curricula to enrich the experiences and opportunities available to our students. Through a wide variety of classes and electives, students can explore the fields of Economics, Accounting, Management, and Financial Planning to better prepare them for college-level study in these areas. Students complete an internship between Junior and Senior year for real-world work experience prior to college. For more information visit: www.naf.org

ACADEMIC SEQUENCE FOR RBRHS FINANCE ACADEMY

Grade 9	Grade 10	Grade 11	Grade 12
Accounting I	Honors Accounting II	AOF Financial Planning, Investment, and Insurance	IB Business Management SL
Business Software Solutions & Ethics in Business	Introduction to Economics	AP Microeconomics OR AP Macroeconomics	AP Microeconomics OR AP Macroeconomics

ACADEMY OF EARLY CHILDHOOD EDUCATION PROGRAM

Red Bank Regional’s NJ state certified Career and Technical Education Academy of Early Childhood Education is designed to prepare students to enter careers in Education. Students receive training in child development and lesson planning, allowing them to become the teachers at Red Bank Regional’s active pre-school. By Senior year, students are enrolled in Tomorrow’s Teachers, pairing students with professional educators at partner schools.

ACADEMIC SEQUENCE FOR EARLY CHILDHOOD DEVELOPMENT

Grade 9	Grade 10	Grade 11	Grade 12
Child and Personal Development	Preschool Lab	Psychology/Sociology	Tomorrow's Teachers or Preschool Lab
Ethics in Business/ Business Software Solutions	Preschool Lab	Fine and Performing Arts Elective	Social Sciences Elective or Preschool Lab

ACADEMY OF INFORMATION TECHNOLOGY PROGRAM

Red Bank Regional's Academy of Information Technology (AOIT) focuses on providing a top-notch education that integrates higher-level computing skills with real-world applications. The academy ensures that students develop the knowledge and expertise needed to become computing professionals. This program fosters an environment that excites students about the opportunities available across all aspects of the technology industry. Students follow two concentrations within AOIT: Computer Science and Networking/Cybersecurity. All courses within the program are college preparatory with many students continuing on to post-secondary education. Students within the academy will take 2 AP Computer Science courses as well as a SUPA (Syracuse University Project Advance) course for college credit. Students enrolled in this academy have competed and placed in many Information Technology competitions. These honors include placing within the top 5 in NJ for FBLA computing competitions and being named national finalists in the Cyber Patriot competitions. Additionally, all AOIT seniors will be required to participate in the 1 credit AOIT Help Lab course, as an internship opportunity. This will allow students to apply their content knowledge with a focus on troubleshooting and customer service.

**ACADEMIC SEQUENCE FOR INFORMATION TECHNOLOGY
COMPUTER SCIENCE**

Grade 9	Grade 10	Grade 11	Grade 12
AP Computer Science Principles	Honors Computer Science 2	AP Computer Science A	Honors Web and Mobile Application Development
Introduction to Computer Systems	Honors Networking	Honors Cybersecurity or AOIT/AOE elective	Honors Digital Forensics or AOIT/AOE elective

**ACADEMIC SEQUENCE FOR INFORMATION TECHNOLOGY
NETWORKING**

Grade 9	Grade 10	Grade 11	Grade 12
Introduction to Computer Systems	Honors Networking	Honors Cybersecurity	Honors Digital Forensics
AP Computer Science Principles	Honors Computer Science 2	AP Computer Science A or AOIT/AOE elective	Honors Web and Mobile App Dev. or AOIT/AOE elective

RED BANK REGIONAL HIGH SCHOOL 2021-2022 COURSE DESCRIPTIONS

When students indicate their courses of interest during the Spring, every effort is made to put the best schedule together for each student. Due to scheduling conflicts and the academic rigor of the individual student's requests, there is no guarantee that all selected courses will fit into a student's schedule. When meeting with a School Counselor to discuss course requests, students should list as many alternates as possible in case first or second choices are not possible. Students that request to waive into a course not recommended must be submitted to the Supervisor of Counseling by April 16, 2021, with the form completed accurately and both student and parent signatures.

No changes to students' selected electives will be made in the fall.

The deadline for student and parent initiated academic level changes is the end of the second week of the school year, based on the availability of the courses and changes based on the academic best interest of the student. The deadline for teacher recommendations on academic level changes is the end of the first marking period, based on the availability of the preferred course and identified utilization of available academic supports. All grades from the initial course will follow the student to the new course.

Only course level changes will be made; no elective changes will occur, and a student cannot audit a class. Withdrawal from any course after the deadline will result in a withdrawal pass (WP) or withdrawal fail (WF) on the student's transcript. Any changes after these dates must have administrative approval.

The following pages contain brief descriptions of each course offered at Red Bank Regional High School.

Please note the following abbreviations:

CR = number of high school credits given for passing the course

YO = the grade level or year in which the course is offered to students

PRE = prerequisite course required with a passing final grade

NCAA = denotes NCAA Eligibility Center approved course

All 2.5 credit courses are semester-long courses. All other courses are full-year courses with the exception of Health (one marking period) and Physical Education (three marking periods).

BUSINESS AND FINANCE COURSES

Accounting 1 (6610) - This is a required course for Academy of Finance freshmen; however, college-bound students who plan any business major will find this course to be extremely valuable as a basis for required courses in college. Students engage in a comprehensive study of accounting utilizing the double-entry system for recording, analyzing, and interpreting business operations from a financial standpoint. Students gain a background in business operations and procedures with related business terminology. **(Required for all AOF Grade 9 students: elective for Grades 10, 11, 12 students)** CR 5, YO 9, 10,11,12

AP Macroeconomics (6639) - AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the role of the federal reserve, monetary policy, as well as government fiscal policy on the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

AOF Students are required to take in either Grade 11 or Grade 12. CR 5, YO 11,12

AP Microeconomics (6637) - AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

AOF Students are required to take in either Grade 11 or Grade 12. CR 5, YO 11,12

Introduction to Economics (6620) – Introduction to Economics *introduces* students to the key concepts of microeconomics and macroeconomics. This course discusses the American free enterprise system (economy) and the allocation of the factors that influence the business firm and its products. Additionally, this course analyzes the role of consumers, their behavior and choices, as well as the role of producers and the role of production and cost within the market setting, through the theory of supply and demand and the circular flow of the economy. Students are introduced to forms of competition and the relationship of labor and business, as well as a broad overview of the global economy. Students will understand the indicators used to measure the success of an economy, such as CPI, GDP, unemployment, and supply and demand. In addition, they will be introduced to the role of government and fiscal policy to analyze its potential impact on the economy. **Required grade 10 for AOF students or elective for all students 11 & 12 grades.**

CR 5, YO 11, 12

Business Software Solutions (6601) – This semester class, using various application-based exercises, introduces students to various computer programs that are necessary for students and professionals to master. Over the course of the year, students will comprehend the importance and uses of Microsoft Office Suite. Using Word, students will create MLA style reports, create cover letters and resumes, and draw tables. In Excel, students will design spreadsheets to be used in various occupations in the future. Publisher will enable students to create brochures, letterheads, flyers, and other documents related to various industries. PowerPoint encourages students to create and present projects that can be used both in the classroom and in the real world, individually or in a group. **Required grade 9 for AOF/Early Childhood students along with Ethics in Business.** CR 2.5; YO 9, 10, 11, 12

Entrepreneurship (6624) - This course is designed to give the student a basic guide to the process of starting and managing his or her own business. The course focuses on the steps necessary to start a business, including the legal forms of business ownership, pricing merchandise, market research and advertising, hiring employees, and a variety of start-up activities. Students concentrate on the steps necessary to prepare a business plan. CR 2.5, YO 10, 11, 12

Ethics in Business (6625) - This course introduces the importance of ethics in business. Students focus on the significance of ethics to stakeholders; examine who bears responsibility for monitoring ethics; and explore ethical situations common in organizations. Students examine how ethics affects various business disciplines and consider the impact of organizational culture. Students also explore ethics as social responsibility, the evolution of ethics in international business, and how the free market and ethics can coexist. **Required grade 9 for AOF/Early Childhood students along with Business Software Solutions.** CR 2.5, YO 9, 10, 11, 12

Financial Planning, Investment and Insurance (6630) - Financial Planning provides students with an overview of the job of a financial planner. Students learn to consider how all aspects of financial planning might affect a potential client and learn about the importance of financial planning in helping people reach their life goals. This course includes lessons on saving, borrowing, credit, and all types of insurance, and covers various types of investments. Students also examine careers in financial planning. **Required grade 11 for AOF students.** CR 5, YO 11, 12

Honors Accounting 2 (6611) - Reviews the basic theory introduced in Accounting 1 and moves on to payroll, special journals, adjustments, depreciation, inventory, notes payable and receivable, uncollectible accounts, interest, accruals, and advanced financial statements. Corporate accounting is emphasized through the inclusion of a project researching the history and backgrounds of major corporations and analyzing their Annual Reports. PRE: Accounting 1 **Required grade 10 for AOF students.** CR 5, YO 11, 12

IB Business Management SL (6629) - This business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss, and evaluate business activities at local, national, and international levels. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate. Covers curriculum previously taught in Marketing and Entrepreneurship. **Required grade 12 for AOF students.** CR 5, YO 11, 12

Personal Financial Literacy (6603) - This semester course is designed to assist students in understanding the basics of personal finance. Through application-based lessons, students develop financial literacy as they learn about the function of finance in society. Topics that are discussed during this class include finance intermediaries, wealth, personal budgeting, banking, credit, and debt management, investment banking, different forms of business ownership, and ethics in business. This class fulfills the 9.2 Financial Literacy requirements. CR 2.5; YO 9, 10, 11, 12

ENGLISH COURSES

Red Bank Regional High School places intense focus on writing throughout all of our ELA classes. All levels of ELA classes have grade specific writing skills and writing requirements that are infused throughout the curriculum. Students will also be maintaining a digital portfolio that will house writings, proposals, podcasts, and other works from all of their classes.

English 1 CP (1101) – This course uses a problem-based learning approach to stress those literary skills essential to success: reading, writing, speaking, listening and viewing. Study skills, vocabulary skills and critical thinking are infused into the curriculum to help students make the transition from elementary to secondary school. Literary selections are organized by genre. Students keep a writing folder, which is a record of their major composition work. *In addition, students are eligible to receive an “Distinguished Scholars” designation with a coinciding 5-point GPA weighting by completing a series of rigorous academic requirements. Requirements may include, but are not limited to, marking period grades, advanced writing proficiency, student publications, advanced completion of homework assignments, and other criteria developed within the Freshman Academy. Criteria will be outlined at the start of the 21-22 school year and be provided to students and parents. The designation would be given at the completion of the school year and only assigned if all criteria are met. All students would be eligible for the honors designation.*

Honors English 2 (1108) - This is a course for students whose achievement is highest at the grade level. Literature is organized by genre and includes works which reflect major figures in America's diverse cultural and literary heritage. This literature strengthens students' critical reading and writing skills. In addition, students work on a number of independent projects. PRE: English 1; CP CR 5, YO 10

English 2 CP (1104) - This course uses a problem-based learning approach to explore the history and development of American literature through a variety of genres: the novel, drama, nonfiction, short story, and poetry. The course spans early American to 21st Century literature. Composition process and revision, SAT/PARCC preparation and contextual vocabulary skills and methods of debate are also incorporated. PRE: English 1; CR 5, YO 10

English 3 CP (1109) - This course focuses on a survey of the rich heritage of English literature emphasizing the chronological development of the English language as revealed in celebrated literary works from Europe and around the globe. Students study drama, short stories, poetry and novels. Course requirements include a research paper. PARCC and SAT preparation includes intensive vocabulary study and practice exams. PRE: English 2; CR 5, YO 11

Rutgers Basic Composition 101 (1129) - This is the introductory writing course to the Rutgers Expository Writing 101 course. Students will explore a series of current non-fiction texts that are chosen to spark discussion, debate, and critical thinking. A series of writing experiences will inspire students to engage with these texts to develop original arguments and interpretations that are supported by textual evidence. Students will receive feedback from their RBR instructor as well as Rutgers writing professors and, at the completion, will be eligible to submit a portfolio of five papers to Rutgers Writing Program to earn Rutgers credit. This course will meet the 11th grade English requirement. This course is weighted as the advanced placement level. CR 5, YO 11

English 4 CP Humanities (1115) - This course is a study of the inter-relatedness of literature, painting, sculpture and music. Students study the key themes and images which evolve from the time of the Ancient Greeks, through the Middle Ages and Renaissance, Baroque, the Romantics, and Victorians, into the 20th century. This course expands the understanding of what it means to be a human in the modern world. The successful completion of a research paper is required. PRE: English 3; CR 5, YO 12

AP English 1 Language and Composition (1114) - This is a course for students whose achievement is highest at the grade level. This course focuses primarily on critical analysis of rhetorical strategies found in nonfiction European and American literature. Some fiction from the English 3 CP curriculum is also included in coursework. The course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and to become skilled writers who can compose for a variety of purposes. Emphasis is placed on the emerging character and distinctive qualities of European and American thought through sermons, journals, essays, short stories, drama and the novel. Research papers are required. This course prepares students to take the AP Language and Composition exam and provides the foundation for AP English 2 Literature and Composition. Students who receive a 3 or better on the AP exam may be eligible for college credits. Suggested PRE: Honors English 2 or 90 or better in English 2 CP, or a teacher recommendation. CR 5, YO 11,12

IB English Literature HL 1 (1121) - The first year of the two-year curriculum focuses on close reading of three works, examining how authors create meaning through literary techniques. Students begin the year analyzing summer texts and additional 20th and 21st century readings; study culminates in an Individual Oral Presentation of 10-15 minutes based on one of these works. Students then explore four works in translation, exploring the global context of each work through research, discussion and writing. By the end of the year, students will have created a four-stage written analysis of one of the translated works. PRE: English 2; CR 5, YO 11

AP English 2 Literature and Composition (1120) - With an intense focus on reading, writing, and literary analysis, Advanced Placement English Literature and Composition develops students' critical thinking skills and encourages their academic independence. Conceived as a college-level introduction to literature course, AP English covers a complete range of literature and demands much of each student. This course requires close reading of texts, and students will practice analytical and critical writing to heighten their critical and rhetorical abilities. Students will complete numerous timed writings and review previously administered exams in preparation for the AP Lit and Comp exam in May. Students who receive a 3 or better on the AP exam may be eligible for college credit. Two research papers are required in this class. It is recommended that students who enter AP English Lit from AP English Language receive a score of 3 or better on the AP Language and Composition exam. Suggested PRE: AP English 1 (85 average or higher) CR 5, YO 12

IB English Literature HL 2 (1122) - The second year of the IB English curriculum involves two parts. First, the class conducts detailed study of several works of various genres. Students are assessed through an extensive oral evaluation which includes a formal oral commentary of poetry and a student-teacher discussion of a work of another genre. The second half of the year is spent reading and analyzing texts of a specific literary genre; students complete two year-end external written exams based on at least two works studied. PRE: IB English HL1; CR 5, YO 12

Rutgers Expository Writing Program (1119) – This course prepares students for college writing and fulfills their 12th grade English requirement. The course is aligned with Expository Writing 101, the cornerstone of the Rutgers University Writing Program. Students who successfully complete program requirements will be eligible to earn college credit through an articulation agreement with Rutgers University. This course is weighted at the advanced placement level. CR 5, YO 12

Creative Writing 1 (1150) – Fall - This course follows the premise that to write well, one must know good writing. Creative Writing 1 requires students to study major works of European and American prose, poetry, and drama in an effort to assess each writer’s style and creative strategy. Students then incorporate what they learn into their own original works. CR 2.5, YO 9,10,11,12

Creative Writing 2 (1151) – Spring – This course is for students who wish to continue writing poetry, short stories and plays. Students will become more sensitive to themselves and to life through the process of writing. They will learn and become familiar with literary techniques and practice their use and gain critical insight into what makes good writing by reading and evaluating pieces written for the class. PRE: Creative Writing 1; CR 2.5, YO 9,10,11,12

Film Studies (1152) – This elective course is an introduction to the art of film. The students will learn about film terminology, tools and techniques, different modes and models of criticism, interpretation, and film theory, as well as the history of film and the film industry. The students will utilize Stephen Prince's *Movies and Meaning* as their textbook. CR 2.5, YO 10, 11,12

Film Studies 9 (1160) – This elective course is an introduction to the art of film. The students will learn about film terminology, tools and techniques, different modes and models of criticism, interpretation, and film theory, as well as the history of film and the film industry. The students will utilize Stephen Prince's *Movies and Meaning* as their textbook. CR 2.5, YO 9

Introduction to Philosophy (1159) - This course is an introduction to the examination of the “big questions” geared toward helping students learn to articulate their worldview and take a stand on the meaning of life. Through current topics, it introduces students to the overarching issues explored by philosophers and lets them explore some of the more famous thinkers while critiquing their positions. Students will read, write about and discuss the works, but they will also directly respond to and develop their own positions. CR 2.5, YO 10, 11, 12

Advanced Graphic Novels and Visual Literacy (1155) - In this rigorous full-year course, students will explore the connection between the visual and literary arts by learning about the long history behind today's graphic novels from around the world. Students will investigate how graphic novels must carefully balance between narratives told through images and words, and how line, color, composition, visual pacing and tone contribute a text's meaning. Students will also explore topics such as censorship, translations between different media, heroic archetypes, the art of storytelling, and much more. Students should have an interest in literature or the visual arts, but specific prior knowledge of graphic novels is not required. Class activities will include reading graphic novels and graphic-narrative theory and scholarship, discussion of various texts, and creative and analytical writing. **This course will be a concurrent enrollment course offered through Fairleigh Dickinson University where students may earn 3 college credits upon payment of a reduced tuition and successful completion of the course.** CR 5, YO 11,12

Honors Philosophy (2200) - This challenging course takes students on a tour of the history of thought, integrating the study of the most influential philosophers with the chance to develop and defend original perspectives. The course progresses from Ancient Greece to the modern-day, exploring the "big questions" of Being, Knowledge and Action through a broad variety of media examples, thought experiments and project-based assessments. Interested students should be prepared for scholarly discussion and advanced readings and research assignments, but also for an intellectually enriching experience that will expand their horizons of critical thought. CR 5, YO 11,12

Multicultural Literature (1158) - This course focuses on literature and folklore by and about people of diverse ethnic backgrounds. Students explore themes of linguistic and cultural diversity by comparing, contrasting, analyzing, and critiquing writing styles and universal themes. This course emphasizes critical and creative thinking and writing. Class assignments and learning activities will be designed to reinforce Common Core skills and provide opportunities for students to express their abilities in a variety of mediums. Various print and non-print texts from many cultures and subcultures will be discussed and analyzed through written, verbal and nonverbal methods. An emphasis will be placed on becoming an active rather than passive consumer of texts. CR 2.5, YO 11, 12

Public Speaking (1154) - This is a basic course for the student with little knowledge of, but a curiosity about, the skills necessary for public speaking. The course is designed to introduce the student to the basic aspects of public speaking by simulating numerous public speaking scenarios. The course involves both written and oral critiques of performances. Preparation for the performance assignments is the major homework component. CR 2.5, YO 10,11,12

SENIOR YEAR ENGLISH COLLEGE PREP EXPLORING OPTIONS

Students will have an opportunity to meet the English 4 graduation requirements through the exploration of two of the four semester core English classes detailed below. These half year classes, if taken, will replace the traditional English 4 CP class. The classes will be a rigorous journey through the genre while analyzing some of the quintessential works within the genre.

English 4 CP: Exploring Bestseller Literary Fiction (1124) - This 1-semester core English class will examine contemporary novels and short stories appearing on the New York Times' bestseller list within the past ten years. The focus will be on the appreciation of literary features, as well as discussion and written analysis of texts. During the first semester, students will also write a research paper that fulfills RBR's graduation requirement. CR 2.5, YO 12

English 4 CP: Exploring Mystery Fiction (1125) - This 1-semester core English class will utilize famous mystery novels and short stories across decades and literary movements to track patterns and techniques found throughout literature. Students will work with some Sherlock Holmes shorts, Dan Brown's *Angels and Demons*, Agatha Christie's *And Then There Were None*, and Truman Capote's *In Cold Blood*, along with other selections, to apply and develop a variety of analysis, discussion, and writing techniques. CR 2.5, YO 12

English 4 CP: Exploring Speculative Fiction Literature (1126) - This 1-semester core English class explores the field of speculative fiction through selections from its greatest writers, from "golden age" authors like Isaac Asimov and Arthur C. Clarke to "new wave" innovators including Octavia Butler and Ursula K. Leguin. It concludes with a survey of rising star Ted Chiang's cutting-edge short stories and the film *Arrival* based on his work. The goal is to use these visions of possible futures as a window to examining our present and its technological, sociopolitical and cosmological issues. CR 2.5, YO 12

English 4 CP: Exploring Sports and Literature (1156) - This 1-semester core English class is designed to explore the world of sports, and how writers attempt to convey it to their reader. This class is where sports and literature converge to create a setting that often captivates and moves the readers. Students will be introduced to a wide variety of genres throughout the semester to help illustrate the various ways in which sportswriters illustrate the impact that sports reading literature has on the world in which we live. The course is broken down into 5 major themes: The Inspiration, Generations and Locations, The Comeback, Social Impact, and The Dark Side of Sports. Along the way, students will analyze heroic traits and how they apply to our sports figures. Students will critically read the text in order to discuss the purpose and audience of the works being studied. They will explore how the works influence our emotions and our views of ourselves and our surroundings. Students will also evaluate the unique style of writing that is used in sports literature. Furthermore, students will investigate the importance of sports in their own lives, and how it helps form one's current identity. CR 2.5, YO 12

ENGLISH LANGUAGE LEARNER COURSES

ELL 1 (1200) – Using a four-skills (reading, writing, listening, speaking) approach, students gain a solid foundation in essential skills and strategies through authentic literature and informational readings. This course is designed for newcomer students as a means of building academic skills to be further developed in subsequent English Language Learner courses. The course focuses on the following:

- Reading Practice that includes Content Area Readings in social studies, science, math, literature, and history.
- Functional Language.
- Basic grammatical concepts.
- Vocabulary development.
- Learning strategies.
- Cultural aspects of formal and informal settings in the U.S.
- Critical/close reading skills
- Incorporating the use of textual evidence
- identifying primary and secondary resources
- technology skills and use of academic databases

These classes meet for a full block both A & B days. CR 10, YO 9,10,11,12

ELL 2 (1201) – In this course, students continue to develop academic content-area vocabulary. Students develop proficiency in using their understanding of grammatical structures, cultural knowledge and language arts skills in context. Students read a wide variety of thematically linked selections, including literature and informational texts. Each selection helps students develop their understanding of the academic language necessary for school as well as the viewing, listening, speaking, and writing skills they need to begin to transition into the mainstream curriculum. These classes meet for a full block both A & B days. CR 10, YO 9,10,11,12

ELL 3 (1203) – The third in the series, this class is for more advanced ELL students. This class refines student writing skills, development of grammar, and literary elements. Students will explore in-depth literary analysis skills. The class will support the student endeavors in the general education classes which may include public speaking skills, analytical writing support, as well as providing additional support for developing PARCC related skills. CR 5, YO 9,10,11,12

ELL 4 (1204) – This is a supplemental ELL course for the highest-level ELL student. The third in the series, this class is for more advanced ELL students. This class refines student writing skills, development of grammar, and literary elements. Students will explore in-depth literary analysis skills. The class will support the student endeavors in the general education classes which may include public speaking skills, analytical writing support, as well as providing additional support for developing PARCC related skills. CR 5, YO 9,10,11,12

FAMILY, CONSUMER AND LIFE SCIENCE Courses

Child and Personal Development (6676) – The course begins with the study of children from the prenatal stage through middle childhood. The physical, intellectual, emotional, social, and moral development of each age is covered. Emphasis is placed on useful childcare skills and positive methods of behavior management. Projects include children’s nutrition, toy analysis, creative story presentation, and an infant simulator experience. The course continues with personal development and independent living skills. Money management, budgeting, bank accounts, check writing, and consumer skills are included. Additional topics of study include nutrition, interior design, and sewing (hand and machine). The class is a prerequisite for Preschool Lab. CR 5, YO 10,11,12

Fashion 1, Art and Design (6670) - This course was built focusing on the first level of FIT and Nine Heads, the book. The course is rigorous beginning with drawing and anatomy for fashion, moving to design by hand and digitally, and marker comps. Students will begin to see all the steps taken in the production of a garment. They will learn about the business and marketing end of fashion, target, forecasting, the color of the year, price point, buying, and selling. The second half of the year is devoted to production, learning the anatomy of the sewing machine, pattern making, and producing a one-of-a-kind piece. Intertwined in the course are articles, documentaries, and ID book pages for inspiration. By the end of this course, the students will walk away with a library of information and a finished piece. PRE: Art 1; CR 5, YO 10,11,12

Fashion 2 (6678) - Students will work independently reflecting and applying what was learned in level I. A heavy focus will be placed on various styles of production from rubbing off to draping. Rigor is intense, however, students who do well in level I will rise to the occasion in level II. PRE: Fashion 1; CR 5, YO 11, 12

Culinary Arts 1 (6671) - This is an introductory half-year class that is a prerequisite to other culinary classes. In this course, the students will learn the basic fundamentals of the kitchen and food preparation. Units include safety/sanitation via ServSafe Food Handler Certification, baking basics, knife skills, tools and equipment, and culinary math/measurements. Recipes featuring varied cooking techniques will include proteins, grains, potatoes, pasta, fruits, and vegetables that highlight nutritional value. As part of an agreement with Brookdale Community College, students may additionally earn Brookdale credits through Tech Prep Portfolio option. CR 5, YO 9,11

Culinary Arts 2 (6672) - This course designed to introduce students to the culinary arts as a profession. Students will explore various cooking techniques. The emphasis in this course is given to the development of basic competencies related to the culinary arts profession, food preparation, basic menus, and recipes, standardization, and kitchen procedures. **As part of an agreement with Brookdale Community College, students may additionally earn Brookdale credits through Tech Prep Portfolio option.**
PRE: Culinary Arts 1; CR 5, YO 10,12

Pre-School Lab 1/2 (6677) - In this full-year laboratory course, students plan and operate a nursery school for preschool children. High school students study child guidance, curriculum planning, and techniques for teaching preschoolers. They prepare lesson plans and act as the teacher of the day. This course offers students an opportunity to interact with children and learn about child development and behavior through personal experience. This class is an excellent prerequisite for a career related to children as well as for personal enrichment. PRE: Child and Personal Development; CR 10, YO 11,12

Tomorrow's Teachers (2255) - The primary goal of this program is to encourage academically able students who possess exemplary interpersonal and leadership skills to consider teaching as a career. It includes three themes: Experiencing the Learner; Experiencing the Profession and Experiencing the Classroom. A variety of hands-on activities and a strong emphasis on observations, and field experiences are provided. **This is a concurrent enrollment course offered through Fairleigh Dickinson University where students may earn 3 college credits upon payment of reduced tuition and successful completion of the course.** CR 5, YO 12

Global Citizenship for the 21st Century (6669) - In this course, students will be introduced to key aspects of the Red Bank Regional school community. The course is divided into four key sections. In the first session, students will focus on the multiple career opportunities they will be exposed to at RBR. In the second session, students will develop key 21st Century skills including an infusion in current technology such as Google Classroom and Microsoft Office. During the third section, students will develop their interpersonal and communication skills. Finally, students will be exposed to the many aspects of global citizenship as they will eventually journey outside "Buc Nation" and into the world. Throughout the course, students will create a portfolio of their best work that will culminate during the final section of the study.
CR 5, YO 9

MATHEMATICS COURSES

Foundations of Algebra (1206) - This course provides students with a strong mathematical foundation in preparation for success in an Algebra 1 course. The main focus is to simultaneously build confidence with mathematical abilities and content literacy skills that will be further developed in subsequent math courses. Course content is determined based upon student aptitude with the goal of strengthening algebraic skills by the end of the course. CR 5, YO 9,10,11

Algebra 1 (3302) - This course develops an understanding and modeling of a variety of real-world situations using Algebra. Skills include operations with real numbers, exponents and polynomials, and working with radical expressions and equations. Successful completion of the course builds on prior knowledge of linear functions and includes graphing and finding solutions for linear, quadratic, exponential, piecewise, and absolute value functions, systems of equations, and inequalities. In addition, transformations of these functions will be a focus of study. Modeling includes both abstract and concrete forms of representation for a complete understanding of Algebra. CR 5, YO 9,10,11

Honors Geometry (3306, 3307) - This course integrates algebraic and geometric concepts to provide both abstract and real-world applications of geometry, and the development of inductive and deductive reasoning, communication skills, and problem-solving techniques. Students will discover relationships between two and three-dimensional geometric figures, study transformations and rigid motions, and learn to reason logically in order to solve abstract geometric proofs. Formal geometric constructions will be completed in order to discover and verify relationships between figures. Reasoning will also be applied to the study of congruence and similarity, relationships found in circles, and real-world applications. This course provides students with the conceptual framework, practical application, and analytical skills necessary to meet the needs of strong mathematics students and support their future study in mathematics and science. PRE: Algebra 1 with a suggested average of 90 or higher and a teacher recommendation. CR 5, YO 9, 10, 11

Geometry (3308) - This course integrates algebraic and geometric concepts as students discover relationships between two and three-dimensional geometric figures, study transformations and reason logically in a step-by-step approach in order to solve geometric proofs and real-world applications. Logical reasoning is also applied in finding measurements, including area and volume, length of segments, degrees of angles, area and perimeter of polygons, and applications of the distance and slope formulas. Transformations are applied in the study of congruent and similar figures, including the completion of geometric proofs. PRE: Algebra 1 with a suggested average of 75 or higher. CR 5, YO 10,11,12

Geometry Concepts and Applications (3310) - This course integrates algebraic and geometric concepts as students discover relationships between two and three-dimensional geometric figures, study transformations and reason logically through real-world applications. Logical reasoning is also applied in finding measurements, including area and volume, length of segments, degrees of angles, area and perimeter of polygons, and applications of the distance and slope formulas. Transformations are applied in the study of congruent and similar figures. PRE: Algebra 1; CR 5, YO 10,11,12

Honors Algebra 2 (3325) - This rigorous course is designed for the strong mathematics student in preparation for Honors Pre-Calculus. Topics covered include linear, quadratic, polynomial, rational, exponential and logarithmic functions, systems of equations, polynomial and rational expressions, and sequences and series, with an emphasis on modeling and real-world applications. Students also study radicals, irrational numbers, complex numbers, quadratic relations and systems, exponents and logarithms, conic sections, trigonometry, and probability and statistics. Throughout this course students will use technology to facilitate their understanding of the topics being studied. PRE: Algebra 1 and Geometry or Honors Geometry with suggested averages of 90 or higher and a teacher recommendation. CR 5, YO 10,11

Algebra 2 (3320) - Algebra 2 is the second course in the Algebra sequence, continuing the study of linear and nonlinear functions. Students will analyze and interpret polynomial, exponential, logarithmic, rational equations and functions, trigonometric functions, trigonometry, and probability and statistics, with an emphasis on modeling and problem-solving. Throughout this course, students will relate topics to real-world applications and use technology to facilitate their understanding of the topics being studied. Algebra 2 provides the framework of mathematical skills and knowledge needed for advanced courses in mathematics. PRE: Algebra 1 and Geometry with suggested averages of 75 or higher. CR 5, YO 10, 11, 12

Algebra 2 Concepts (3324) - This course builds on the concepts begun in Algebra 1, developing a deeper understanding of linear and nonlinear functions. The study includes abstract concepts and applications including real numbers, equations and inequalities, polynomials, rational expressions and functions, exponents, radicals, linear and quadratic equations, trigonometry, and probability and statistics, with an emphasis on modeling and problem-solving. Throughout this course, students will use real-world applications and technology to facilitate their understanding of the topics being studied. PRE: Algebra 1 & Geometry. CR 5, YO 11,12

Honors PreCalculus (3327) - A challenging course for the strong math student stressing work with polynomial, trigonometric, logarithmic, exponential and inverse functions. Topics covered include analytic trigonometry, vectors, parametric and polar functions, matrices, and analytic geometry in three dimensions. Discrete mathematics and an introduction to Calculus then provide each student with a thorough background for the study of calculus. PRE: Geometry and Algebra 2 with suggested averages of 90 or higher or Honors Algebra 2 with a suggested average of 85 or higher. CR 5, YO 10, 11, 12

PreCalculus (3326) - This course provides an essential understanding of trigonometry and the study of functions and their graphical characteristics that are needed for further coursework in mathematics. Topics include linear, quadratic and polynomial functions, exponential and logarithmic functions, analytical trigonometry, and conic sections. This course culminates with an introduction to Calculus, providing a strong background for higher-level math coursework. PRE: Honors Geometry and Honors Algebra 2 with suggested averages of 75 or higher and/or Geometry and Algebra 2 with suggested averages of 85 or higher. CR 5, YO 11,12

Calculus (3328) - A non-honors full-year course that introduces the fundamental elements of differential and integral calculus by including functions, limits, derivatives, exponential and logarithmic functions, derivatives of exponential and logarithmic functions, anti-derivatives, definite integrals, trigonometric functions, techniques of integration, and simple differential equations. PRE: Pre-Calculus with a suggested average of 80 or higher. CR 5, YO 12

AP Calculus AB (3329) - A full-year course in calculus following the AP syllabus recommended by C.E.E.B. Topics include differentiation and integration of polynomial, trigonometric, logarithmic, and exponential functions with such practical applications of the above as maximum-minimum area under a curve, and solids of revolution. Students are expected to take the AP exam. PRE: Honors PreCalculus with an average of 80 or higher or PreCalculus with an average of 90 or higher, completion of summer independent study project, and teacher recommendation. CR 5, YO 12

AP Calculus BC (3330) - An intensive full-year course in calculus following the AP syllabus recommended by C.E.E.B. It is a course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics in the areas of Functions, Graphs, and Limits; Applications and Computation of Derivatives; Applications of Integrals; Techniques of Antidifferentiation; and Polynomial Approximations and Series. Students are expected to take the AP exam. PRE: Honors PreCalculus with an average of 90 or higher, successful completion of summer work, and teacher recommendation. CR 5, YO 11,12

Multivariable Calculus (3333) - This advanced calculus course is designed for students interested in majoring in science, mathematics, or engineering. The course covers vectors and the geometry of space, vector-valued functions, functions of several variables, partial derivatives, and multiple integrals. PRE: AP Calculus BC. **This course is a concurrent enrollment course offered through Syracuse University (Calculus III MAT397) where students may earn college credits upon payment of a reduced tuition and successful completion of the course.** CR 5 YO 11, 12

AP Statistics (3341) - This intensive course is designed for students planning to continue their studies in mathematics or science. This course follows the AP Statistics syllabus as outlined by the College Board. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns and statistical inference. Upon completion of the course, students should be able to design an experiment, collect appropriate data, select and use statistical techniques to analyze the data, and develop and evaluate inferences based on the data. Ideas and computations presented in this course will have immediate links and connections with actual events. Graphing calculators and computer software will be utilized as tools for data analysis. Students are expected to take the AP exam. Note: Students who are considering any math-related field of study in college should not take AP Statistics in lieu of PreCalculus/Calculus but may wish to take AP Statistics in addition to these courses. PRE: PreCalculus with a suggested average of 85 or higher. CR 5, YO 11,12

Statistics (3340) - This full-year math course covers statistical concepts necessary for those planning to continue their studies in social science, business, or engineering field. The purpose of this course is to introduce students to the basic concepts and techniques for collecting and analyzing data, drawing conclusions from data, and making predictions about data. The emphasis in this course will be on concepts and practical uses of statistics in research studies and the media, rather than in-depth coverage of traditional statistical methods. Students will work on projects involving hands-on gathering and analysis of real-world data with applications that may be drawn from a variety of disciplines, including the social sciences of psychology and sociology, education, business, economics, engineering, the humanities, communications, and liberal arts. Graphing calculators and computer software will be utilized as tools for data analysis. Note: Students who are considering any math-related field of study in college should not take Statistics in lieu of PreCalculus/Calculus but may wish to take Statistics in addition to these courses. PRE: Algebra 2 with a suggested average of 80 or higher or Algebra 2 Concepts with a suggested average of 85 or higher. CR 5, YO 11, 12

IB Mathematics: Analysis and Approaches SL (3374) - The IB DP Mathematics: analysis and approaches course recognize the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent and rigorous way, achieved by a carefully balanced approach. Students are encouraged to apply their mathematical knowledge to solve abstract problems as well as those set in a variety of meaningful contexts PRE: Honors Pre-Calculus or Pre-Calculus with a suggested average of 85 or higher. CR 5, YO 11,12

IB Mathematics: Applications and Interpretation SL (3370) - The IB DP Mathematics: applications and interpretation course recognize the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modeling. Students are encouraged to solve real-world problems, construct and communicate this mathematically and interpret the conclusions or generalizations. Students should expect to develop strong technical skills and will be intellectually equipped to appreciate the links between the theoretical and practical concepts in mathematics. PRE: Algebra 2 & Geometry with suggested averages of 85 or higher or Algebra 2 & Geometry Concepts with suggested averages of 90 or higher. CR 5, YO 12

Advanced Algebra & Trigonometry (3355) - This full-year course explores a variety of functions that were introduced in Algebra 2 and builds upon prior student knowledge. It is designed for and offered to students who intend on attending college but may need more in-depth review and application of the concepts discussed, including but not limited to the following types of functions: linear, quadratic, polynomial, rational, radical, exponential, logarithmic, and trigonometric. The course will be presented in a blended format, using mini lessons, small group instruction, and mathematics software. Preparation for college placement exams is integrated within the course. PRE: Geometry & Algebra 2 CR 5, YO 12

PHYSICAL EDUCATION & HEALTH/DRIVERS ED. TRAINING COURSES

Physical Education 9 (8000), 10 (8010), 11 (8020), 12 (8030) - Physical Education is a required four-year course in which students will improve their physical fitness and develop an awareness of lifetime physical activities. Freshmen and sophomore classes provide an introduction to team sports and the Adventure Education program, the junior and senior classes focus on lifetime activities. Team sports may include football, soccer, lacrosse, softball, basketball, and lifetime sports that include volleyball, badminton, pickleball, tennis, as well as weight training and fitness. Students are graded on participation, skill development, and a written final is taken for each activity to assess their knowledge of the activity. CR 3.75, YO 9,10,11,12

Health 9 (8001) - Health Education in grade nine is a required course in which students are scheduled for a marking period from their physical education class. The course examines the topics of wellness, signs of suicide, relationships, sexual reproduction, alcohol and tobacco, and sexually transmitted diseases. Activities include individual and group projects, tests, quizzes, and homework assignments. CR 1.25, YO 9.

Health 10 Driver's Ed (8011) - Health Education in grade ten is a required course in which students are scheduled for a marking period from their physical education class and is focused on driver education. Topics include signs of suicide, documents and licensing, drinking and driving, rules of the road, safe and defensive driving, driving techniques and attitudes. Students will be given the NJ Motor Vehicle Commission written test at the conclusion of the course. A grade of 80% or greater on this state test is required to begin the process of obtaining a driving permit and license. Activities include homework assignments, quizzes, and projects. CR 1.25, YO 10

Health 11 (8021) - Health Education in grade eleven is a required course in which students are scheduled for a marking period from their physical education class. The course examines the topics of family management, signs of suicide, diseases, nutrition, drug education, stress management and mental illness. Activities include projects, tests, quizzes, and homework assignments. CR 1.25, YO 11

Health 12 CPR/First Aid (8031) - Health Education in grade twelve is a required course in which students are scheduled for a marking period from their physical education class. Topics include skills in CPR certification for adult, child and infant, first aid, dating violence, signs of suicide and drug education. The American Red Cross test will be administered at the conclusion of the course and students may become certified. Activities for the course include quizzes, tests and homework assignments. CR 1.25, YO 12

Foundations of Exercise Science and Wellness (8050) - This course offers an introduction to wellness through investigation of lifestyle and other critical issues in fitness, sports, exercise science and wellness. Changing philosophies and basic concepts are introduced. **This is a concurrent enrollment course offered through Georgian Court University where students may earn 3 college credits upon payment of reduced tuition and successful completion of the course.** Recommended PRE: Biology and Chemistry with an average of 80. CR 2.5, YO 12

Introduction to Sports and Entertainment Marketing (8016) - The students will receive an introductory look at the components of a marketing plan, primarily the marketing mix. Students will identify the similarities and differences between sports and entertainment and other products, with the primary focus on gaining an understanding of the four components of the marketing mix. In addition, the students will be responsible for designing a new product, as well as analysis of various pricing and distribution considerations and strategies. The students are introduced to market research techniques and general market segmentation categories. The importance of the branding process and the various branding strategies are implemented to differentiate the products. Methods used to create additional revenue streams, such as licensing and sponsorship agreements, are also discussed. Lastly, the students are responsible for the promotional planning of their new products through the marketing plan. Completion of this course AND Introduction to Sports Management will satisfy 2.5 credits toward the 21st Century Life and Careers requirement. CR. 2.5, YO 10, 11, 12

Introduction to Sports Medicine (8015) - This course will introduce the student to the fields of allied health care and sports medicine. Career exploration will include athletic training, medicine, physical therapy, emergency medicine, nursing, exercise physiology, nutritionist/dietician, personal fitness training. Topics will include but are not limited to care, prevention, and rehabilitation of sports-related injuries, basic anatomy and physiology, emergency care, strength and conditioning, nutritional aspects, fitness and wellness. Students will have opportunities to develop their skills and knowledge through the use of various text, visual, and hands-on experiences. Guest lecturers and field trips will also be utilized in this course. Completion of this course AND Introduction to Sports Management will satisfy 2.5 credits toward the 21st Century Life and Careers requirement. CR 2.5, YO 10, 11, 12

Nutrition in Exercise, Wellness & Sports (8051) - This college-level course will examine why nutrition is significant and its relationship to the human body. Students will acquire a general body of nutrition knowledge based on scientific principles. Students will explore a variety of controversial issues related to food and nutrition and explain the importance of balancing nutrition with physical fitness. **This is a concurrent enrollment course offered through Georgian Court University where students may earn 3 college credits upon payment of a reduced tuition and successful completion of the course.** Juniors may take this course with the instructor's approval. Recommended PRE: Biology and Chemistry with an average of 80. CR 2.5, YO 12

Introduction to Sports Administration (8052) - This course will provide an overview of the issues, trends, and concerns of the industry. Students will learn current practices and procedures used by practitioners in the field. Students will be introduced to different occupations and job titles currently in place. Students are expected to begin developing the skills and experiences necessary to be successful as a sports executive. **This is a concurrent enrollment course offered through Fairleigh Dickinson University where students may earn 3 college credits upon payment of reduced tuition and successful completion of the course.** CR 5, YO 12

Sports & Hospitality Marketing Management (8018) - This course is an extension of the introductory course and expands upon the research process as well as and operational aspects of event management. This course is designed to allow students to apply their understanding of general marketing concepts to create a fictitious sports franchise, where responsibilities will include market research and analysis for a new stadium location, as well as planning of a particular event and identifying sources of revenue generators. Through project-based learning assignments, the students are exposed to all elements of the Marketing Mix and conduct market research and analysis to assist in the evaluation and selection of a potential site during the product planning phase for their franchise. The students are introduced to the market segmentation process and the various methods used to target potential consumers. The students learn about the branding process, the role of product licensing and their agreements as well as development and maintenance of the product mix and will be responsible for creating the branding strategy and image for their newly developed franchise. In addition, students will gain an understanding of the facility design and operations through activities such as ticket pricing, sponsorship and concession agreements, event staffing, and security issues and concerns. PRE: Marketing, Intro to Sports and Entertainment Marketing. CR: 5, YO: 11

Sports Medicine 2 (8017) - This course will further introduce the student to the fields of allied health care. Students will gain practical knowledge in the care, prevention, and rehabilitation of sports related injuries, basic anatomy and physiology, emergency care, strength and conditioning, nutritional aspects in sports, fitness/wellness, and sports performance. Students will have opportunities to develop their skills and knowledge through the use of various text, visual, and hands-on experiences. Entry-level college/university degree programs look favorably upon students who have had previous experience in the allied health care fields. Recommended PRE: Intro to Sports Medicine with an average of 80. CR 5, YO 11, 12

SCIENCE COURSES

Biology (4403 Grade 9, 4405) – This course provides an understanding of structure and function of living things. It examines the chemistry of life, cells, genetics and heredity, evolution, classification and diversity, and ecology. Emphasis is placed upon the development of scientific methods and analysis and evaluation based on observation, experimentation, and class discussions. Laboratory experiences and demonstrations are constantly utilized throughout the course. CR 6, YO 9, 10

AP Biology (4410) - This intensive course examines molecular, cellular, organism, and population biology through the study of chemical basis, cells, enzymes, energy transformation, cell division, chemical nature of the gene, the origin of life, plant structure and function with emphasis on angiosperms, plant reproduction and development, animal structure and function with emphasis on vertebrates, animal reproduction, development, heredity, evolution, ecology, behavior. The course follows the CEEB guidelines including labs. Students are expected to take the AP exam and participate in dissections. PRE: Biology (4403,3305) and Chemistry (4430, 4440) with suggested averages of 90 or higher, completion of summer work, and teacher recommendation. CR 6, YO 11,12

IB Biology SL (4490) - The intent of this rigorous course is to provide students with a holistic approach to the study of living things. The specific emphasis is on a practical approach through experimental work where students should become aware of how scientists work and communicate with each other. Topics of study include cellular biology, molecular biology, genetics, ecology, evolution and biodiversity, human physiology, along with an additional option. Students will have opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. All students enrolled in the course are required to complete a 10-hour investigation resulting in a research paper (internal assessment) as well as the IB exam (external assessment), integral parts of the certificate and diploma processes. PRE: Biology (4403,4405) and Chemistry (4430, 4440) with suggested averages of 85 or higher and teacher recommendation. CR: 6, YO 11, 12

Biomedical Science (4485) - This course is intended for college-bound students who are pursuing a career in the medical or health science field. Students will explore medical terminology, medical professions, clinical laboratory assessments, and pathology associated with several areas of specialty, including but not limited to emergency medicine, cardiology, neurology, dermatology, and infectious disease. PRE: Biology (4403,4405) with a suggested average of 85 or higher. CR 5, YO 11, 12

Chemistry (4430) - This course will provide students with a comprehensive up-to-date approach to an extensive study of matter. Topics studied include those traditionally taught in an introductory course in chemistry such as atomic structure, the periodic table, chemical composition, gas laws, and solutions and their behavior. Emphasis is also placed on performing and understanding stoichiometric calculations. Laboratory experiences and demonstrations are constantly utilized throughout the course. PRE: Biology and Algebra 1; CR 6, YO 10,11,12

Honors Chemistry (4440) - This rigorous course stresses the relations between structure and properties of matter but also demonstrates the relation of chemistry to mathematics and physics. This math-intensive course is designed to give students an understanding of the fundamental principles of inorganic chemistry throughout the development of the laws and theories that give a logical interpretation of chemical phenomena while emphasizing the mathematical foundation of modern chemical theory. Emphasis is also placed on the relationship of atomic structure and bonding to the physical and chemical properties of substances. Laboratory experiences and demonstrations are constantly utilized throughout the course. This class will prepare students who are interested in taking AP Chemistry. PRE: Biology and Algebra 1 with suggested averages of 90 or higher and teacher recommendation. CR 6, YO 10,11

AP Chemistry (4450) - This fast-paced, intensive course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. It is intended for those students whose academic needs are directed towards careers in medicine, engineering, pharmacy, and related fields of similar demands. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. A special emphasis will be placed on the seven science practices (curricular requirements), which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. The course investigates advanced concepts in atomic structure, chemical bonding, electrochemistry, thermodynamics, chemical kinetics, equilibrium, group analysis, and qualitative analysis of organic chemistry. A minimum of 25% of instructional time will be spent performing hands-on lab experiments. Students are expected to take the AP exam. PRE: Honors Chemistry and Algebra I with suggested averages of 90 or higher, completion of summer assignments and teacher recommendation. CR 6, YO 11,12

Physics (4460) - This algebra-based course introduces the traditional topics found in physics: motion, heat, light, kinetic theory, wave motion, gravitation, electromagnetism, and optics. Laboratory experiences and demonstrations are constantly utilized throughout the course. PRE: Biology, Chemistry, and Algebra 2 with a suggested average of 80 or higher. CR 6, YO 11,12

AP Physics 1/2 (4466) - This course integrates the topics in AP Physics 1 and AP Physics 2 into a one-year intensive study of Physics, following the CEEB guidelines. Students develop an understanding and appreciation of Physics, applying their knowledge through inquiry labs. This course covers, among other topics, Newtonian mechanics; work, energy, and power; mechanical waves and sound, fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. The course will provide a challenging, interesting, and intellectual atmosphere. Students are expected to take the AP Physics 1 and AP Physics 2 exams. PRE: Biology, Chemistry, and Algebra 2 with suggested averages of 90 or higher, completion of summer work, teacher recommendation, and concurrent enrollment in Honors PreCalculus or AP Calculus. CR 6, YO 11,12

AP Physics C (4464) - This course investigates advanced concepts in physics and follows the CEEB guidelines including labs. Topics include mechanics, electricity and magnetism at a level traditionally encountered in the first or second years of college. Methods of calculus studied at the AP Calculus levels are applied extensively. The course will provide a challenging, interesting, and intellectual atmosphere. Students will be prepared to take the AP C level Physics exam. PRE: AP Physics 1/2, completion of summer work, teacher recommendation, and concurrent enrollment in AP Calculus. CR 6, YO 12

Honors Anatomy and Physiology (4470) - This course for college-bound students is a study of the anatomy and physiology of the major systems of the human body. The focus will be on the relationship of structure and function in the normal condition. There will also be some discussion of the common pathologies in the systems covered. Laboratory experiences and demonstrations are constantly utilized throughout the course. Student responsibilities include dissections, lab reports, reading assignments, research, and presentations. PRE: Biology and Chemistry with suggested averages of 80 or better. **This is a concurrent enrollment course offered through Fairleigh Dickinson University where students may earn 3 college credits upon payment of reduced tuition and successful completion of the course.** CR 5 or 6, YO 11,12

IB Environmental Systems and Societies SL (4494) - The prime intent of this rigorous course is to provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. Students' attention can be constantly drawn to their own relationship with their environment and the significance of choices and decisions that they make in their own lives. It is intended that students develop a sound understanding of the interrelationships between environmental systems and societies, rather than a purely journalistic appreciation of environmental issues. The approach therefore is conducive to students evaluating the scientific, ethical and socio-political aspects of issues. Students meet for mandatory sessions over the summer. The purpose of these meetings is to complete the topic 1 material as well as take the topic 1 assessment. An independent research paper is due to complete the IB Internal Assessment, an integral component to the diploma process. PRE: Chemistry with a suggested average of 75 or higher. CR 6, YO 11,12

Environmental Science (4480) - This course is designed to introduce students to major ecological concepts and the environmental problems which affect the world in which they live. Students explore the impact of technology, examine social issues, and explore possible solutions. The goal of the course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Laboratory experiences and demonstrations are utilized throughout the course. PRE: Biology and Chemistry (Chemistry may be taken concurrently). CR 5 or 6, YO 10, 11,12

Forensic Science (4468) - Forensic Science combines Biology, Chemistry, and Physics in this rigorous course to provide an introduction to understanding the science behind crime detection. Forensic Science is focused upon the application of scientific methods and techniques to crime and law. Recent advances in scientific methods and principles have had an enormous impact on science, law enforcement, and the entire criminal justice system. In this course, scientific methods specifically relevant to crime detection and analysis will be presented. Emphasis is placed upon understanding the science underlying the techniques used in evaluating physical evidence. Topics included are blood analysis, organic and inorganic evidence analysis, fingerprints, hair analysis, DNA, drug chemistry, forensic medicine, forensic anthropology, toxicology, fiber comparisons, soil comparisons, and fire and engineering investigations, among others. Laboratory exercises will include techniques commonly employed in forensic investigations. PRE: Biology, Chemistry, and Algebra 2 with suggested averages of 85 or higher. **This course requires a concurrent enrollment through Syracuse University (Chemistry 113) where students may earn 4 college credits upon successful completion of the course. This course also requires payment of reduced tuition to Syracuse University.** CR 5 or 6, YO 11, 12

Marine Science (4481) - This course includes the history and development of marine science, the mechanisms and elements of coastal geology with a field-oriented study focused on Sandy Hook National Recreational Area. Other topics include an investigation of the chemical and physical properties of seawater, the formation and geological components of oceanic crust, and a study of marine mammals, Aves, reptiles, and ichthyology as well as shark physiology (dissections). Students are expected to participate in field trips and “hands-on” problem-solving activities both individually and as a group, write lab reports based on their analysis of data collected during activities and research involving periodicals, journal publications, and internet searches. Students are expected to complete a Field Guide of local marine life. PRE: Biology and Chemistry. CR 5 or 6, YO 10, 11,12

Dynamics of Healthcare in Society (4505) - Dynamics of Healthcare in Society is an orientation to healthcare and delivery, from an interdisciplinary perspective, with a focus on process skills to include critical thinking, ethical reasoning, effective communication, and self-directed learning abilities. The professional competencies stress application to general issues and topics common to all health care providers. Emphasis is placed on the role of the health care practitioner as both provider and consumer of health care services. **This course is a concurrent enrollment course offered through Rutgers University where students may earn 3 college credits upon payment of reduced tuition and successful completion of the course. *This 21st-century elective course will not meet science graduation requirements.** PRE: Biology and Algebra 1 with required averages of 70 or higher, concurrent enrollment in Chemistry. CR 5, YO 10, 11, 12

Medical Terminology (4506) - Medical Terminology is the study of words that pertain to body systems, anatomy, physiology, medical processes and procedures, and a variety of diseases. It provides a specialized language for the health care team, enabling health care workers to communicate in an accurate, articulate, and concise manner. This course is designed to give the students a comprehensive knowledge of word construction, definition, and use of terms related to all areas of medical science. The course includes but is not limited to terms related to the anatomy of the human body, functions of health and disease, and the use of language in diagnosing and treating conditions related to all of the human body systems. PRE: Biology and Algebra 1 with required averages of 70 or higher, Dynamics of Healthcare in Society (completion or concurrent enrollment is required). *If students are taking both Dynamics and Medical Terminology in the same year, Biology and Algebra 1 averages must be 80 or higher.* **This course is a concurrent enrollment course offered through Rutgers University where students may earn 3 college credits upon payment of reduced tuition and successful completion of the course. *This elective course will not meet science graduation requirements.** CR 5, YO 11, 12

SOCIAL STUDIES COURSES

Global Studies (2201) - This course will focus on the key political, social, and economic movements that have shaped World History from 1400 A.D. to the present day. The study will center around six geographic areas: Europe, China, India, Africa, Latin America, and the Middle East. Students in Global Studies will also take part in an extensive analysis of the Holocaust and other examples of human genocide. *In addition, students are eligible to receive an “Distinguished Scholar” designation with a coinciding 5-point GPA weighting by completing a series of rigorous academic requirements. Requirements may include, but are not limited to, marking period grades, advanced writing proficiency, student publications, advanced completion of homework assignments, and other criteria developed within the Freshman Academy. Criteria will be outlined at the start of the 21-22 school year and be provided to students and parents. The designation would be given at the completion of the school year and only assigned if all criteria are met. All students would be eligible for the honors designation.* CR 5, YO 9

Honors US History 1 (2205) - This course begins the first year of a three-year cycle in United States History for motivated students. The intensive study will be done in the critical aspects of historical work. Reading, analyzing, and synthesizing historical materials will be a major focus of the course. Activities will include projects, group work, oral and written reports, outside reading, essays, and debates. Suggested PRE: 90 or above in Global Studies, an average grade of 80 or above on both the Global Studies mid-term and final examinations, teacher recommendation. CR 5, YO 10

US History 1 CP (2203) – The course will focus on the growth and development of the United States from the colonial period through reconstruction. Topics will include the constitutional rights, obligations and privileges of citizens in the continually evolving relationship with their government. Historical facts and the examination of the early years of American history and culture will be covered. Activities include projects, group work, oral and written reports, speeches, and essays. CR 5, YO 10

AP American History (2209) - This AP program in American History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American History. In addition to an interpretive text, the course utilizes supplementary readings, documents, essays and letters to provide chronological and thematic coverage of special periods in American History. Students taking the course are required to take the AP American History test. Suggested PRE: Honors US 1 (85 or higher average), US 2 CP (93 or higher average), attendance at summer sessions and teacher recommendation. CR 5, YO 11

Honors US History 2 (2208) - This is the second-year course in a three-year cycle. Emphasis is placed upon independent research and utilization of the tools of the historian. Students are encouraged to demonstrate competence in undertaking and completing historical studies of the United States in the twentieth century. Activities will include simulations, authentic projects, oral presentations, and independent research. Suggested PRE: 80 or higher average in Honors US History 1 (2205), 90 or higher average in US History 1 CP (2203), teacher recommendation. CR 5, YO 11

US History 2 CP (2206) - This course will continue the study of the growth and development of the United States from reconstruction through the twentieth century. The social, economic, political, and international aspects of our nation will be stressed. Continued emphasis is made with regard to contributions made by women and various ethnic groups. Activities will include Native American simulation, propaganda project, journal project, oral reports, and essay tests. PRE: US 1; CR 5, YO 11

IB History of the Americas HL 1 (2220) - This course is open to any student intending to go to college and specifically meets the IB full diploma requirement for individuals and society (social studies). History of the Americas is a comparative course, which will integrate the histories of Canada, Latin America, and the United States from the 19th Century to the present, as well as World History Topics like The Cold War and 20th Century Wars. This course is designed to promote awareness and understanding of the countries in the Western Hemisphere along with a global perspective. An emphasis is placed on critical thinking, analysis of primary sources, and historical research. Students in this class should have average to above-average writing skills and above average or college-capable reading skills. In addition to serving as the first year of the IB curriculum for higher-level Social Studies, this course counts for graduation purposes as one year of United States history. The international perspective in Diploma Programme history provides a sound platform for the promotion of international understanding and, inherently, the intercultural awareness necessary to prepare students for global citizenship. Above all, it helps to foster respect and understanding of people and events in a variety of cultures throughout the world. PRE: US 1; CR 5, YO 11

Honors US History 3 (2210) - This course will continue the study of the growth and development of the United States from post-World War II into the twenty-first century. The social, economic, political, and international aspects of our nation will be stressed. Emphasis will be placed on the examination of the United States in its role involving global economics, technology, and international conflicts. Activities will include class projects, research, oral and written reports, and essay tests. Suggested PRE: Honors US 2 with an 80 or higher average or a 90 or higher average in US 2 CP (2206) and teacher recommendation. CR 5, YO 12

AP European History (2211) - The goals of the Advanced Placement Program in European History are to develop an understanding of some of the principal themes in modern European history, to develop an ability to analyze historical evidence, and to develop an ability to analyze and to express historical understanding in writing. Students will trace developments in European history through the examination of three central themes: Intellectual and Cultural History, Political and Diplomatic History, and Social History. Suggested PRE: Honors US 2 (85 or higher average), AP American History (85 or higher average), US 2 CP (93 or higher average), summer sessions, and teacher recommendation. CR 5, YO 11,12

IB History of the Americas HL 2 (2221) - History of the Americas is a comparative course, which will integrate the histories of Canada, Latin America, and the United States from the 19th Century to the present, as well as World History Topics like The Cold War and 20th Century Wars. This course is designed to promote awareness and understanding of the countries in the Western Hemisphere along with a global perspective. An emphasis is placed on critical thinking, analysis of primary sources and historical research. Students in this class should have average to above average writing skills and above average or college-capable reading skills. The international perspective in Diploma Programme history provides a sound platform for the promotion of international understanding and, inherently, the intercultural awareness necessary to prepare students for global citizenship. Above all, it helps to foster respect and understanding of people and events in a variety of cultures throughout the world. Students will be expected to complete the IB Internal Assessment and the IB exams in May. PRE: IB History of the Americas HL 1.
CR 5, YO 12

American Legal System/Criminal Law (2237) - This course is an elective that examines the evolution of our legal system and its lawmaking process. Emphasis will be placed on the rights and liabilities as they pertain to freedom of speech, the press, religion, right to privacy, due process, and discrimination. In addition, the course will concentrate on the nature of crimes, jury trials, and juvenile law and provide an understanding of basic legal terms and concepts and how law decisions affect everyday life.
CR 2.5, YO 10, 11,12

Contemporary World Issues 1 (2230) - The courses are two-semester courses that survey the major problems confronting Americans in the world today. Each problem will be studied as to its historical origins, geographic location, present status, potential implications, and the exploration of possible solutions. Current political, social, and economic questions will be examined utilizing reading, geographic, research, and analytical skills. Activities will include multicultural projects, oral reports, debates, atlas work, editorials, essays and tests. CR 2.5, YO 10, 11,12

AP Human Geography (2212) - The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine the human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Topics of study include: 1) Geography: Its Nature and Perspectives, 2) Population, 3) Cultural Patterns and Processes, 4) Political Organization of Space, 5) Agricultural and Rural Land Use, 6) Industrialization and Economic Development, and 7) Cities and Urban Land Use. This course will satisfy 2.5 credits toward the 21st Century Life and Careers requirement. CR 5, YO 11, 12

IB Psychology SL (2224) & IB Psychology HL (2226) - IB Psychology examines the interaction of biological, cognitive, and sociocultural influences on human behavior. This integrative approach helps students understand how psychological knowledge is generated, developed, and applied. Through this course of study, students learn to appreciate the diversity of human behavior and explore ethical considerations when conducting psychological research. There is a focus on one or two options (key areas, such as Human Relationships or Abnormal Psychology) and the replication of a simple experiment, the Internal Assessment, is required.

The main distinction between IB Psychology SL and HL is that SL students take part in a one-year course, use descriptive statistics on the Internal Assessment and study one option. Students in HL Psychology, a 2-year course, study all topics much more in-depth, carry out a more complicated Internal Assessment by calculating Inferential Statistics, must study two options plus investigate qualitative research methods.
CR 5, YO 11,12

Political Science (2232) - A semester course that examines the political processes from the following points of view: (1) structure, (2) the growth, development, and function of political parties, (3) the reciprocal relationships between citizens and their government. CR 2.5, YO 10, 11,12

Psychology (2236) - This course offers an academic introduction to various areas in the study of psychology. The program topics will include fields and careers in psychology, schools of thought to include historical and contemporary concepts, human development, key people, memory and thinking, various personality theories, dreams and sleep, and psychological disorders. CR 2.5, YO 10, 11,12

Sociology (2234) – Introduces students to the concepts and methods of the sociologist who studies man as a social being. Emphasis is placed on analyzing and objectively viewing issues, races and cultures in their own terms. Activities will include group work, oral presentations, tests, and projects. CR 2.5, YO 10, 11,12

IB Theory of Knowledge 1 (9010) & 2 (9011) - The main goal of this interdisciplinary course is designed to encourage students to think critically about knowledge itself and develop an appreciation of other cultural perspectives. Instead of only being focused on what we know, the primary purpose of TOK is to examine how we know, rather than what we know. What counts as knowledge? How does it grow? What are its limits? Who owns knowledge? What is the value of knowledge? What are the implications of having, or not having, knowledge? TOK activities and discussions aim to help students discover and express their views on knowledge issues, as well as explore international perspectives of knowledge. Ultimately, students will also acquire an understanding of what it means to know something as an artist, a scientist, a psychologist, an economist, a historian, a mathematician, a philosopher, etc., no matter where on the planet they are from and how the forms of knowledge acquired are interconnected. CR 5, YO 11, 12

TECHNOLOGY, INFORMATION TECHNOLOGY AND ENGINEERING COURSES TECHNOLOGY COURSES

Computer Aided Design (CAD) (6653) - Using different drawing methods, students learn the language of drawing and how to put their ideas to paper. Cutting edge Auto-Desk software is used to allow students to design in 2D or 3D and gives the students the ability to solve design problems. The course is designed for students who have interests in areas such as engineering, interior design, architecture, computer animation, industrial design, and illustration. PRE: Concurrent enrollment in Geometry. CR 5, YO 9,10,11,12

Digital Photography (6660) - This is a full-year course inspired by history, present practice, and the element and principles of art/design. Comparisons are made between where Photography began - hands-on, to the present - digital. Focus is placed on the use of photography within several career areas such as advertising, product/promotion creating conceptual imagery, Print - book and magazine, Graphic Design/Web, Journalism, Portrait, Fine art, Landscape, Nature, and Medical - micro and super micro. Within the year, students will begin with an introduction to editing in photoshop (transition from the darkroom), learn about the camera anatomy (DSLR vs SLR) and settings, how to achieve balance within the light triangle and composition (layout). Each composition will focus on one of the above topics taking the students through the various uses of photography within the 21st century. Students will begin to understand how solutions are achieved satisfying the various needs for photography within the world today. CR 5, YO 9, 10,11,12

Invention and Innovation (6652) - The course Invention and Innovation will focus around and, on the process, involved in the development of technological products from idea to manufactured product. Through the use of technology learning activities, students will incorporate skills from all subjects to solve real-world problems by developing actual product prototypes! Units of study would include areas in Product Research and Development, Materials Science, Manufacturing, Invention/Innovation, Package Design, Patents, Manufacturing History, and Environmental Impacts of Manufacturing Innovation. CR 5, YO 9, 10,11,12

Web Design 1 (6627) - This semester course will focus on the three basic design concepts for a Web site: information design (how to structure information); programming design (getting the site to function), and visual design (what the site will look like). A commonsense approach to design fundamentals will demonstrate how the Web homepage is a practical tool designed to capture and inform an audience. Students will be able to design their web pages using Macromedia Dreamweaver and add animations to them using Macromedia Flash and Fireworks. CR 2.5, YO 9,10,11,12

Web Design 2 (6628) - Students will learn the most important topics of HTML including creating multimedia Web pages with hypertext links, tables, frames, forms, and cascading style sheets. Students will learn the basics of XML including creating XML documents and binding data. Students will design and develop wireless web pages using XHTML and WML. PRE: Web Page Design 1. CR 2.5, YO 9, 10,11,12

INFORMATION TECHNOLOGY COURSES

AP Computer Science Principles (6640) - AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in Computer Science. The course requires two performance tasks and a multiple-choice exam. The programming language for the class is MIT App Inventor. CR 5 YO 9, 10, 11, 12

Honors Computer Science 2 (6641) - In this course, students will learn and implement proper coding techniques of the Python programming language. In this course, students will go through the software design process to create programs ranging from simple text applications to fully functional games. This course will focus on teaching object-oriented and event-driven programming concepts, algorithm design, data structures, conditionals, and APIs. This will help students to prepare for the AP Computer Science A course. PRE: AP Computer Science Principles with a grade of 85 or higher and supervisor and/or teacher recommendation. CR 5 YO 10, 11, 12

AP Computer Science A (6642) - AP Computer Science A is a rigorous curriculum that requires students to learn how to solve problems using computers. AP Computer Science A puts an emphasis on problem-solving techniques. Students will learn Computer Science concepts such as conditionals, looping, object-oriented programming, and data structures. The emphasis of the course is on the use of a logical approach and analytical thinking while using a computer to solve problems. The programming language used in this course is Java. This course prepares students to take the AP Computer Science A test. PRE: Honors Computer Science 2 with a grade of 85 or higher or teacher recommendation. CR 5 YO 11, 12

Honors Web and Mobile Application Development (6645) - In this course, the students will be creating applications to be used on the Internet. Students will be learning to create databases and create applications to store and access information in the database. Students will also be learning the CSS involved in making web applications available on mobile devices. Last, the focus will be on creating applications for both the iPhone and Android smartphones. Students will be continuing on in their studies of and analysis of Data Structures while learning how to create Web and Mobile applications. PRE: AP Computer Science A with a grade of 80 or higher and supervisor and teacher recommendation. CR 5, YO 12

Introduction to Computer Systems (6690) - The course prepares students to install and modify computer systems, analyze and repair system malfunctions, and install the software. Students will learn entry-level computer hardware concepts which include: a review of basic electronics, diagnosing computer systems, proper use of test equipment and tools, testing various operating systems, and implementing malware solutions. The curriculum includes hands-on labs in which students design and assemble a computer from components, configure peripherals and implement home networking solutions. CR 5, YO 9,10,11,12

Honors Networking (6691) - Students in this course develop an understanding of the features and functions of networking components and will possess the skills needed to install, configure and troubleshoot basic networking hardware, protocols, and services. The course includes hands-on labs that develop technical ability in the areas of media, topologies, protocols, network implementation, wireless standards, and Gigabit Ethernet. The course receives weighted credit as an Honors course. PRE: Introduction to Computer Systems with an average of 85 or better and teacher recommendation. CR 5, YO 10,11,12

Honors Cybersecurity (6692) - Coursework covers implementation and monitoring of security on network and computer systems. Students will learn how to identify and protect against security threats such as hackers, eavesdropping, and network attacks, as well as the basics of cryptography. The course includes hands-on labs that provide practice in the implementation of firewalls, certificates, VLANs, and Intrusion Detection. The curriculum is based on the SUPA (Syracuse University Project Advance) Cybersecurity course which incorporates the CompTIA Security+ Certification guidelines. PRE: Honors Networking with an average of 85 or better and teacher recommendation. **This is a concurrent enrollment course offered through Syracuse University where students may earn 3 college credits upon payment of reduced tuition and successful completion of the course.** CR 5, YO 11,12

Honors Digital Forensics (6696) - The course covers the fundamentals of cyber-crime scene analysis. Students will learn how to use basic digital information retrieval applications and tools; best practices in securing, acquiring, and examining digital data; the various laws and regulations dealing with computer forensics, including the rules of evidence and chain of custody. Students will examine how the lack of international legal standards affects the fight against cybercrime. The course includes hands-on labs with professional forensic software. The course receives weighted credit as an Honors course. PRE: Honors Networking and Honors Cybersecurity with an average of 85 or better and teacher recommendation. CR 5, YO 12

AOIT Help Lab (6701) - Students will learn what it is like to be part of an IT team by repairing computers and interacting with students to support RBR's 1:1 Chromebook initiative. Students will be instructed on techniques to troubleshoot and repair Chromebooks, as well as other district devices. They also learn how to interact with clientele on a daily basis. This gives students a great opportunity to get hands-on experience on the practical aspects of the IT industry while still in high school. Required for all AOIT seniors or teacher/supervisor recommendations. This course will be graded PASS/FAIL. CR 1, YO 12

ENGINEERING COURSES

Introduction to Engineering Design (IED) (6680) - Students dig deep into the engineering design process, applying math, science, and engineering standards to projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work. Students will be expected to learn the foundational knowledge used by all engineers today. As a Project Lead the Way (PLTW) course, students may qualify for college credit based upon performance on the End of Course exam. **This course is a prerequisite for all other PLTW engineering courses.** CR 5, YO 9,10,11,12

Digital Electronics (DE) (6681) - How does your iPod work? How does a computer's Random-Access memory save data? Digital Electronics is a full-year course in which students learn about basic electricity, electronic theories, digital integrated circuits, and how digital devices work in our world. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. As a Project Lead the Way (PLTW) course, students may qualify for college credit based upon performance on the End of Course exam. PRE: Introduction to Engineering Design and Algebra with a suggested average of 85 or instructor approval. CR 5, YO 10,11,12

Honors Principles of Engineering (POE) (6682) - This rigorous engineering course helps students understand the necessary areas of study that are required for post-secondary education in engineering. Emphasis is placed upon the documentation and mathematics necessary for the development of a product, through the Engineering Design Loop and analysis and evaluation based on observation, experimentation, and class discussions. Exploring various technology systems and manufacturing processes, students learn how engineers and technicians use applied physics, math, science, and technology in the engineering problem-solving process to benefit people. The course also includes concerns about the social and political consequences of technological change. To be successful in this intensive curriculum, students should be enrolled in college preparatory mathematics and science. As a Project Lead the Way (PLTW) course, students may qualify for college credit based upon performance on the End of Course exam. PRE: Introduction to Engineering Design, CP/Honors Geometry with a suggested average of 85, or instructor approval. CR 5, YO 11, 12

Honors Computer Integrated Manufacturing (CIM) (6683) - Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. As a Project Lead the Way (PLTW) course, students may qualify for college credit based upon performance on the End of Course exam. PRE: Introduction to Engineering Design with a suggested average of 85 and enrolled in CP/Honors Geometry or instructor approval.
CR 5, YO 10, 11, 12

Honors Civil Engineering and Architecture (CEA) (6684) - Civil Engineering and Architecture is the study of Civil Engineering as it relates to the design and construction of residential and commercial building projects. The course requires a rigorous pace and commitment for a real understanding of the role, impact, and practice of civil engineering and building design as it relates to its impact on the environment. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, stormwater management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. As a Project Lead the Way (PLTW) course, students may qualify for college credit based upon performance on the End of Course exam. PRE: Introduction to Engineering Design and CP/Honors Geometry with a suggested average of 85 or instructor approval. CR 5, YO 10, 11, 12

Honors Aerospace Engineering (6685) - Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering in this Project Lead the Way class (which includes the study of intelligent vehicles like the Mars rovers Spirit and Opportunity.) This course expands horizons with Projects developed with NASA-aerodynamics, astronautics, space-life sciences, and systems engineering. As a Project Lead the Way (PLTW) course, students may qualify for college credit based upon performance on the End of Course exam. PRE: Introduction to Engineering Design with a suggested average of 85 or instructor approval. CR 5, YO 10, 11,12

Honors Engineering Design and Development (EDD) (6686) – “Don’t you hate it when”, is a common statement made by people that are constantly thinking of ways to improve products or situations. Engineering Design and Development (EDD) is the course that allows you to design a solution to a technical problem of your choosing. Now is the chance to eliminate one of the “Don’t you hate it when” ... statements of the world. This course is an engineering course in which you will work in teams to research, design, and construct a solution to an open-ended engineering problem. The product development lifecycle and a design process will be used to guide and help your team reach a solution to the problem. You and your team will present and defend your solution to a panel of outside reviewers at the end of the school year. PRE: Introduction to Engineering Design, Digital Electronics, and Principles of Engineering with a suggested average of 85 and instructor approval. CR 5, YO 12

Honors Environmental Sustainability (6688) - This rigorous engineering course will introduce environmental issues and use the engineering design process to research and design potential solutions. Students will be challenged to investigate and design solutions that solve real-world problems related to clean drinking water, a stable food supply, and renewable energy. This course focuses on developing skills related to designing experiments, conducting research, executing technical skills, documenting design solutions according to accepted technical standards, and creating presentations to communicate solutions. As a Project Lead the Way (PLTW) course, students may qualify for college credit based upon performance on the End of Course exam. PRE: Biology with an average of 85 or higher and teacher recommendation. It is recommended that students have taken Introduction to Engineering Design and two years of science before enrolling in this course. CR 5, YO 10, 11, 12

VISUAL AND PERFORMING ARTS ACADEMY COURSES

Commercial Photography 1 (7795), 2 (7796), 3 (7797), 4 (7798) - This is a vocational, four-year sequential program. In addition to learning how to operate the various pieces of photographic equipment, the following activities and projects will develop practical experience in various photographic techniques. Level 1 will be introduced to the procedure for correctly handling light-sensitive materials, chemicals, and basic photographic equipment. Level 2 will focus on digital photography examining 35mm versus digital. Photoshop software will be introduced. Level 3 will work with both 35mm and digital photography. Innovative and alternative processes will be introduced. Level 4 or AP Studio Art students will work independently to create a cohesive body of work resulting in a final exhibit and portfolio possessing quality prints and overall presentation. Photo critiques and photo history will be taught throughout the year. These classes meet for a full block on both A & B days. PRE: Portfolio/Interview and completion of program level to move forward. CR 10, YO 9,10,11,12

Dance 1 (7760), 2 (7761), 3 (7762), 4 (7763) - This is a vocationally focused, four-year sequential program which includes ballet, modern, jazz and hip-hop techniques. In addition to performance, students study dance history, anatomy and physiology, nutrition, careers, and cultural influences. The course includes dance field trips, concerts, and masterclasses run by professional dancers. After school rehearsals for concerts are required throughout the year. These classes meet for a full block on both A & B days.
PRE: Audition. CR 10, YO 9,10,11,12

Media Production 1 (6661), 2 (6662), 3 (6664), 4 (6667) - This a vocationally focused sequential program that provides students with advanced training in computer applications from Level 1, also specialized training in Video and sound editing. Students will learn digital imaging for animation, use of Adobe software, digital photography, and camera usage. Students will learn advanced techniques in image capture, television production techniques and interactive media within the broadcasting industry. Students will complete electronic portfolios to highlight their work. They will also produce promotional videos for the school. PRE: Successful completion of previous course level. CR 10, YO 9, 10 11, 12

Creative Writing 1 (7755), 2 (7756), 3 (7757), 4 (7758) - This program is a vocationally focused accelerated writing course for the serious student of writing. Taught in a genre approach in a workshop setting, the course demands that the student set individual reading and writing goals in addition to working in assigned forms. Cross-disciplinary projects, classroom visits by professional writers, competitions, publication opportunities, and field trips to readings and festivals are emphasized. These classes meet for a full block on both A & B days. PRE: Portfolio/Interview; CR 10, YO 9,10,11,12

Theatre Arts 1 (7765), 2 (7766), 3 (7767), 4 (7768) - This is a comprehensive, career-oriented, four-year sequential program for the serious drama student. The program covers all aspects of theatre with the focus being the refinement of the actor's skill. Course work is augmented by guest artists, productions, and field trips. After school rehearsals may be required. Students must take the elective Stage Technology prior to senior year as part of the Drama Major. This course meets for a full block on both A & B days.
PRE: Audition; CR 10, YO 9,10,11,12

Studio Art 1 (7790), 2 (7791), 3 (7792), 4 (7793), AP Studio Art (7794) - This is a career vocationally, a four-year sequential program for the serious art student interested in pursuing a career in the commercial and applied visual arts. In each level, general principles techniques, concepts and skills in computer imaging, color theory, technical drawing, painting, printmaking, still and life modeling and illustration are combined in the study of different commercial fields as it relates in the communication of ideas to businesses, consumer audiences and Fine Arts. In levels 3 and 4, mastery of advanced art techniques and portfolio development are required. Classes emphasize art and computer drawing skills, history, aesthetics, communication skills, multimedia applications, criticism, and careers in preparation for college, advanced technical school, or the workplace. Student exhibitions, interdisciplinary and community projects, professional guest artists, and museum/art-related field trips are part of the curriculum. These classes meet for a full block on both A & B days. PRE: Portfolio/Interview; CR 10, YO 9,10,11,12

IB Theatre HL (7769) - Theatre is a practical subject that encourages discovery through experimentation, the taking of risks, and the presentation of ideas to others. It results in the development of both theatre and life skills; the building of confidence, creativity, and working collaboratively. The IB Diploma Programme theatre course is a multifaceted theatre-making course of study. It gives students the opportunity to make theatre as creators, designers, directors, and performers. It emphasizes the importance of working both individually and collaboratively as part of an ensemble. It offers the opportunity to engage actively in the creative process, transforming ideas into action as inquisitive and productive artists. Students experience the course from contrasting artistic perspectives. They learn to apply research and theory to inform and to contextualize their work. The theatre course encourages students to appreciate that through the processes of researching, creating, preparing, presenting and critically reflecting on theatre— as participants and audience members—they gain a richer understanding of themselves, their community, and the world. Through the study of theatre, students become aware of their own personal and cultural perspectives, developing an appreciation of the diversity of theatre practices, their processes, and their modes of presentation. It enables students to discover and engage with different forms of theatre across time, place, and culture and promotes international mindedness. CR 5, YO 11,12

VPA Music Technology: Multimedia Music

Brass 1 (7726), 2 (7727), 3 (7728), 4 (7729) – This is a vocationally focused, four-year sequential program that prepares the serious music student for the demands required to pursue music in a Conservatory, College, or University. The primary concentration of this course is the development of total musicianship for the soloist through experiential learning in technique, repertoire, performance practices, critical thinking, and other aspects of musicianship. Aside from the main focus of performance of music, students will explore various genres of music history, gain live performance and studio recording experience and experiment with technology-based performance. Aspects of music production, business and music law will be addressed. Career readiness and exploration will be addressed throughout the curriculum. Various instructional technologies and internet applications will be integrated into the curriculum (such as the use of spectrograms and oscilloscopes in musical training). Field trips, performances, and participation in concerts will be reflected in students' grades. The students in this program must also register for the appropriate levels of VPA Music History, VPA Music Theory, VPA Musicianship, and RBR Band. AP Music Theory is required in the third year of the program. PRE: Audition; CR 5, YO 9,10,11,12

Percussion 1 (7714), 2 (7715), 3 (7716), 4 (7717) – This is a vocationally focused, four-year sequential program that prepares the serious music student for the demands required to pursue music in a Conservatory, College or University. The primary concentration of this course is the development of total musicianship for the soloist through experiential learning in technique, repertoire, performance practices, critical thinking and other aspects of musicianship. Aside from the main focus of performance of music, students will explore various genres of music history, gain live performance and studio recording experience and experiment with technology-based performance. Aspects of music production, business and music law will be addressed. Career readiness and exploration will be addressed throughout the curriculum. Various instructional technologies and internet applications will be integrated into the curriculum (such as use of spectrograms and oscilloscopes in musical training). Field trips, performances, and participation in concerts will be reflected in students' grades. The students in this program must also register for the appropriate levels of VPA Music History, VPA Music Theory, VPA Musicianship and RBR Band. AP Music Theory is required in the third year of the program. PRE: Audition; CR 5, YO 9,10,11,12

Piano 1 (7780), 2 (7781), 3 (7782), 4 (7783) - This is a vocationally focused, performance-based, sequential course that prepares the serious piano student for the demands required to pursue music in a Conservatory, College, or University. The curriculum, at each level, includes form and analysis, ear training, theory, music history, sight-reading, and ensemble playing. The student is encouraged, but not required, to study privately with a piano teacher and to perform throughout the year for any of a number of programs. Each student will be required to perform in two piano concerts as a soloist, accompanist, or ensemble. The curriculum may also include guest artists and various field trips. The student in this program must also register for the appropriate levels of VPA Music History and VPA Music Theory and VPA Musicianship. AP Music Theory is required in grades 11, 12. PRE: Audition; CR 5, YO 9,10,11,12

Strings 1 (7720), 2 (7721), 3 (7722), 4 (7723) - This is a vocationally focused, four-year sequential program that prepares the serious music student for the demands required to pursue music in a Conservatory, College, or University. The primary concentration of this course is the development of total musicianship for the soloist through experiential learning in technique, repertoire, performance practices, critical thinking, and other aspects of musicianship. Aside from the main focus of performance of music, students will explore various genres of music history, gain live performance and studio recording experience and experiment with technology-based performance. Aspects of music production, business and music law will be addressed. Career readiness and exploration will be addressed throughout the curriculum. Various instructional technologies and internet applications will be integrated into the curriculum (such as the use of spectrograms and oscilloscopes in musical training). Field trips, performances, and participation in concerts will be reflected in students' grades. The student in this program must also register for the appropriate levels of VPA Music History, VPA Music Theory, VPA Musicianship, and Orchestra. AP Music Theory is required in the third year of the program. PRE: Audition; CR 5, YO 9,10,11,12

Strings: Guitar 1 (7803), 2 (7814), 3, (7815), 4 (7816) - This is a vocationally focused, four-year sequential program that prepares the serious music student for the demands required to pursue music in a Conservatory, College or University. The primary concentration of this course is the development of total musicianship for the soloist through experiential learning in technique, repertoire, performance practices, critical thinking, and other aspects of musicianship. Aside from the main focus of performance of music, students will explore various genres of music history, gain live performance and studio recording experience and experiment with technology-based performance. Aspects of music production, business and music law will be addressed. Career readiness and exploration will be addressed throughout the curriculum. Various instructional technologies and internet applications will be integrated into the curriculum (such as the use of spectrograms and oscilloscopes in musical training). Field trips, performances, and participation in concerts will be reflected in students' grades. The student in this program must also register for the appropriate levels of VPA Music History, VPA Music Theory, and VPA Musicianship. AP Music Theory is required in the third year of the program. PRE: Audition; CR 5, YO 9,10,11,12

Vocal Music 1 (7770), 2 (7771), 3 (7772), 4 (7773) - This is a vocationally focused, four-year sequential program that prepares the serious music student for the demands required to pursue music in a Conservatory, College, or University. The primary concentration of this course is the development of total musicianship for the soloist through experiential learning in technique, repertoire, performance practices, critical thinking, and other aspects of musicianship. Aside from the main focus of performance of music, students will explore various genres of music history, gain live performance and studio recording experience and experiment with technology-based performance. Aspects of music production, business and music law will be addressed. Career readiness and exploration will be addressed throughout the curriculum. Various instructional technologies and internet applications will be integrated into the curriculum (such as the use of spectrograms and oscilloscopes in musical training). Field trips, performances, and participation in concerts will be reflected in students' grades. The student in this program must also register for the appropriate levels of VPA Music History and VPA Music Theory and VPA Musicianship and Concert Choir. AP Music Theory is required in the third year of the program. PRE: Audition; CR 5, YO 9,10,11,12

Woodwind 1 (7710), 2 (7711), 3 (7712), 4 (7713) - This is a vocationally focused, four-year sequential program that prepares the serious music student for the demands required to pursue music in a Conservatory, College, or University. The primary concentration of this course is the development of total musicianship for the soloist through experiential learning in technique, repertoire, performance practices, critical thinking, and other aspects of musicianship. Aside from the main focus of performance of music, students will explore various genres of music history, gain live performance and studio recording experience and experiment with technology-based performance. Aspects of music production, business and music law will be addressed. Career readiness and exploration will be addressed throughout the curriculum. Various instructional technologies and internet applications will be integrated into the curriculum (such as the use of spectrograms and oscilloscopes in musical training). Field trips, performances, and participation in concerts will be reflected in students' grades. The students in this program must also register for the appropriate levels of VPA Music History, VPA Music Theory, VPA Musicianship, and RBR Band. AP Music Theory is required in the third year of the program. PRE: Audition; CR 5, YO 9,10,11,12

VPA Music Theory 1 (7740) – This is a vocationally focused, full-year course beginning a sequential program in music technology and theory for VPA music majors. Utilizing notation programs such as Finale and Sibelius, students will apply technical knowledge and skills to the composition, synthesis, and performance of music. Aside from computer composition, students will hone skills needed to read and write music efficiently, as well as work with the symbolic, mathematical and analytical concepts and relationships in music's structure. PRE: Vocal, Piano, and Instrumental Majors Only. CR 5, YO 9,10,11,12

VPA Music Theory 2 (7741) - **This** is a vocationally focused, full-year course that sequentially follows VPA Music Theory. Musical form, scoring for film and multimedia, software and multimedia development, computer composition will be the focus. Using tutorial software, this course will enhance essential aural skills, such as ear training, sight-singing, as well as the practical application of keyboard harmony. This course is required for all music majors. PRE: VPA Music Theory; Vocal, Piano, or Instrumental Majors Only. CR 5, YO 10,11,12

AP Music Theory (7778) - This is an advanced course for the student planning to continue music study in college or music school. It will prepare students for the AP Music Theory exam, which they must take in May. Topics covered include chord constructions, chord analysis, musical forms, ear training, and dictation. It will prepare students for the AP Music Theory exam, which they must take in May. Topics covered include chord constructions, chord analysis, musical forms, ear training, and dictation. Suggested PRE: Completed VPA Musicianship, Music Theory Elective 2, Permission of the Instructor. CR 5, YO 11, 12

Advanced Music Technology (7742) - **This** is a vocationally focused, full-year course that sequentially follows AP Music Theory for all VPA music majors. This course prepares individuals to apply technical knowledge and skills to the recording, composition, and performance of music. It covers audio-visual production, recording technology, electronic music synthesis, acoustics, 3D sound, and special audio, as well as various other aspects of the production of music. Students will use ProTools as well as other sequencing and creation software to achieve these goals. Students will use ProTools as well as other sequencing and creation software to achieve these goals. **This course is a concurrent enrollment course offered through Brookdale Community College. Students may earn 3 college credits upon payment of reduced tuition and successful completion of the course.** PRE: VPA Musicianship; CR 5, YO 12

VISUAL AND PERFORMING ARTS ELECTIVES

AP Art History (7709) - This course analyzes and discusses art from prehistoric cave painting to modern art exhibited today, emphasizing the historical context in which art is created. We shall consider not only the artists and works they produce, but the style, purpose, and patronage of art through the ages. Alongside the traditional focus upon art in the European tradition the AP curriculum; Students will also examine non-European art and its characteristics, including art from China, India, Meso-America, and Africa. The goal of this course is to achieve an understanding of all these visual arts in preparation for the AP exam in May. Summer work (reading, project, paper) may be assigned by the instructor to prepare students for the course. Suggested PRE: 80 overall GPA & a summer project/paper on an Art Historical Topic assigned by the instructor. CR 5, YO 11,12

Art 1 (7700) - This is an introductory art course with an emphasis on design and color concepts. Using a variety of subject matter, students will study design and composition in painting, drawing, and mixed media. Students will also be exposed to art history, criticism, and aesthetics. This course may include trips to museums, galleries, and arts events in order to develop an understanding of connections with other subject areas as stated in the NJ Core Curriculum Content Standards. CR 5, YO 9,10,11,12

Art 1 Grade 9 (7838) - This is an introductory semester art course with an emphasis on design and color concepts. Using a variety of subject matter, students will study design and composition in painting, drawing, and mixed media. Students will also be exposed to art history, criticism, and aesthetics. This course may include trips to museums, galleries, and arts events in order to develop an understanding of connections with other subject areas as stated in the NJ Core Curriculum Content Standards. CR 2.5, YO 9

Art 2 (7701) - In this course, the second-year art student will experience a variety of artistic media and techniques in a wide range of subject matter. Emphasis is placed on individual expressive skills in areas such as painting, cartooning, printmaking, and the study of the human figure. Students will continue to be exposed to art history, criticism, and aesthetics. This course may include trips to museums, galleries, and arts events in order to develop an understanding of connections with other subject areas as stated in the NJ Core Curriculum Content Standards. PRE: Art 1 CR 5, YO 10,11,12

Art 3 (7702) - This advanced art course explores, through various projects, theories, and techniques: sculpture, graphics, and painting. The student is encouraged to develop an individual style. Further exploration of art history, criticism, and aesthetics is part of the curriculum. Juniors who are interested in developing portfolios for their senior year will begin to do so in the second semester. This course may include trips to museums, galleries, and arts events in order to develop an understanding of connections with other subject areas as stated in the NJ Core Curriculum Content Standards. PRE: Art 2 CR 5, YO 11,12

Art 4 (7703) - This art course is designed for the more advanced student who chooses to specialize in two and three-dimensional media. Special emphasis is given to seniors who are in the process of preparing a portfolio for entrance into a college or university. This course may include trips to museums, galleries, and art events in order to develop an understanding of connections with other subject areas as stated in the NJ Core Curriculum Content Standards. PRE: Art 3 CR 5, YO 12

Beginning Strings (7724) - This is a full-year class is for any student who would like to learn violin, viola, cello, or double bass. This course will focus on technique, solo, and ensemble playing. CR 5, YO 9,10,11,12

Concert Choir (7775) - This is a general choral ensemble open to all students. No previous training is necessary. Students sing during each class period in preparation for required concerts, assemblies, and competitions. Basic musicianship skills and aesthetics are developed through the study of various styles and periods of choral music. This is a performance-based class and includes field trips and concerts which will be reflected in students' grades. Students can request and receive credit for this course each year. CR 5, YO 9,10,11,12

Crafts 1 (7704) - This class introduces the students to hand-building art. The students begin to explore a variety of materials and how to manipulate them in a variety of projects. The students will learn the importance of good craftsmanship and that crafting is the foundation of engineering and mass production. Projects incorporate science, math, culture, and more. All projects at level 1 incorporate the elements of art and design, color theory, current events, history, fine art, reading, writing, and research for an idea and product development. The students will be expected to work in groups as well as individually depending on the project. This class is ideal not only for the experienced artist but also for the student who is just beginning. The students will complete this course with a variety of projects which are practical and functional. CR 5, YO 9, 10,11,12

Crafts 2 (7705) – This class is for the student who has taken Crafts 1 and has developed an appreciation for hand-building art. In level 2, the students will advance their understanding of materials explored in level 1. Projects will be more demanding of control, focus and time. The projects in level 2 will challenge the students to fine-tune their skills, move to different materials and begin to understand how they can create products that could turn into a business – crafts as a career. PRE: Crafts 1; CR 5, YO 10, 11,12

Digital Design (7802) - This is a career-driven course, meaning, students will learn about the importance of graphic design (now digital design purely due to the use of the computer) within the world today. An important emphasis is based on creativity and problem solving for solutions to needs within today's world. Students will also learn the computer is the landing place and all concepts begin with the mind and hand and are placed into the computer making them versatile images for mass production, the web, and print media. The class will implement the use of elements and principles of design, the history of graphic design and traditional practices, as well as three major programs used in the industry: Photoshop, InDesign, and Illustrator. They will also explore a digital fine art program called SketchBook to develop a better understanding of how digital has also begun to mimic various mediums, such as painting, charcoal, and pencil. Students will be reminded to work with their hands first, then move to the computer. After all, all design/art programs were developed off traditional hands-on concepts and techniques. CR 5, YO 9,10,11,12

Introduction to Guitar (7817)- Guitar class is a semester course for both students who would like to learn how to play guitar and students who already know how to play. The class will examine both strumming and plectrum techniques in various genres of music. Alternative String instruments, such as the mandolin and electric strings, will be explored. Some basic music theory will be introduced throughout this performance-based course. Class size is limited to the number of instruments available. CR 5, YO 10, 11, 12

Introduction to Guitar 9 (7841) - Guitar class is a semester course for both students who would like to learn how to play guitar and students who already know how to play. The class will examine both strumming and plectrum techniques in various genres of music. Alternative String instruments, such as the mandolin and electric strings, will be explored. Some basic music theory will be introduced throughout this performance-based course. Class size is limited to the number of instruments available. CR 5. YO 9

Intro to Strings (7725) – This semester class is for any student who would like to explore learning the violin, viola, cello, or double bass. This course will introduce the student to various technique of playing an instrument in the string family. CR 2.5, YO 9

IB Visual Arts SL (7799) - The standard level Visual Arts course is designed for students to experience visual arts on a personal level while exploring a global perspective. Even though this course does not require prior experience, students must be willing to approach art with an open mind. Success in this course is determined by how students have demonstrated the knowledge, skills, and attitudes they have gained and how they have developed their abilities to be creative and imaginative and to communicate through artistic form. Students are expected to create pieces of art to be shown in an exhibit taking place in mid-March, as well as photographing work done in the Research Workbook (RWB). All of these will be reviewed and sent to the IB for scoring. PRE: Studio Art 1, Studio Art 2; CR 5, YO 11, 12

IB Visual Arts HL 1 (7800) - This higher-level Visual Arts course is for a student who has a serious interest in art and is willing to approach art with an open mind. The purpose of this course is to allow students to explore and experiment with different visual art forms emphasizing not only a personal approach but that of other cultures. Art is a universal form of communication that is not reserved for just a few people or limited to just a few art forms. For the same reason, the focus of this class will be to encourage students to investigate, inquire and experiment with artistic approaches used by different cultures, not only in terms of media but also in concept. PRE: Studio Art 1, Studio Art 2; CR 5, YO 11

IB Visual Arts HL 2 (7801) - In the second year of IB Visual Arts HL students will continue their art exploration from a global and personal perspective but concentrating on the creation of art based on their own artistic calling and the influences they have taken from the research done the previous year. Students are expected to create pieces to be shown in an exhibit taking place in mid-March, as well as photographing work done in the Research Workbook (RWB). All these will be reviewed and sent to IB International for scoring. PRE: IB Visual Arts; 1 CR 5, YO 12

Introduction to Piano (7789) - This course is for any student who does not read music but would like to learn to play the piano. Students will learn basic piano technique, how to read music, play chords, and play music of all styles. CR 5, YO 10,11,12

Introduction to Piano 9 (7842) - This course is for any student who does not read music but would like to learn to play the piano. Students will learn basic piano technique, how to read music, play chords, and play music of all styles. CR 2.5, YO 9

Modern Band (7840) - Modern Band is a school-based music program that utilizes popular music as its source. Modern band teaches students to perform the music they know and love and to compose and improvise. Styles that are studied include rock, pop, reggae, hip-hop, rhythm & blues, electronic dance music, and other contemporary styles as they emerge. Modern Band also utilizes (but is not limited to) the musical instruments that are common to these styles: guitar, bass, drums, piano, voice and technology. Students do not need to have prior experience on an instrument or music reading ability. CR 2.5, YO 9, 10, 11, 12

Music Industry (7804) - This is a semester course that examines the growth and development of the popular contemporary music industry. Students will study Pop/Rock history with a special focus on the commercial music industry's influence on traditional western styles and 21st century musical tastes. This course includes an introduction to the recording industry and works with some music technology, such as ProTools. Careers in the music business will also be covered. CR 2.5, YO 9, 10, 11, 12

Music Technology (7779) - This is an elective course that explores the use of technology to create, understand and record music. Students will explore the basics of acoustical engineering, digital and analog recording, and other aspects of the popular music industry, including but not limited to MIDI/music computing, notation software, sequencers, copyright, marketing, production of recorded material, and current trends within record labels. Students will use the internet and tutorial programs to better their understanding of basic musicianship. This is a hands-on course that may include field trips and require additional lab time outside of the regular school day. CR 5, YO 10, 11, 12

Orchestra (7750) - This is a general orchestra ensemble open to all students that play the violin, viola, cello, bass, or harp. It is also required by all VPA String Majors. Students study repertoire for string orchestra and full orchestra in preparation for required concerts, assemblies, and festivals. Basic musicianship skills and aesthetics are developed through the study of various styles and periods of orchestra music. This is a performance-based class and includes guest artists, master classes, field trips, concerts, and participation in an after-school Orchestra which will be reflected in students' grades. Students can request and receive credit for this course each year. PRE: the ability to play a string instrument. CR 5, YO 9,10,11,12

Piano Elective (7784) - This course is designed to allow the student already able to read music to improve their existing piano skills or gain new skills in pop, Broadway, or classical styles. The course is tailored to the individual needs and ability levels of each student. Students are assigned repertoire and workbooks as well as piano technique exercises. Students can request and receive credit for this course each year. PRE: Student must demonstrate the ability to read music or has taken Music Theory 1. CR 5, YO 9,10,11,12

Playwriting (7836) - This course will be an examination of the elements of playwriting based on the principles of Aristotle's "Poetics." The student will read various theatrical plays from different periods in theatre history and analyze their structure in plot, theme, story, characterization and story. By studying plays and utilizing extensive and rigorous writing exercises throughout the course, the student will learn the principles of playwriting in dramatic form. At the end of the course the student will have written a complete One Act play ready for performance. This course is married to screenwriting and will be taken during the fall semester. CR 2.5, YO 9, 10, 11, 12

Screenwriting 7835) - Using the latest templates of motion picture screenwriting both from Hollywood and Independent cinema the student will analyze films and learn their counterpart in written form by studying the screenplays of the films viewed in class. Using FINAL DRAFT, a screenwriting software, the student will learn the basics of professional screenwriting formatting. The student will also learn the professional technique of how to "pitch," or "sell" a screenplay to a director or producer in order to have the script sold or optioned for production. The culmination of the course will result in a completed 50-page screenplay by the student. This course is married to playwriting and will be taken during the spring semester. CR 2.5, YO 9, 10, 11, 12

RBR Band (7718) - This is a general band ensemble open to all students that play a brass, woodwind, or percussion instrument. This course is also required by all VPA Instrumental Woodwind, Brass or Percussion Majors. Students rehearse concert repertoire to prepare for community and school events, concerts, and festivals. Basic musicianship skills are developed through the study of various styles and periods of instrumental music. This is a performance-based class and includes field trips and concerts which will be reflected in students' grades. All freshmen are encouraged to participate in the extracurricular RBR Marching Band. Students can request and receive credit for this course each year. PRE: The ability to play a band instrument. CR 5, YO 9,10,11,12

Songwriting 101 (7806) - This semester course is for students interested in learning the craft and techniques of contemporary songwriting. Lyricists, rappers, musicians, vocalists, and music enthusiasts are welcome. No prior music theory or instrumental experience is necessary; however, it would be helpful. All styles and genres of music will be studied. Some basic music theory will be introduced throughout this course.

CR 2.5, YO 9, 10, 11, 12

Songwriting 101 Grade 9 (7837) - This semester course is for students interested in learning the craft and techniques of contemporary songwriting. Lyricists, rappers, musicians, vocalists, and music enthusiasts are welcome. No prior music theory or instrumental experience is necessary; however, it would be helpful. All styles and genres of music will be studied. Some basic music theory will be introduced throughout this course. CR 2.5, YO 9

Intro to Voice (7823) – Do you love to sing? Then this is the perfect course for you! This half-year elective covers the basics of singing, such as technique and vocal warm-ups. Students in this course are allowed to select their own repertoire based on their individual music preference. The students will be coached on their chosen pieces of music. Genres covered in this class include Pop, Jazz, Indie, Rock, and Folk. CR 2.5, YO 9

Stage Technology (6655) - This is a full-year course emphasizing the basics of stage design and development. This course is required by all Drama Majors prior to their senior year. Activities will include knowledge of safety, and the use of tools and equipment necessary for set design, scenic painting and construction, and exploration of careers. Students will be taught the basics of stage lighting and the use of sound equipment. Students will be required to construct a complete set for both the fall and spring theatre production. After-school, nights, and weekends attendance may be mandatory during the construction of sets and/or during performances. They will also be expected to assist in various concerts throughout the school year and expected to participate in some after-school, nights, and weekend performances. Students should have some background in performing arts or technology-related instruction. CR 5, YO 10, 11

Modern Dance (7764) - Students will explore performance and the history of various forms of modern dance technique including Horton, Graham, Cunningham, and Dunham techniques. Students will perform movements initiating from the center of the body that demonstrate a preference for movement flow over shape. The class will also promote performance using the principle of countertension and a dynamic performance quality through use of musicality. Students will develop speed, strength and agility.

CR 2.5, YO 9, 10

Yoga and Movement (7808) - Yoga and Movement is a full year course that will strengthen and elongate muscles and will help to develop concentration and self-awareness. Students will study different styles of yoga and perform basic movement progressions, Pilates exercises and dynamic stretching. Students will develop posture, alignment, kinetics and coordination when moving and performing yoga postures. They will practice uniting breathing, movement, and relaxation meditation techniques. Students will also examine the history of yoga and movement as well as famous figures and the roles of both in culture.

CR 5, YO 11, 12

Yoga and Movement 9 (7821) -Yoga and Movement is a half-year elective course that will strengthen and elongate muscles and will help to develop concentration and self-awareness. Students will study different styles of yoga and perform basic movement progressions, Pilates exercises and dynamic stretching. Students will develop posture, alignment, kinetics and coordination when moving and performing yoga postures. They will practice uniting breathing, movement, and relaxation meditation techniques. Students will also examine the history of yoga and movement as well as famous figures and the roles of both in culture. CR 2.5, YO 9

WORLD LANGUAGE COURSES

Italian 1 (5540) - During the first year, the student is taught to communicate orally and in writing using the fundamental patterns of the language within the constraints of the vocabulary and the language structure mastered. The student is expected to ask and answer questions and to speak briefly on a given topic using good pronunciation and correct sentence structure. The student is expected to understand simple selections about the geography and culture of Italian speaking nations. CR 5, YO 9, 10, 11, 12

Italian 2 (5541) – In the second year, all grammar points and vocabulary from the first year are reinforced. In addition, more complex structures are added in order to prepare students for the next level. The student is presented with a view of many aspects of Italian culture through reading selections and other methods. PRE: Italian 1; CR 5, YO 9, 10, 11, 12

Honors Italian 2 (5542) - This course is designed to challenge the student in greater depth than in a regular class. In addition to being responsible for material covered in the regular Italian class, students are required to write compositions and communicate orally on a more sophisticated level. The pace will be rapid, including a wider range of vocabulary and advanced media interactions. Suggested PRE: Italian 1 with a 90 average, minimum 90 on the final exam, or teacher recommendation. CR 5, YO 10,11,12

Italian 3 (5543) - Italian 3 students will be taught to communicate orally and in writing on a more complex level. Major grammar points and all verb tenses are studied in depth. Italian 3 offers a wide variety of reading and writing experiences, including short novels. This course also includes the study of classic and contemporary Italian culture and civilization. Suggested PRE: Italian 2 with an 80 average and a minimum of 80 on the final exam or teacher recommendation. CR 5, YO, 11, 12

Honors Italian 3 (5544) - This course is designed to challenge the student in greater depth than in a regular class. In addition to being responsible for more material covered in a regular Italian class, students are required to write longer and more complex compositions and communicate orally on an increasingly sophisticated level. The pace will be more rapid and include a wider range of vocabulary and more advanced reading. Suggested PRE: Italian 2 Honors with a 90 average and a minimum of 85 on the final exam or teacher recommendation. CR 5, YO, 11, 12

Honors Italian 4 (5546) - The purpose of this course continues the sequence of language study to an advanced level. Grammatical and syntactical improvement will come about in the writing of paragraphs and compositions on selected topics. Honors Italian 4 also presents a variety of novels and short stories to be read and discussed. Opportunity is given for improving speaking and listening comprehension skills. Culture and major art movements of Italy are also studied. Suggested PRE: Honors Italian 3, with a 90 average and a minimum 85 on the final exam or teacher recommendation. CR 5, YO 10,11,12

IB Italian SL (5598) - This is a 1-year course designed for seniors after completion of Italian 3 or Honors Italian 3. The main focus of the course is on language acquisition and the development of language skills. Mastery of language skills is developed through the study and use of a range of written and spoken material and literary texts, all of which relate to Italian culture. IB Italian is discussion-based, relies heavily on student interaction, and promotes intercultural awareness and understanding. The areas of study include communication and media, global issues, social relationships, cultural diversity, customs and traditions, health, leisure, and science and technology. In addition to taking the IB examinations in May, the students complete the IB written assignment and individual and interactive oral activities throughout the year. PRE: Italian 3 or Honors Italian 3. CR 5, YO 12

IB Italian HL1 (5603) and HL2 (5604) - This is a 2-year course designed for juniors and seniors after completion of Italian 3, Honors Italian 3, or Accelerated Italian. The main focus of the course is on language acquisition and the development of language skills. Mastery of language skills is developed through the study and use of a range of written and spoken material and literary texts, all of which relate to Italian culture. IB Italian is discussion-based, relies heavily on student interaction, and promotes intercultural awareness and understanding. The areas of study include communication and media, global issues, social relationships, cultural diversity, customs and traditions, health, leisure, and science and technology. The students also read and study two works of literature. In addition to taking the IB examinations in May of senior year, the students complete the IB written assignment and individual and interactive oral activities throughout the course. PRE: Accelerated Italian, Italian 3, or Honors Italian 3. CR 5, YO 11, 12

French 1 (5551) - During the first year, the student is taught to communicate orally and in writing using the fundamental patterns of the language within the constraints of the vocabulary and the language structure mastered. The student is expected to ask and answer questions and to speak briefly on a given topic using good pronunciation and correct sentence structure. The student is expected to understand simple selections about the geography and culture of French-speaking nations. CR 5, YO 9,10,11,12

French 2 (5552) - In the second year of French, all grammar points and vocabulary introduced in the first year are reinforced. In addition, more complex structures are added in order to prepare students for the next level. The student is presented with a view of many aspects of French culture through reading selections and other methods. PRE: French 1; CR 5, YO 9,10,11,12

Honors French 2 (5555) - This course is designed to challenge the student in greater depth than in a regular class. In addition to being responsible for material covered in the regular French class, students are required to write compositions and communicate orally on a more sophisticated level. The pace will be rapid, including a wider range of vocabulary and advanced reading. Suggested PRE: French 1 with a 90 average and a minimum 85 on the honors level placement exam. CR 5, YO 10,11,12

French 3 (5553) - This course is designed to teach the student to communicate orally and in writing on a more complex level. Major grammar points and all verb tenses are studied in depth. French 3 offers a wide variety of reading experiences. Culture and major art movements of France are also studied. PRE: French 2; CR 5, YO 10, 11, 12

Honors French 3 (5556) - This course is designed to challenge students in greater depth than in a regular class. In addition to being responsible for material covered in a regular French class, students are required to write longer and more completed compositions and communicate orally on an increasingly sophisticated level. The pace will be more rapid including a wider range of vocabulary and more advanced reading. Culture and major art movements of France are also studied. Suggested PRE: Honors French 2 (80 average or teacher recommendation), French 2 with a 90 average and a minimum 85 on the honors level placement exam and teacher recommendation. CR 5, YO 10,11,12

Honors French 4 (5557) - The purpose of this course is to continue the sequence of language study to an advanced level. Grammatical and syntactical improvement will come about in the writing of paragraphs and compositions on selected topics. Honors French 4 also presents a variety of novels and short stories to be read and discussed. Opportunity is given for improving speaking and listening comprehension skills. Suggested PRE: Honors French 3 with an 80 average or teacher recommendation, French 3 with a 90 average and a minimum 85 on the honors level placement exam and teacher recommendation. CR 5, YO 11,12

AP French (5558) - Advanced Placement French is offered to students who have completed three years of high school French and who have demonstrated competency in the language. The course will emphasize oral and written abilities in the language. In addition, the reading material will introduce works and writers of French literature to enhance appreciation and knowledge of the French language. The four skills of language learning will be emphasized: listening, speaking, reading, and writing. There will be a comprehensive study of the structure of the language including a review of the three previous years, and the introduction of advanced language and structure. There will be extensive practice in the various skills required on the Language AP test. Suggested PRE: Honors French 4 with an 85 average or higher, and teacher recommendation plus summer project required. CR 5, YO 12

IB French SL (5599) - This is a 1-year course designed for seniors after completion of French 3 or Honors French 3. The main focus of the course is on language acquisition and the development of language skills. Mastery of language skills is developed through the study and use of a range of written and spoken material and literary texts, all of which relate to the culture of France and the Francophone countries. IB French is discussion-based, relies heavily on student interaction, and promotes intercultural awareness and understanding. The areas of study include communication and media, global issues, social relationships, cultural diversity, customs and traditions, health, leisure, and science and technology. In addition to taking the IB examinations in May, the students complete the IB written assignment and individual and interactive oral activities throughout the year. PRE French 3 or Honors French 3. CR 5, YO 12

IB French HL 1 and HL 2 (5601/5602) - This is a 2-year course designed for juniors and seniors after completion of French 3, Honors French 3, or Accelerated French. The main focus of the course is on language acquisition and the development of language skills. Mastery of language skills is developed through the study and use of a range of written and spoken material and literary texts, all of which relate to the culture of France and the Francophone countries. IB French is discussion-based, relies heavily on student interaction, and promotes intercultural awareness and understanding. The areas of study include communication and media, global issues, social relationships, cultural diversity, customs and traditions, health, leisure, and science and technology. The students also read and study two works of literature. In addition to taking the IB examinations in May of senior year, the students complete the IB written assignment and individual and interactive oral activities throughout the course. PRE: Accelerated French, French 3, or Honors French 3. CR 5 YO 11, 12

Spanish 1 (5561) - During the first year, the student is taught to communicate orally and in writing using the fundamental patterns of the language within the constraints of the vocabulary and the language structure mastered. The student is expected to ask and answer questions and to speak briefly on a given topic using good pronunciation and correct sentence structure. The student is expected to understand simple selections about the geography and culture of Spanish speaking nations. CR 5, YO 9,10,11,12

Honors Spanish 1 Immersion (5560) - This class is taught completely in Spanish and is designed for students that are native speakers or fluent non-native speakers. Concentration will be on grammar, reading, writing, and expanding vocabulary as well as Hispanic culture, literature, and geography. Students will receive honors weight upon successful completion of this course and students should advance to Honors Spanish 2 or Spanish 3 to be determined by placement testing. PRE: Placement test. CR 5, YO 9,10,11,12

Honors Spanish 2 Immersion (5577) - This class is taught totally in Spanish and is designed for students that are native speakers or fluent non-native speakers. It is a continuation of topics and concepts from Spanish Immersion 1. Concentration will be on grammar, extended reading, extended writing, and enhancing vocabulary in the academic and literary realms as well as culture, literature, and geography of the Spanish-speaking world. Upon successful completion of this course, the student should be able to advance to IB HL1. PRE: Teacher recommendation, placement test, and/or successful completion of Spanish Immersion 1 course. CR 5, YO 10,11,12

Spanish Immersion (5610) - This class is taught totally in Spanish and is designed for students that are native speakers or fluent non-native speakers. Concentration will be on basic grammar, reading, writing, and expanding vocabulary as well as Hispanic culture. This course is for only native Spanish speakers. PRE: Teacher Recommendation CR 5, YO 9, 10, 11, 12

Spanish 2 (5562) - This course will reinforce all grammar points and vocabulary introduced in the first year. In addition, more complex structures are added in order to prepare the student for the next level. The student is presented with a view of many aspects of Spanish Hispanic culture through reading selections and other instructional methods. PRE: Spanish 1; CR 5, YO 9,10,11,12

Honors Spanish 2 (5566) - This course is designed to challenge the student in greater depth than in a regular class. In addition to being responsible for material covered in the regular Spanish class, students are required to write compositions and communicate orally on a more sophisticated level. The pace will be rapid and include a wider range of vocabulary and advanced reading. Suggested PRE: Spanish 1 with a 90 average or higher and a minimum 85 on the final exam. CR 5, YO 10,11,12

Spanish 3 (5563) - This course teaches students to communicate orally and in writing on a more complex level. Major grammar points and all verb tenses are studied in depth. Spanish 3 offers a wide variety of reading experiences. This course also includes the study of classic and contemporary Hispanic culture and civilization. Suggested PRE: Spanish 2 with a 75 average or higher and a minimum of 75 on the final exam or teacher recommendation. CR 5, YO 10,11,12

Honors Spanish 3 (5567) - This course is designed to challenge the student in greater depth than in a regular class. In addition to being responsible for material covered in a regular Spanish class, students are required to write longer and more complex compositions and communicate orally on an increasingly sophisticated level. The pace will be more rapid and include a wider range of vocabulary and more advanced reading. Suggested PRE: Honors Spanish 2, with a 90 average and a minimum 85 on the final exam or teacher recommendation. CR 5, YO 10,11,12

Honors Spanish 4 (5568) - The purpose of this course continues the sequence of language study to an advanced level. Grammatical and syntactical improvement will come about in the writing of paragraphs and compositions on selected topics. Honors Spanish 4 also presents a variety of novels and short stories to be read and discussed. Opportunity is given for improving speaking and listening comprehension skills. Culture and major art movements of Spain and other Spanish-speaking countries are also studied. Suggested PRE: Honors Spanish 3, with a 90 average or higher and a minimum 85 on the final exam or teacher recommendation. CR 5, YO 10,11,12

AP Spanish (5569) - Advanced Placement Spanish is offered to students who have completed three years of high school Spanish and who have demonstrated competency in the language. The course will emphasize oral and written abilities in the language. In addition, the reading material will introduce works and writers of Spanish literature to enhance appreciation and knowledge of the Spanish language. The four skills of language learning will be emphasized: listening, speaking, reading, and writing. There will be a comprehensive study of the structure of the language including a review of the three previous years, and the introduction of advanced language and structure. There will be extensive practice in the various skills required on the Language AP test. Suggested PRE: Honors Spanish 4 with an 85 average or higher and a minimum 85 on the final exam or teacher recommendation. CR 5, YO 11, 12

IB Spanish SL (5590) - This is a 1-year course designed for seniors after completion of Spanish 3 or Honors Spanish 3. The main focus of the course is on language acquisition and the development of language skills. Mastery of language skills is developed through the study and use of a range of written and spoken material and literary texts, all of which relate to Hispanic culture. IB Spanish is discussion-based, relies heavily on student interaction, and promotes intercultural awareness and understanding. The areas of study include communication and media, global issues, social relationships, cultural diversity, customs and traditions, health, leisure, and science and technology. In addition to taking the IB examinations in May, the students complete the IB written assignment and individual and interactive oral activities throughout the year. PRE: Spanish 3 or Honors Spanish 3; CR 5, YO 12

IB Spanish HL 1 (5592) and 2 (5593) - This is a 2-year course designed for juniors and seniors after completion of Spanish 3, Honors Spanish 3, or Accelerated Spanish. The main focus of the course is on language acquisition and the development of language skills. Mastery of language skills is developed through the study and use of a range of written and spoken material and literary texts, all of which relate to Hispanic culture. IB Spanish is discussion-based, relies heavily on student interaction, and promotes intercultural awareness and understanding. The areas of study include communication and media, global issues, social relationships, cultural diversity, customs and traditions, health, leisure, and science and technology. The students also read and study two works of literature. In addition to taking the IB examinations in May of senior year, the students complete the IB written assignment and individual and interactive oral activities throughout the course. PRE: Accelerated Spanish, Spanish 3, or Honors Spanish 3; CR 5, YO 11, 12

Accelerated Language 2/3 (Spanish 5584/, French 5585, Italian 5586) - This course is designed for the student wishing to accelerate in language studies (Spanish, Italian, and/or French). Supplementing work completed during the school year, this program requires after school, summer, and online meetings from May of the current school year through August of the following school year. Students taking this course will complete the requirements of levels 2 and 3 over that time, thus moving to level 4 within 3 years. Students aspiring to take AP and/or IB languages who start at level 1 are prime candidates for this course. Please see the description for Honors levels 2 and 3 for specific course descriptions. Students and parents/guardians will be responsible for the costs of the summer components of the Accelerated Language program. CR 5 (+1.25 Summer 1, +1.25 Summer 2; Summer credits graded pass/fail) YO 10, 11

RBR ACADEMIC ENRICHMENT PROGRAMS

Summer Slam (9100) - Summer Slam is a four-week transition program for incoming freshmen designed to prepare them for the high school experience. The challenging curriculum includes English, Math, Science, and Global Studies with an emphasis on critical thinking skills, reading comprehension, and test-taking strategies. Students who attend this program and meet all the requirements will receive 2.5 credits towards graduation.

ELL Summer Writing Program (9102) – RBR’s English Language Learners is a program designed to reinforce writing skills. The program is divided into two groups, one for higher-performing students and the other for students in need of more intensive help. For the higher-performing ELL student, this program is required in order for their participation in the Brookdale “Fast Start” program for ELL seniors. Student participants who adhere to the attendance policy receive 2.5 credits toward graduation.

TOP Program (9103) -- TOP is a Teen Outreach Program designed to teach students life skills, healthy behaviors, and a sense of purpose. TOP is an evidence-based curriculum designed to increase academic performance and retention rates while reducing absenteeism and pregnancy rates. Interested students must have an open study period to participate. Students who are admitted to the program and adhere to the attendance policy receive 1.25 credits toward graduation through option two. CR 1.25, YO 9

SENIOR YEAR OPTIONS

In order for a student to be eligible for the senior options program and/ or for a shared time program at Brookdale Community College, they must meet all graduation requirements to be a senior at Red Bank Regional High School, must have passed all sections of their standardized testing graduation requirements, have a good attendance and discipline record, a cumulative grade point average of at least an 82 or higher average at the end of their junior year and interview with a Committee for their selected option or plan. Students interested in applying for these opportunities must complete an RBR Senior Option Agreement form and submit it to the School Counseling Dept. by April 16, 2021.

Senior Year Student Option (1010) - Senior options are opportunities for students to work in an internship position or to participate in community service projects, without pay, for credit during the student's senior year. In order to meet the program criteria, RBR must be unable to offer any comparable course or opportunity through the curriculum or extracurricular offerings. The time out of school would be limited to a maximum of two sequential blocks per school day. Rising seniors must meet the above criteria for senior year options and obtain Committee approval for their Senior Year Student Option by the end of their junior year. Single semester requests would only be approved if the schedule allows. CR 5-15 YO 12

Brookdale Community College Shared Time Program (1020) - RBR has an articulation agreement with Brookdale Community College that will allow seniors to take 2 courses per semester (for 6 college credits) on the Brookdale Community College campus. In order to meet Committee approval criteria, RBR must be unable to offer any comparable course or opportunity through the curriculum or extracurricular offerings. The time out of school would be limited to a maximum of two sequential blocks per school day. Rising seniors must meet the above criteria for senior year options and obtain Committee approval for their Brookdale Community College Shared Time Program by the end of their junior year. Single semester requests would only be approved if the schedule allows. All fees and transportation are the responsibility of the student. We have recommended pre-approved courses of study by Brookdale and Red Bank Regional. Students can earn 5 credits for each class, per semester, with a passing grade from Brookdale Community College. YO 12

ELL Brookdale Community College Shared Time Program (1022) - Seniors are eligible for the "Puente al Futuro" program, or "Bridge to the Future," a "Fast Start" college program at Brookdale Community College. This program offers ELL seniors the opportunity to take six college credits in their senior year of high school. Grants may be available to supplement the cost of students to participate in this program and may include book costs and transportation. Students successful in the program may then apply for a full scholarship upon graduation from Red Bank Regional and continue their college education at Brookdale Community College. In order to meet Committee approval criteria, RBR must be unable to offer any comparable course or opportunity through the curriculum or extracurricular offerings. The time out of school would be limited to a maximum of two sequential blocks per school day. Rising seniors must meet the above criteria for senior year options and obtain Committee approval for their ELL Brookdale Community College Shared Time Program by the end of their junior year. Single semester requests would only be approved if the schedule allows. Students can earn 5 credits for each class, per semester, with a passing grade from Brookdale Community College. YO 12

ILO Personal Financial Literacy (6606) - During the 2020-2021 school year, Red Bank Regional will continue to provide opportunities for students to meet the state Personal Financial Literacy requirements online utilizing Everfi.com. More information on this opportunity can be provided by contacting the School Counseling Department or Ms. Lauren D'Amico (ldamico@rbrhs.org). Pass/Fail Grade YO 11,12

VISUAL AND PERFORMING ARTS ELECTIVES

A few elective courses can apply to either the VPA requirements or the 21st Century Life and Careers requirement, but the same course cannot count towards both requirements. Also, consult with your counselor regarding your Academy major's elective course meeting this requirement.

Course Code		Credits	9	10	11	12	Pages
1155	Advanced Graphic Novels & Visual Literacy	5			X	X	25
7742	Advanced Music Technology (majors only)	5				X	49
7709	AP Art History	5			X	X	50
7778	AP Music Theory	5			X	X	49
7700-7703	Art 1, 2, 3, 4	5	X	X	X	X	50
	Art 1 Grade 9)	2.5	X				50
7724	Beginning Strings	5	X	X	X	X	51
7726-7729	Brass 1, 2, 3, 4 (majors only)	10	X	X	X	X	47
7795-7798	Commercial Photography 1, 2, 3, 4 (majors only)	10	X	X	X	X	45
6653	Computer-Aided Design	5	X	X	X	X	41
7775	Concert Choir	5	X	X	X	X	51
7704, 7705	Crafts 1, 2	5	X	X	X	X	51
7755-7758	Creative Writing 1, 2, 3, 4 (majors only)	10	X	X	X	X	46
1150	Creative Writing 1	2.5	X	X	X	X	24
1151	Creative Writing 2	2.5	X	X	X	X	24
7760-7763	Dance 1, 2, 3, 4 (majors only)	10	X	X	X	X	46
7802	Digital Design	5	X	X	X	X	51
6660	Digital Photography	5		X	X	X	41
7765-7768	Theater Arts 1, 2, 3, 4 (majors only)	10	X	X	X	X	46
6670	Fashion 1, Art and Design	5		X	X	X	27
6678	Fashion 2	5			X	X	27
1152	Film Studies	2.5			X	X	24
1160	Film Studies 9 (paired with YOGA 9)	2.5	X				24
7803, 7814-6	Guitar 1, 2, 3, 4 (majors only)	10	X	X	X	X	48
6641	Honors Computer Science 2	5		X	X	X	42
7799	IB Visual Arts SL	5			X	X	52
7800, 7801	IB Visual Arts HL 1, 2	5			X	X	52
7769	IB Theatre HL	5			X	X	47
6662-6667	Media Production 1, 2, 3, 4 (majors only)	10	X	X	X	X	46

VISUAL AND PERFORMING ARTS ELECTIVES (continued)

Course Code		Credits	9	10	11	12	Pages
7817	Intro to Guitar	5		X	X	X	51
7841	Intro to Guitar 9	2.5	X				51
7789	Intro to Piano	5		X	X	X	52
7842	Intro to Piano 9	2.5	X				52
7725	Intro to Strings (9)	2.5	X				51
7804	Music Industry	2.5		X	X	X	52
7839	Music Industry Grade 9	2.5	X				52
7779	Music Technology	5	X	X	X	X	52
7741	VPA Music Theory 2 (majors only)	5		X	X	X	49
7750	Orchestra	5	X	X	X	X	53
7714-7717	Percussion 1, 2, 3, 4 (majors only)	10	X	X	X	X	47
7780-7783	Piano 1, 2, 3, 4 (majors only)	10	X	X	X	X	48
7784	Piano Elective	5	X	X	X	X	53
7718	RBR Band	5	X	X	X	X	53
7806	Songwriting 101	2.5		X	X	X	53
7837	Songwriting 101 (9)	2.5	X				54
7823	Intro to Voice (9)	2.5	X				54
6655	Stage Technology	5		X	X	X	54
7720-7723	Strings 1, 2, 3, 4 (majors only)	10	X	X	X	X	48
7790-7794	Studio Art 1, 2, 3, 4, AP (majors only)	10	X	X	X	X	46
7770-7773	Vocal Music 1, 2, 3, 4 (majors only)	10	X	X	X	X	48
7740	VPA Music Theory (majors only)	5	X	X	X	X	49
6627, 6628	Web Design 1, 2	2.5	X	X	X	X	42
7710-7713	Woodwind 1, 2, 3, 4 (majors only)	10	X	X	X	X	49
7764	Modern Dance	2.5	X	X			54
7784	Modern Band	2.5	X	X	X	X	52
7836	Playwriting (Screenwriting)	2.5	X	X	X	X	53
7835	Screenwriting (Playwriting)	2.5	X	X	X	X	53
7808	Yoga and Movement	5			X	X	54
7821	Yoga & Movement 9 (paired with Film 9)	2.5	X				54

21ST CENTURY LIFE AND CAREERS ELECTIVES

A few elective courses can apply to either the VPA requirements or the 21st Century Life and Careers requirement, but the same course cannot count towards both requirements. Also, consult with your counselor regarding your Academy major's elective course meeting this requirement.

Course Code		Credits	9	10	11	12	Pages
6610	Accounting 1	5		X	X	X	20
6642	AP Computer Science A	5			X	X	42
6640	AP Computer Science Principles	5	X	X	X	X	42
6639	AP Macroeconomics	5			X	X	20
6637	AP Microeconomics	5			X	X	20
6620	Intro to Economics	5			X	X	20
6601	Business Software Solutions	2.5	X	X	X	X	21
6676	Child & Personal Development	5	X	X	X	X	27
6653	Computer-Aided Design	5	X	X	X	X	41
7802	Digital Design	5	X	X	X	X	51
6681	Digital Electronics	5		X	X	X	44
6660	Digital Photography	5		X	X	X	41
4505	Dynamics of Healthcare in Society	5		X	X	X	37
6624	Entrepreneurship	2.5		X	X	X	21
6625	Ethics in Business	2.5		X	X	X	21
6670	Fashion 1, Art and Design	5		X	X	X	27
6678	Fashion 2	5			X	X	27
6630	Financial Planning, Investment & Insurance	5			X	X	21
8050	Foundations of Exercise Science & Wellness	2.5				X	32
6669	Global Citizenship in 21st Century	5	X				28
6611	Honors Accounting 2	5			X	X	21
6685	Honors Aerospace Engineering	5		X	X	X	45
6684	Honors Civil Engineering & Architecture	5		X	X	X	44
6683	Honors Computer Integrated Manufacturing	5		X	X	X	44
6641	Honors Computer Science 2	5		X	X	X	42
6692	Honors Cybersecurity	5			X	X	43
6696	Honors Digital Forensics	5				X	43
6686	Honors Engineering Design & Development	5				X	45

21st CENTURY LIFE & CAREER ELECTIVES CONTINUED

Course Code		Credits	9	10	11	12	Pages
6688	Honors Environmental Sustainability	5		X	X	X	45
6691	Honors Networking	5		X	X	X	43
6682	Honors Principles of Engineering	5		X	X	X	44
6645	Honors Web & Mobile Application	5				X	43
6629	IB Business Management SL	5			X	X	21
2224	IB Psychology SL	5			X	X	40
2226	IB Psychology HL	5			X	X	40
6671	Culinary Arts 1	5	X		X		28
6672	Culinary Arts 2	5		X		X	28
6690	Intro to Computer Systems	5	X	X	X	X	43
6680	Intro to Engineering Design	5	X	X	X	X	44
8016	Intro to Sports Entertainment & Marketing	2.5		X	X	X	33
8015	Intro to Sports Medicine	2.5		X	X	X	33
8052	Introduction to Sports Administration	5				X	33
6652	Invention & Innovation	5	X	X	X	X	42
4506	Medical Terminology	5			X	X	38
8051	Nutrition in Exercise, Wellness & Sports	2.5				X	33
6677	Pre-School Lab	10		X	X	X	28
2236, 2234	Psychology & Sociology (Semester Courses)	2.5			X	X	41
1154	Public Speaking	2.5		X	X	X	25
8018	Sports & Hospitality Marketing Management	5			X	X	34
6655	Stage Technology	5		X	X	X	54
9011 & 9012	Theory of Knowledge 1& 2 (IB students only)	5			X	X	41
2255	Tomorrow's Teachers	5				X	28
6627, 6628	Web Design 1, 2	2.5	X	X	X	X	42

FINANCIAL, ECONOMIC BUSINESS, & ENTREPRENEURIAL LITERACY
ELECTIVES

Course Code		Credits	9	10	11	12	Pages
6603	Personal Financial Literacy	2.5	X	X	X	X	22
6604	Principles of Financial Success (AoF students)	5	X	X			20
6606	ILO Personal Financial Literacy	2.5			X	X	60

ADDITIONAL ELECTIVES

These electives are currently approved to meet any specific elective graduation requirements, they do count towards the 140 credits required for graduation.

Course Code		Credits	9	10	11	12	Pages
2212	AP Human Geography	5			X	X	40
2230, 2232	C. World Issues & Political Science (Sem Courses)	2.5		X	X	X	40
2200	Honors Philosophy	5			X	X	35
1159, 2237	Intro to Philosophy & American Legal Systems (Sem Courses)	2.5		X	X	X	34
8017	Sports Medicine 2	5			X	X	34

Red Bank Regional High School

STUDENT PLANNING WORKSHEET

High School Credit and Course Requirements for Graduation

English (20 credits) 1. _____ 2. _____ 3. _____ 4. _____

Mathematics (15 credits) 1. _____ 2. _____ 3. _____ 4. _____

Science (15 Credits) 1. _____ 2. _____ 3. _____

Visual/Performing Arts (5 Credits) 1. _____ 2. _____

21st Century Life, Careers, or
Practical Arts (5 Credits) 1. _____ 2. _____

World Language (5 Credits)
College Bound (10 + credits) 1. _____ 2. _____

Physical Education (15 credits)
(3.75 credits per year) 1. _____ 2. _____ 3. _____ 4. _____

Health (5 Credits)
(1.25 credits per year) 1. _____ 2. _____ 3. _____ 4. _____

Financial, Economic, Business &
Entrepreneurial Literacy (2.5 Credits) 1. _____

Electives:

_____	_____
_____	_____
_____	_____
_____	_____

Credits Towards Graduation 9th _____ 10th _____ 11th _____ 12th _____

Minimum Credits for Promotion 9th: 30 Credits to be considered a sophomore
10th: 65 Credits to be considered a junior
11th: 100 Credits to be considered a senior

Total Credits Needed for Graduation: 140

