

# LYNDHURST HIGH SCHOOL

## 2022-2023 Course Offerings



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## **A MESSAGE TO LYNDHURST HIGH SCHOOL STUDENTS**

This information is designed to provide you with a summary of the opportunities for your education at Lyndhurst High School. Please read it carefully and thoroughly. Each of you has the opportunity to design an individualized high school program based on your interests, abilities and in consideration of your future educational, career, and life plans. Your guidance counselor will work closely with you and your parents in planning your schedule of courses.

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### **EQUAL EDUCATIONAL OPPORTUNITY**

It is the policy of the Lyndhurst Public School District not to discriminate on the basis of race, color, creed, religion, sex, ancestry, national origin, social, economic, or handicap status in its educational programs or activities and employment policies as required by Title I of the Education Amendments of 1972 and Title 6 of the New Jersey Administrative Code.

### **ACCREDITATION**

The New Jersey State Department of Education has accredited Lyndhurst High School for compliance in meeting standards of curriculum, staff, services, and facilities. The accreditation is reviewed at regular intervals. Lyndhurst High School is also a permanent member of the College Entrance Examination Board. Lyndhurst High School faculty is 100% highly qualified.

### **THE SCHEDULING PROCESS**

Each year students meet with their counselors to review their program and develop educational and career goals. In class, teachers will help students choose the next course in a sequence. Parents are encouraged to contact their child's counselor to review course selections and program choices.

Students are encouraged to carefully review this Program of Studies. Additional information can also be found in the Student Handbook.

### **SCHEDULE CHANGES**

Students who do not select electives on the student portal during the registration period will be assigned elective courses. As is clearly outlined in the registration documents, such students will remain enrolled in the electives they have been assigned without an option for change.

Course requirements for graduation take priority in the scheduling process over elective courses: *elective courses have been scheduled around the necessary coursework and the number of electives taken will vary based on the needs of the student.*

Elective courses have limits on the number of students who may be accommodated; *one elective cannot be changed for another that might be running at the same time.* Please know that every effort has been made to accommodate student elective choices.

As explained in the documents provided during the course selection period, students cannot make changes to elective courses, except in the following circumstances:

- None of the electives the student requested could be scheduled. In these situations, our counselors have selected what he/she thought was best for the student and will be happy to discuss and offer alternative electives available during this specific block.
- Within the first ten days of school, a student taking an Advanced Placement (AP) or Honors Level course would like to be placed in a general education course and the parent/caregiver supports this decision.

## **GRADUATION REQUIREMENTS**

Minimum requirements for graduation include both state and local standards.

- Students must meet the attendance standards established by the Lyndhurst Board of Education.
- Students must meet the minimum proficiencies established for each course at Lyndhurst High School.
- Students must earn a minimum of 130 graduation credits as detailed on the following pages.
- Students must meet any other local standards as outlined on the following pages.
- Students exiting high school must meet the New Jersey High School state testing requirement.

Lyndhurst High School graduation requirements are as follows: **130 credits**

- 4 years of English
- 4 years of Phys. Ed. (3 marking periods Health/1 marking period Driver's Ed)
- 3 years of Math (4 years is recommended)
- 3 years of Social Studies
- 3 years of Lab Science
- 2 years of World Language (3 years is recommended)
- 1 year of Visual or Performing Arts
- 1 year of 21st Century Life and Careers (as per the NJDOE, this can be fulfilled with courses in business, career and technical education, cooperative education, family and consumer sciences, Junior Reserve Officers' Training (JROTC), Structured Learning Experiences, Cooperative Learning Experiences, Technology Education/Industrial Arts. See your guidance counselor to discuss).
- ½ year of Personal Finance
- ½ year of Public Speaking

## **SUMMER SCHOOL**

Students who fail a course for the year are able to attend summer school.

Requirements are the following:

- Students **MUST** continue to attend and participate in failing classes for the entire year in order to be eligible for summer school.
- In English classes: Students **MUST** hand in a term paper in order to be eligible for summer school.
- Students are responsible for summer school payment.
- Both grades appear on student's transcript.

Students who wish to accelerate are encouraged to seek additional courses or prerequisites via summer enrichment programs.

- Graduation credits may be earned in high school courses at approved schools if approval is given first by the high school administration.

### **SUMMER RESPONSIBILITIES**

Summer assignments appropriate to various academic disciplines may be required. Summer reading requirements for students in Advanced Placement and Honors programs include additional selections as directed by respective department policy.

### **DOUBLING UP STATEMENT**

Students may not “double up” on any course at Lyndhurst High School due to failing.

Students who wish to accelerate are encouraged to seek additional courses or prerequisites via summer enrichment programs. Please speak with your guidance counselor.

A student must pass a prerequisite course to be eligible to continue in the academic sequence. For example, a 10th grade student may not enroll in English I and English II if he/she failed English I in the ninth grade.

### **GRADING**

It is our expectation that every student earns the highest grade that he/she is capable of achieving. Students must assume personal responsibility to make their best effort to do so.

Grades are based on the following criteria:

- Demonstration of subject matter knowledge
- Level of course proficiency mastery
- Willingness to cooperate in educational activity
- Prompt and regular attendance

### **HONOR ROLL**

Lyndhurst High School maintains a system whereby students are recognized for their academic achievements each marking period.

- Distinguished Honors is awarded to students who have earned a 4.0 grade point average in all subjects
- High Honors is awarded to students who have earned a 3.7-3.99 grade point average
- Honors is awarded to students who have earned a 3.3-3.69 grade point average.

To be on the honor roll, students must achieve the grade point average with no grades lower than a “C.” The grade point average is based on earned quality points divided by the sum of the number of course credits.

**CLASS RANK – GRADES 9 – 12**

Weighted value by class level

4.0-Standard      4.5-Honors      5.0-AP

Weighting Chart	Phase 1 Standard	Phase 2 Honors	Phase 3 AP
93 – 100 = A	4.0	4.5	5.0
90 – 92 = A-	3.7	4.2	4.7
87 – 89 = B+	3.3	3.8	4.3
83 – 86 = B	3.0	3.5	4.0
80 – 82 = B-	2.7	3.2	3.7
77 – 79 = C+	2.3	2.8	3.3
73 – 76 = C	2.0	2.5	3.0
70 – 72 = C-	1.7	2.2	2.7
68 - 69 = D+	1.3	1.8	2.3
66 – 67 = D	1.0	1.5	2.0
65 = D -	0.7	1.2	1.7
64 and below = F	0.0	0.0	0.0

P	Pass	Satisfies course requirements for students involved in ESL program (1st year)
I	Incomplete	No grade assigned until course requirements are completed within specified time
WF	Withdrawn Failing	Course dropped with failing average
WP	Withdrawn Passing	Course dropped with passing average
Z	Credit Denied	Attendance violation

Furthermore, the criteria should be fair, equitable and obtainable to receive credit. Students must have three passing grades and a numerical average of 65 or above, for each yearly subject in which they are enrolled.

Physical Education meets three marking periods per year; therefore, students must pass two of the three marking periods to earn credit. Health and Driver Education courses are graded separately and each must be passed to earn full credit.

**QUARTERLY EXAMS**

All students will be required to take quarterly assessments in their courses. Quarterly assessments are scheduled at the end of each marking period. The administration of the quarterly assessments is scheduled for a class period during the regular school day. Each quarterly assessment will count toward 20% of the marking period grade for each respective class. The final grade for the course will be the average of all of the 4 marking period grades.

Students who are unable to complete the quarterly assessments during the scheduled time will need to arrange for a makeup with their class teacher. If a makeup is not completed, a grade of 0 will be recorded and used in calculating the final grade for that marking period.

## **HONORS PLACEMENT**

Honors placement is based upon teacher recommendation, test scores, grades and supervisor approval.

## **ADVANCED PLACEMENT, DUAL ENROLLMENT AND MIDDLE COLLEGE PROGRAMS**

Lyndhurst High School students may be involved in Advanced Placement, Middle College Program, and Bergen Community College Dual Enrollment. Credit may be awarded through the College Board Advanced Placement Program, Fairleigh Dickinson University, or Bergen Community College for participation in these programs.

- The AP exam is a requirement in all Advanced Placement courses. AP weighting will only be awarded if students take the associated AP exam. Otherwise, students will earn Honors Credit for the course. If the exam has to be rescheduled for any reason, students are responsible for all late charges. Placement for this course is based on teacher evaluation and recommendation and/or placement exam. There is a fee for an AP exam.
- Students are responsible to enroll in the dual-enrollment program at Bergen Community College or the Middle College Program at Fairleigh Dickinson University, and pay all associated fees for enrollment and tuition for the course(s) in order to earn college credit. Rates vary from year to year. Students enrolled in the free and reduced lunch program should speak to their counselor regarding tuition. These are Honors level courses.

## **STUDENT ACADEMIC ELIGIBILITY**

Athletics includes all interscholastic athletic teams and all cheerleader squads. Extracurricular activities include any activity not directly associated with classroom curriculum that would require volunteer time beyond a regular school day.

To be eligible for athletics and extracurricular activities during the fall season, a 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade student must pass courses totaling at least 30 credits (six 5-credit courses or the equivalent) at the conclusion of the previous school year.

All 9<sup>th</sup> grade students are academically eligible for fall athletics and extracurricular activities during the first marking period.

Additionally, the following credit provisions, which are consistent with the high school grade promotion standard, will be instituted:

Grade	Cumulative of Credit Standard
10	Minimum of 30 graduation credits
11	Minimum of 60 graduation credits
12	Minimum of 90 graduation credits

Credits for courses successfully completed in summer school will be counted toward the 30-credit minimum and cumulative credit standard.

To be eligible for athletics and extracurricular activities during the fall and winter seasons, all students must pass courses totaling at least 30 credits (six 5-credit courses or the equivalent) at the conclusion of the previous school year.

To be academically eligible for the spring athletic and extracurricular season, a student must successfully negotiate the cumulative credit standard and be passing courses totaling at least 30 credits at the conclusion of the first semester.

Passing or failing a course will be determined by the grade average, which will include the 1<sup>st</sup> and 2<sup>nd</sup> marking period grades.

A student must be academically eligible at the start of each season in order to participate in any part of the season.



## COURSE OFFERINGS

Courses that satisfy LHS Graduation Requirements at a glance.

<b>21st Century Life and Careers Requirement</b>	<b>Credits</b>
<b>Business Department</b>	
Accounting I Honors: Dual Enrollment	5
AP Computer Science Principles	5
AP Computer Science A	5
POB: Product Development I	5
POB: Product Development II	5
POB: Fashion I	5
POB Fashion II	5
POB Advertising	2.5
Marketing	2.5
Business Communications	2.5
Introduction to Video	2.5
POB: Digital Perspectives in Business	2.5
POB: Social Media/Internet Apps	2.5
Sports and Entertainment Marketing	2.5
Computer Science I	2.5
<b>Language Arts Department</b>	
Journalism I, II, III, IV	5
Psychology and Literature	5
<b>Social Studies Department</b>	
Law and Civics	5
Economics of Business	2.5
Economics of Finance	2.5

<b>Personal Finance Requirement</b>	<b>Credits</b>
<b>Business Department</b>	
Personal Finance	2.5

<b>Public Speaking Requirement</b>	<b>Credits</b>
<b>Language Arts Department</b>	
Public Speaking	2.5

<b>Fine, Visual, Performing Arts Requirement</b>	<b>Credits</b>
<b>Fine Arts Department</b>	
Art I, II, III, IV	5
Studio Art Honors	5
Advanced Studio Art Honors	5
Portfolio Art Honors	5
Graphic Design	5
Advanced Graphic Design	5
Animation and Motion Graphics	5
Yearbook I, II, III	5
Crafts Around the World	2.5
Calligraphy	2.5
<b>Performing Arts Department</b>	
Band I, II, III, IV	5
Option II Honors Band	5
Concert Choir I, II, III, IV	5
Chorale	5
Basic Piano Keyboarding	5

# BUSINESS & TECHNOLOGY DEPARTMENT

## **ACCOUNTING I HONORS: DUAL ENROLLMENT**

Grades 10, 11 & 12

Full Year: 5 Credits

Students will be introduced to basic theory, terminology, concepts and procedures of accounting. Accounting I Honors covers the principles of accounting as they relate to financial statements of a single proprietorship and progressing to corporations. Students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial and ethical factors. Financial statement analysis and an introduction to cost accounting are also investigated. Students will be exposed to accounting careers and real-world companies in the accounting field. This course satisfies the 21<sup>st</sup> Century Life and Careers requirement for graduation.

As this course is affiliated with Fairleigh Dickinson University's Middle College Program, students have the option to receive college credit. To receive college credit, a student must register and pay an enrollment and tuition fee through Fairleigh Dickinson University as well as earn a C average or higher as their final course grade.

## **POB\*: ADVERTISING**

Grades 10, 11 & 12

Half Year: 2.5 Credits

This is a computer-generated course consisting of type composition, page design and layout, proofreading, word processing and computer-generated art. Students in this class will learn a variety of programs commonly utilized in business for promotional materials. It will provide the knowledge and skills essential to produce professional quality publications. At the completion of the course, students will be able to design and create logos, enhance and manipulate photos and create publications for business cards, letterhead, newsletters and flyers. Career opportunities are presented. This course satisfies half of the 21<sup>st</sup> Century Life and Careers requirement for graduation.

## **AP COMPUTER SCIENCE PRINCIPLES\*\***

Grades 10, 11 & 12

Prerequisite: Algebra I

Full Year: 5 Credits

Special Placement

Computer Science Principles introduces students to the formal study of computers and their role in the modern world. Students enrolled in this course are required to take the Advanced Placement exam. Information Technology has and continues to play an increasing role in today's globally changing environment. AP Computer Science Principles provides students with the skills and knowledge needed to understand the technological innovations we use daily and to apply this knowledge to develop and create the emerging technologies we will use tomorrow. Despite common stereotypes, computer science encompasses more than just programming. It builds upon the basic logical problem-solving skills and framework required for understanding an increasingly complex and technological world. This course satisfies the 21<sup>st</sup> Century Life and Careers requirement for graduation.

## **AP COMPUTER SCIENCE A\*\***

Grades 10, 11 & 12

Prerequisite: Algebra I

Full Year: 5 Credits

Special Placement

AP Computer Science A is a challenging follow up independent study course to AP Computer Science Principles. Students enrolled in this course are required to take the Advanced Placement exam. This college level course is designed with the goals comparable to those in the introductory sequence of courses for computer science majors offered in college and university computer science departments. This course is designed to serve as both an introductory course for computer science majors and as a course for people who will major in other disciplines that require significant

involvement with technology. AP Computer Science A is the traditional computer science course primarily focused on the study of the Java programming language. At the completion of the course students will be prepared to sit for and complete the AP Computer Science A examination. This course satisfies the 21<sup>st</sup> Century Life and Careers requirement for graduation.

**POB\*: PRODUCT DEVELOPMENT I**

Grades 9 - 12  
Full Year: 5 Credits

Explore how things are made using a variety of materials. From initial drafting and design to creating or improving products. Students apply business strategies and problem-solving skills in the development of products. Using the AutoCAD software, students can design and create. Students may print using 3-D printing technology. This class touches industrial and civil design. Explore how forces react in the bridge building quest. Experience a disability and create or improve an assistive product. Students learn and utilize a wide variety of programs and media. A great exploratory class. Career opportunities are presented. Students create, store, edit and plot documentation. This course satisfies the 21<sup>st</sup> Century Life and Careers requirement for graduation.

**POB\*: PRODUCT DEVELOPMENT II**

Grades 10, 11 & 12  
Full Year: 5 Credits

Prerequisite: POB: Product Development I

This class expands on the students' knowledge of AutoCAD. Students will review basic drawing and editing procedure but will expand their knowledge in AutoCAD using more advanced techniques applied in the area of architecture and technology. Students will learn to read building plans and create their own plans. Using student plans, they build their dream home to scale. Building Homes of our Own, a home building simulation program takes the student from buying property, building, to the final sale of the investment. Career opportunities are presented. This course satisfies the 21<sup>st</sup> Century Life and Careers requirement for graduation.

**MARKETING**

Grades 10, 11 & 12  
Half Year: 2.5 Credits

Special Placement

This course is for students considering business as a career choice. Emphasizing the "Four P's of Marketing", this project-based course encourages hands-on experience by working in and designing the LHS school store activities. Students will conduct research, monitor store activities, creating and presenting a promotional campaign, designing advertisements, and introduce product lines while applying distribution, pricing, and branding strategies. Career opportunities are presented. This course satisfies half of the 21<sup>st</sup> Century Life and Careers requirement for graduation.

**POB\*: FASHION I**

Grades 9 - 12  
Full Year: 5 Credits

Have a passion for fashion? Learn fashion basics including fashion history, cycles and color trends. Using fashion as a foundation, students will explore the business of fashion. Hands on projects as well as computer-based learning using Adobe Illustrator help the student express their individuality. Students will examine the effects of fashion businesses on the economy, operating a business, financial responsibilities, and logistics of fashion companies that are explored. This course satisfies the 21<sup>st</sup> Century Life and Careers requirement for graduation.

**POB\*: FASHION II**

Grades 10, 11 & 12  
Full Year: 5 Credits

Prerequisite: Principles of Business: Fashion I

Students will expand their base of fashion knowledge and learn about interior design, fashion retailing, fashion merchandising and fashion marketing. Using software that simulates floor layout plans students will create attractive floor layout and interior decorating will be taught. Students will learn to make fashion and decorating boards, study trends, and will study careers within the fashion industry. This course satisfies the 21<sup>st</sup> Century Life and Careers requirement for graduation.

## **BUSINESS COMMUNICATIONS**

Grades 9 - 12

Half Year: 2.5 Credits

Computers and information technology have become an integral part of society and the fundamental skills needed to process, analyze, and deliver this information in useful ways has become ingrained in our daily lives. This course will give students exposure to different computer software applications, proper research methods for decision-making purposes, skills associated with compare/contrast methods of both information and data while showing students how to blend technology into real-world applications. Students will multi-task using various software programs to create innovative and creative project-based assignments which are based on both college and career preparedness. The course is divided into three units: software proficiency, data/information analysis and decision-making skills. These units will incorporate the varied technologies and skills as follows: Microsoft Word, Excel and PowerPoint; college/career/resume and cover projects (NJCAN); public speaking and business presentations. This course fulfills 2.5 of the 5 credit graduation requirement in 21<sup>st</sup> Century Life and Careers.

## **INTRODUCTION TO VIDEO**

Grades 9 - 12

Half Year: 2.5 Credits

Introduction to Video is a half-year course designed to provide students with the knowledge and skills necessary to perform basic video production and editing. Throughout the course students will learn to use Adobe Premiere Pro video editing software to create short films and multimedia explored include working with clips, editing video, adding transitions, mixing audio, creating titles, compositing and animating clips, applying effects, and producing video output. Students will also be exposed to a variety of filming techniques and receive instruction on how to use video recorders. This course fulfills 2.5 of the 5 credit graduation requirement in 21<sup>st</sup> Century Life and Careers.

## **POB\*: DIGITAL PERSPECTIVES IN BUSINESS**

Grades 9 - 12

Half Year: 2.5 Credits

This course is a hands-on half-year course designed to introduce the student to fundamental concepts and basic techniques of using and manipulating images used in promotion. Students will use both the iPad and the desktop computer with a variety of software applications to complete projects. The students will be challenged to explore photographic medium and consider its application to various aspects of business, marketing, and advertising. This project-based class will reinforce creativity, decision-making, and time management skills. Additionally, careers in business are discussed. This course fulfills 2.5 of the 5 credit graduation requirement in 21<sup>st</sup> Century Life and Careers.

## **PERSONAL FINANCE**

Grades 9 - 12

Half Year: 2.5

Credits Learn about the stock market and about how to manage money. This semester course will enable you to learn about the critical aspects of personal financial decision-making. A broad range of today's asset/investment alternatives such as stocks, bonds, mutual funds, savings instruments, real estate, and collectibles covered. Students also explore financial topics such as checking and savings, creating a balanced budget, reconciling bank statements, purchasing or leasing a car, renting or buying a home, obtaining funding for college, insurance, and avoiding identity theft. This course fulfills the 2.5 credit graduation requirement for Financial, Economic, Business and Entrepreneurial Financial Literacy.

## **POB\*: SOCIAL MEDIA/INTERNET APPS**

Grades 9 - 12

Half Year: 2.5 Credits

Internet Applications is an exciting course that explores the world of multimedia and Web page design. In this hands-on project-based course, students will learn some of today's state of the art

programs including Dream weaver and Fireworks, as well as fundamental Web design tools including HTML, JavaScript, and Internet based concepts and principles. Topics covered include creating and maintaining a Web site through the deployment of basic layout techniques, tables, frames, layering, and forms. Students will be exposed to the principles and theories of developing Web sites for personal, academic, and business environments. Career opportunities are presented and explored throughout the course. This course fulfills 2.5 of the 5 credit graduation requirement in 21<sup>st</sup> Century Life and Careers.

## **SPORTS AND ENTERTAINMENT MARKETING**

Grades 10, 11 & 12  
Half-Year: 2.5 Credits

This course will help students develop a thorough understanding of the marketing concepts and theories that apply to sports and sporting events. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsoring proposals, and implementation of sports marketing plans. This course will also delve into promotion plans. This course will also delve into promotion plans, sponsorship proposals, sports marketing plans, and event evaluation and management techniques. Students taking sports marketing will have the opportunity to participate in our FBLA (Future Business Leaders Association) club. This course fulfills 2.5 of the 5 credit graduation requirement in 21<sup>st</sup> Century Life and Careers.

## **COMPUTER SCIENCE I**

Grades 9 – 12  
Half-Year: 2.5 Credits

Computer Science I introduces students to the formal study of computer science and its role in the modern world. Technology continues to play an increasing role in the modern world; computer science provides students with the skills and knowledge to understand the technology they use daily and to extrapolate this knowledge to understand and use emerging technologies. Despite common stereotypes, computer science encompasses more than just programming. It builds the basic logical problem-solving skills and framework required for understanding an increasingly complex and technological world. This course fulfills 2.5 of the 5 credit graduation requirement in 21<sup>st</sup> Century Life and Careers.

## LANGUAGE ARTS

### ENGLISH I and ENGLISH I CP

Grade 9

Full Year: 5 Credits

The English student will read a variety of literary genres. Students will learn the elements of short story, plays, memoir, poetry and the novel. Students will learn to analyze literature. The skills necessary for written and oral communication are taught and reviewed. Students will write essays that vary in content and form for different audiences and purposes. Each student will write a research paper. Book reports are assigned based on the student's interest and reading skills. Skills required to pass the NJSLA-ELA will be stressed. Related career interests are researched.

### ENGLISH I HONORS

Grade 9

Special Placement

Full Year: 5 Credits

The English I Honors student is introduced to a series of literary themes and styles. Reading comprehension is developed through the use of the short story, poetry, the fable, the autobiography, the play, drama and the novel, which are used to bring forth the literary themes. Author's styles are explored. Written and oral communication are taught and reviewed; composition techniques are stressed and practiced. Preparation for the completion of a research project is required from each student. The completion of a research paper is required from each student. In preparation for the PSATs and SATs, vocabulary development is taught through the study of prefixes, root suffixes, analogies, and word etymologies. Written and oral reports are assigned. Related career interests are researched.

### ENGLISH II and ENGLISH II CP

Grade 10

Prerequisite: English I or English I CP

Full Year: 5 Credits

Students examine the achievements of American and world authors by reading and discussing non-fiction, fiction, poetry, short stories and plays. Emphasis is placed on oral and written expression. Opportunities are provided to improve writing ability. Constant reference is made to grammar skills and structure, and vocabulary development. Test strategies for the PSAT and SAT will be incorporated into the curriculum. A unit on the Holocaust is presented during the course. Students will write a research paper. Skills required to pass the NJSLA-ELA will be stressed.

### ENGLISH II HONORS

Grade 10

Prerequisite: English I CP or English I Honors and Special Placement

Full Year: 5 Credits

This course focuses on an intensive study of literary genres by American and world authors as well as emphasis on oral and written expression. Elements to be stressed include writing, literature, vocabulary, and grammar. Skills required to achieve on standardized tests are stressed. A unit on the Holocaust is presented during the course. Test strategies for the PSAT and SAT will be incorporated into the curriculum. Students will write an extensive literature-based research paper. Students will learn skills to prepare them for Advanced Placement English classes.

### ENGLISH III and ENGLISH III CP

Grade 11

Prerequisite: English II or English II CP

Full Year: 5 Credits

This course will focus on various genres of American literature from the colonial period to the modern period. Genres such as the essay, diary, poetry, short story, drama and the novel will be included in the survey course. Grammar skills and vocabulary building will be reviewed for the required test. Test strategies for the PSAT and SAT will be incorporated into the curriculum. Each student will write a literature-based research paper. Skills required to pass the NJSLA-ELA will be stressed.

### AP ENGLISH LANGUAGE AND COMPOSITION\*\*

Grade 11

Prerequisite: English II CP or English II Honors

Full Year: 5 Credits

Special Placement

The college-level material taught in this course will prepare students for the Advanced Placement English Language and Composition exam given by the College Entrance Examination Board. Students enrolled in this course are required to take the Advanced Placement exam in May of their junior year. Students who

successfully pass the exam may be exempt from a year of English. In concurrence with the nation-wide Advanced Placement English Language and Composition curriculum, this course provides experiences designed to heighten students' skill as readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Frequent writing assignments, some impromptu, will aid the students' verbal growth. Both the writing and the reading assignments will stress the ways in which authors make choices depending on audience, purpose, context, and subject. In addition, much of the course focuses on American Literature, but will include non-fiction as well.

### **ENGLISH IV and ENGLISH IV CP**

Grade 12

Prerequisite: English III or English III CP

Full Year: 5 Credits

This course includes the study of British and world literature and historical backgrounds. Grammar and usage and content are employed in the writing of papers, college resumes, letters of application, and inquiry. The elements of research are reviewed and an extensive research paper is required for graduation. Related career interests will be explored.

### **AP ENGLISH LITERATURE AND COMPOSITION\*\***

Grade 12

Prerequisite: English III CP or AP English Language and Composition

Full Year: 5 Credits

Special Placement

The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Students enrolled in this course are required to take the Advanced Placement exam. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As students read, they should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The elements of research are reviewed and an extensive research paper is required for graduation.

### **ENGLISH FOR SUCCESS BEGINNER, INTERMEDIATE, AND ADVANCED**

Grades 9 - 12

(English as a Second Language)

Full Year: 10 Credits

Special Placement

This is a double block of a language and literature course for students whose native language is other than English. It is designed to increase speaking, listening, reading, and writing proficiency in social and academic English. Students will receive targeted grammar lessons and writing instruction on composing grammatical sentences and organized and coherent paragraphs and essays. Academic and content area vocabulary will be stressed. Students will read fiction and nonfiction texts appropriate to their level of reading proficiency and analyze them through class discussions and the writing process.

\*This course fulfills the language arts requirement.

### **PUBLIC SPEAKING**

Grades 9 - 12

Half Year: 2.5 Credits

Public Speaking is a course designed to guide the student speaker through the creation and presentation of spoken presentations, including impromptu, extemporaneous, and memorized formats. This course clarifies the process of oral communication, strengthens the student's knowledge of the basic principles of public speaking and allows the student the opportunities to engage in a variety of speaking experiences reflective of personal, academic, business and media-oriented settings. This is a Lyndhurst High School graduation requirement.

### **ADVANCED PUBLIC SPEAKING**

Grades 10, 11 & 12

Prerequisite: Public Speaking

Half Year: 2.5 Credits

This course continues to focus on public speaking skills, presenting, and defending ideas and thoughts in public forum. The course combines both theory and practice: it incorporates extensive speaking performance and individualized critiques from instructor and students, as well as analysis of advanced speaking models. The intent of the course is to advance students' ability to deliver polished and informed public speeches adapted to a wide range of audiences and speaking situations.

**JUNIOR PREPARATION ENGLISH**

Grade 11

Special Placement

Full Year: 5 Credits

This course is designed to continue the development of reading and writing skills. Critical reading, inference skills, and techniques of narrative, argumentative, analytic writing will be stressed. This is a full year course that will be graded Pass/Fail.

**SENIOR PREPARATION ENGLISH**

Grade 12

Special Placement

Half Year: 2.5 Credits or Full Year: 5 Credits

This course is designed to assist students who did not meet testing requirements in English Language Arts. This course will be graded Pass/Fail.

**CREATIVE WRITING I**

Grades 9 - 12

Full Year: 5 Credits

This course is designed for any student who has an interest in creative writing. The class will be taught as a writing workshop. Students will compose and revise their work constantly and will have the opportunity to share and perform their work with their classmates and with the community at large. Critical thinking skills and creative expression will be emphasized on all projects.

**DRAMATICS I**

Grades 9 - 12

Full Year: 5 Credits

This course introduces students to the theatrical medium. It will provide students with an understanding of the origins of drama and of the technical aspects of play production. Students enrolled in the course will be required to engage in improvisational and one-act play performance. This course satisfies the Performing Arts requirement for graduation.

**DRAMATICS II**

Grades 10, 11 &amp; 12

Prerequisite: Dramatics I

Full Year: 5 Credits

Dramatics II is designed for students who have already taken Dramatics. This course is the study and application of all aspects of theatre with emphasis in performance techniques, design techniques, and general theatre procedures. This class requires involvement in all school productions. The course is intended to expose students to basic theatre principles and practices, to practical problem solving and critical thinking, to world literature, and to reinforce an appreciation for the craft. This course satisfies the Performing Arts requirement for graduation.

**GOTHIC LITERATURE I and II**

Grades 9 - 12

Half Year: 2.5 Credits; Full Year: 5 Credits

These courses are designed for students who are interested in studying the genre of gothic literature as an art form. Students will read and analyze classic and contemporary gothic literature as well as literary criticism. Students will develop critical reading and writing skills. If students take both semesters of this course they will be granted one college unit.

**JOURNALISM I, II, III, IV**

Grades 9 - 12

Full Year: 5 Credits

This course is designed to enhance the student's ability to fully complete the journalistic process. The students will write articles in the following areas: school news, local news, national/international news, feature, op-ed, editorial, review, and sports. In addition, students will read and analyze articles from other journalists as well as works from their peers. Students will use the journalistic process to construct each work. Additionally, students will gain a general understanding of layout, web design, photography, video, and illustration as they pertain to journalism. Students may take this course multiple years for credit. This course satisfies the 21<sup>st</sup> Century Life and Careers requirement for graduation.



## **JOURNALISM IV HONORS: DUAL ENROLLMENT**

Grade 12

Special Placement

Full Year: 5 Credits

As this course is affiliated with Fairleigh Dickinson University's Middle College Program, students have the option to receive college credit. To receive college credit, a student must register and pay an enrollment and tuition fee through Fairleigh Dickinson University as well as earn a C average or higher as their final course grade.

## **PSYCHOLOGY AND LITERATURE**

Grades 10, 11 & 12

Prerequisite: English I CP, English IH, English II CP or English II Honors

Full Year: 5 Credits

Great literature is often concerned with psychological themes and often provides an avenue of self-discovery. Some of the general issues explored through literature in this course include questions of identity and self-image, the role of the unconscious, and the nature of various problems of adjustment ranging from alienation to madness. In addition, there will be discussions of such theorists as Freud, Erikson, and Maslow among others. This course satisfies the 21<sup>st</sup> Century Life and Careers requirement for graduation.

## **THE HOLOCAUST IN LITERATURE**

Grades 9 - 12

Half Year: 2.5 Credits

The primary emphasis of this course is to help students develop an understanding of various theories of human nature and behavior and understand that genocide is a possible consequence of prejudice and discrimination. Students will learn about the conditions that led to the rise of Nazi power in Germany and about the various forms of resistance, intervention, and rescue that occurred. The ultimate objective is for students to not only understand the nature of genocide, but to reflect on moral responsibility and examine efforts at prevention of future atrocities.

## **INTRODUCTION TO EDUCATION HONORS: DUAL ENROLLMENT**

Grades 11 & 12

Instructor Approval

Full Year: 5 Credits

This course introduces students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. Students learn about classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education. Students participate in a field experience at elementary schools in the Lyndhurst School District.

As this course is affiliated with Bergen County Community College's Dual Enrollment Program, students have the option to receive college credit. To receive college credit, a student must register and pay an enrollment and tuition fee through Fairleigh Dickinson University as well as earn a C average or higher as their final course grade.

## FINE AND VISUAL ART

### ART I

Grades 9 - 12

Full Year: 5 Credits

This course will cover the basics of design, color, drawing, painting and graphics. It is necessary to develop the skills that will be needed in more advanced art courses. Art history is also presented in this course. Career opportunities are explored. This course satisfies the Visual Arts requirement for graduation.

### ART II

Grades 10, 11 & 12

Full Year: 5 Credits

Prerequisite: Art I

This course will cover the basics of figure drawing, graphics, painting, crafts and three-dimensional design. Art history is also presented in this course. Career opportunities are explored. This course satisfies the Visual Arts requirement for graduation.

### ART III

Grades 10, 11 & 12

Full Year: 5 Credits

Prerequisite: Art II

This course will cover more advanced techniques in drawing and painting. Solving design problems will be major part of this course as well as more advanced problems in three-dimensional design. Art history is also presented in this course. This course satisfies the Visual Arts requirement for graduation.

### ART IV

Grades 11 & 12

Full Year: 5 Credits

Prerequisite: Art III

This course is designed for students who wish to strengthen their art skills for a future vocation or avocation and are advanced in techniques of drawing and painting. Students will take part in collaboration projects, sites-specific art and artist proposal write-ups. Career opportunities are explored. This course satisfies the Visual Arts requirement for graduation.

### STUDIO ART HONORS

Grade 9

Full Year: 5 Credits

Prerequisite: 8<sup>th</sup> Grade Art, Special Placement

This course is a studio class designed for a further exploration into various mediums, extension of studio practices, and the growth of artistic style. The student has more opportunity to develop a higher level of personal expression, visual aesthetic judgment, and technical skill in visual art. Students will engage in a variety of visual problem-solving experiences and skills such as: drawing, painting, printmaking, sculpture and mixed media. Projects will have a strong focus on the elements and principles of art and design. In addition to art production, students will be introduced to art history, art criticism and aesthetics. This course satisfies the Visual Arts requirement for graduation.

### ADVANCED STUDIO ART HONORS

Grades 10, 11 & 12

Full Year: 5 Credits

Prerequisite: Studio Art Honors, Special Placement

This course will challenge students to continue creating and making personal artistic decisions exclusive to their own works. It is designed to implement the Elements and Principles of Design successfully when creating and composing art works. The students will use art critiquing skills and proper art terminology. They will also continue to learn about art history and techniques used throughout time. Students are expected to work at a high level demonstrating an elevated artistic intellect. The student will have more opportunity to develop a higher level of personal expression, visual aesthetic judgment, and technical skill in visual art. Students will engage in a variety of visual problem-solving experiences and skills such as drawing, painting, printmaking, sculpture and mixed media. This course satisfies the Visual Arts requirement for graduation.

### PORTFOLIO ART HONORS

Grade 11 & 12

Full Year: 5 Credits

Special Placement

This course is intended for the highly motivated student committed to serious study in Art. This course will deal with building a portfolio, which will be evaluated by participating colleges for college entrance and/or college credit. Career opportunities are explored. Student must present 6-8 pieces of work for evaluation

for entrance to course. Course will run based on enrollment. This course satisfies the Visual Arts requirement for graduation.

## **GRAPHIC DESIGN**

Grades 9 - 12

Full Year: 5 Credits

This course is divided into a series of six units with areas of focus which are uniquely designed to allow the students to discover the commercial aspects of art. The instruction includes a combination of fine art techniques and a multi-platform computer enhancement for the use of creating commercial advertising, posters, and illustrations. This course has been developed to foster an individual artists' ability to employ techniques, think critically, creatively and originally, and to provide the freedom and outlet for personal artistic expression. The advanced cognitive processes such as divergent thinking, evaluation, and problem-solving skills are established as a result of studying Graphic Design and Visual Communication. This course satisfies the Visual Arts requirement for graduation.

## **ADVANCED GRAPHIC DESIGN**

Grades 10 - 12

Prerequisite: Graphic Design, Art I or Teacher Recommendation

Full Year: 5 Credits

This course will enhance the students' design abilities and includes a rigorous and demanding arts curriculum. This course is divided into a series of 5 units with areas of focus which are exclusively designed to allow the students to apply the commercial aspects of Art and Design. The instruction includes a combination of fine art techniques and a multi-platform computer-enhancement for the use of creating commercial advertising, posters, and illustrations as, well as multi-media and motion graphics. This course has been developed to foster an individual artists' ability to employ techniques, think critically, creativity, and originally, and to provide the freedom and outlet for personal artistic expression. The advanced cognitive processes such as divergent thinking, evaluation, and problem-solving skills are established as a result of studying Graphic Design and Visual Communication. This course satisfies the Visual Arts requirement for graduation.

## **ANIMATION AND MOTION GRAPHICS**

Grades 10 - 12

Prerequisite: Art I or higher, Graphic Design or Advanced Graphic Design

Full Year: 5 Credits

This course will provide students with the foundations, elements, and principles of Animation and Motion Graphics. The course will take students through the process of creating all the assets needed for making an Animation film. Throughout this course, the students will be immersed and engaged in a very hands-on experience, whether they are studying 2D frame by frame traditional, 3D stop-motion or even computer enhanced animation. They will learn how to go from the initial concepts, and formulate and craft their own Mood boards, Storyboards, Character Development and Opening Sequence. This course brings together all the elements necessary to create dynamic and engaging stories through both individual and collaborative team centered lessons. This foundational course will investigate and explore the tools and production streams of the extensions and applications found in the Google play store such as Krita, Stop Motion Studio and others. This course has also been built to develop the students' design abilities. This course satisfies the Visual Arts requirement for graduation.

## **YEARBOOK I, II, III**

Grades 10 - 12

Full Year: 5 Credits

This class has been designed to provide students with graphic design, business skills, and the ability to apply those skills to the actual production of the High School Yearbook. The class reinforces teamwork, responsibility, creativity and brainstorming. Students will use Adobe CS3 software and customized yearbook software to design the entire yearbook, learn about typography, design, graphics and photography. Aspects of business including finances, budgeting, yearbook campaign, advertising, distribution and time-management are a focus of the class. Actual work results in the current volume of the High School Yearbook. Yearbook students leave with writing, analytical, communication, and leadership skills. Students may take this course multiple years for credit. This course satisfies the Visual Arts requirement for graduation.

## **ART HISTORY I**

Grades 9 - 12  
Half Year: 2.5 Credits

Art History I will introduce students to the development of period styles in the Western tradition from prehistoric times to the late Middle Ages. Students will acquire knowledge of the principal artists and architects of this period. This course will have some hands-on activities but will not be as technically demanding as Arts I-IV. Students will learn art history through experiencing art, lectures, activities, discussions, reading, and understanding art vocabulary.

## **ART HISTORY II**

Grades 9 - 12  
Half Year: 2.5 Credits

Art History II will introduce students to the development of period styles in the Western tradition from Renaissance Art to the 21st century. Students will acquire knowledge of the principal artists and architects of this period. This course will have some hands-on activities but will not be as technically demanding as Arts I-IV. Students will learn art history through experiencing art, lectures, activities, discussions, reading, and understanding art vocabulary.

## **CRAFTS AROUND THE WORLD**

Grades 9 - 12  
Half Year: 2.5 Credits

This course is a basic crafts course emphasizing the exploration of the fundamentals and history of various cultures and crafts. This class is designed to expose students to various cultures, processes, techniques and methods related to crafts. Students will not only explore art history as it relates to various crafts and cultures, but will also learn the process used to create different crafts. A variety of media will be used and combined to create projects. This course satisfies half of the Visual Arts requirement for graduation.

## **CALLIGRAPHY**

Grades 9 - 12  
Half Year: 2.5 Credits

This course will teach students basic calligraphy skills along with four letter styles, Roman, Celtic, Gothic and Uncial. This course will cover the history behind each letter style and how it influenced the art of writing. Each letter style will start out with the basic strokes and techniques that will differ with each style. Students will create an original art-based calligraphy project incorporating the letter style. This course satisfies half of the Visual Arts requirement for graduation.

## **MINDFUL ART**

Grades 9 - 12

Half Year or Full Year: 2.5 or 5 Credits

This course will focus on employing art media, images, the creative process, and responses to art to reflect an individual's development, abilities, personality, interests, concerns and issues. This course will include techniques such as collage, coloring, doodling and scribbling, drawing, finger painting, painting, sculpting and working with clay. As students create art, they may analyze what they have made and how it makes them feel. Through exploring their art, students can look for themes and conflicts that may be affecting their thoughts, emotions, and behaviors.

## PERFORMING ARTS

### **BAND I, II, III, IV**

Grades 9 - 12

Full Year: 5 Credits

Band I-IV is an experience that focuses on working together in a large group. Each small group within the band is structured as a “mini-community”, all working through sectional and full rehearsals, as well as individual lessons to produce the fulfilling end product, the marching and/or concert performance. The standards of performance are to increase in each year of participation. Students receive private instruction in addition to rehearsal and performance of band music of various styles and periods. Career opportunities are explored. Note: Band includes at least one lesson a week in addition to class meetings. Students may take this course multiple years for credit. This course satisfies the Performing Arts requirement for graduation.

### **OPTION II HONORS BAND**

Grades 9 - 12

Co-requisite: Band I, II, III, IV

Full Year: 5 Credits

By Application and Teacher Recommendation

Students enrolled in Band I, II, III, IV may apply to receive honors credit in that course through Option II. Approved students will be required to fulfill additional obligations outside of the school day throughout the year and submit documents at the end of each marking period to verify their successful completion to the program Advisor. This option is recommended for serious instrumental music students eager to apply themselves by performing beyond the walls of Lyndhurst High School. This course satisfies the Performing Arts requirement for graduation.

### **JAZZ ENSEMBLE**

Instructor Approval

Grades 9 - 12

(Class runs 3 times a week during Lunch)

Full Year: 3 Credits

Jazz Ensemble is an experience that focuses on working together in a small group. Each group within the band is structured as a “mini-community”, all-working through sectional and full rehearsals, as well as individual lessons to produce the fulfilling end product, the Jazz Ensemble performance. This course is open to all students who have achieved a certain degree of proficiency on their instrument. The standards of performance are to increase in each year of participation. Students receive private instruction in addition to rehearsal and performance of Jazz Ensemble music of various styles. Career opportunities are explored.

### **CONCERT CHOIR I, II, III, IV**

Grades 9 - 12

Full Year: 5 Credits

Concert Choir is a course in which the student begins to develop the skills necessary for the performance of Choral Music. Correct singing techniques, posture, breathing and music reading are all studied and practiced. Music of various time periods, languages and genre are studied and performed. Students are expected to develop the necessary skills and implement them in several performances during the year. Students may take this course multiple years for credit. This course satisfies the Performing Arts requirement for graduation.

### **CHORALE**

Grades 9 - 12

Instructor Approval

Full Year: 5 Credits

This course is for the experienced choral student with a serious interest in singing and performing. Correct techniques and performance skills acquired in Choir will be further developed through the implementation of more complex musical material. Students may take this course multiple years for credit. This course satisfies the Performing Arts requirement for graduation.

### **BASIC MUSIC THEORY**

Grades 9 - 12

Full Year: 5 Credits

This course is for students who would like to learn to read and write music while increasing their knowledge and vocabulary. This basic curriculum is designed to help students gain a working knowledge of notation,

intervals, scales, triads, clefs, and harmony. Ear training, solfege (sight singing), transposition, analysis, score reading, melodic and rhythmic dictation are also incorporated into this course. Students will utilize the Music Theory Lab and its MIDI/computer stations equipped with notation software and online instructional programs. Guest artists and field trips may be included. Completion of this course will prepare many students for AP Music Theory. Entrance into both courses are by instructor permission. This is a non-performance based course.

### **BASIC PIANO KEYBOARDING**

Grades 9 - 12

Full Year: 5 Credits

Basic Piano Keyboarding is a course that will help any student learn the basic skills necessary to play piano. Basic music theory will be introduced in order to read piano music. Skills will be developed using technique for both right and left hands. Students will progress from simple five finger patterns to the combination of sounds using both hands. Melodies will include a variety of genres and span the levels from beginning to advanced music dependent upon the individual's ability. A keyboard will be available for learning and practice in the classroom. It would be beneficial for students to have access to a keyboard at home for extra practice, but is not necessary. This course satisfies the Performing Arts requirement for graduation.

### **MUSIC PRODUCTION**

Grades 9 - 12

Full Year: 5 Credits

This course will provide students with a hands-on experience to explore their creative talents in the production of music, music technology, and theatre. Students will explore the fundamentals of technology used in music production as they learn to create, edit, and produce their own music. Students will acquire the skills necessary to synthesize their own beats, how to create and edit music using different software and a MIDI keyboard, and learn the fundamentals of using a DJ controller and software. Along with learning the process of creating music, students will also learn the fundamentals of technical production such as microphones, soundboards, and lighting. This is a non-performance based course.

### **MUSIC APPRECIATION**

Grades 9 - 12

Full Year: 5 Credits

This course will focus upon the field of music and the values that may be obtained from it. The students will develop good taste, imagination and a rich, cultural background through a well-organized program of listening to carefully selected recordings and worthwhile program on television and radio, and exploring community resources. Students will recognize common rhythmic patterns and will have musical experiences that give meaning to time values, intervals, musical vocabulary and other technical aspects of music. Upon this background, students will gain knowledge of the theoretical basis of good music. This is a non-performance based course.

### **HISTORY OF ROCK AND ROLL**

Grades 9 - 12

Full Year: 5 Credits

Students will discover the history of rock 'n' roll in more detail than can be imagined. In this course, students will learn where rock music started, how it evolved, its highs and lows, its outlaws and visionaries, and how it has changed social history. Students will get a chance to explore many of the revolutionary artists who defined rock 'n' roll, as well as the unsung heroes in genres from, punk to metal, and beyond. Students will learn about the musical and business trends in rock, major technological innovations, the prime innovators, and the historical context that has seen rock alternately flourish and struggle over the past 60 years. This is a non-performance based course.

### **THE MODERN BROADWAY MUSICAL: *RENT TO HAMILTON* AND BEYOND**

Grades 9 - 12

Full Year: 5 Credits

In this class, students will study some of the most influential shows to play the Great White Way over the last twenty-five years, with a focus on both how they are constructed and how they have impacted the field and society. Students will examine how musicals are made. How does a show like *Hamilton* become a

worldwide phenomenon, and what keeps a hot property like *Spider-Man* from reaching its potential? Shows examined may include: *Rent*, *The Lion King* (shows that serve as the unofficial gateway to this new generation); *Beautiful* and *In the Heights* (and the ground-breaking 2008 season); *The Book of Mormon*, *Spider-Man*, and *Hamilton*. Students will view excerpts from shows in class. This is a non-performance based course.

# MATHEMATICS

## ALGEBRA I

Grade 9

Special Placement

Full Year: 5 Credits

Students will explore the language of algebra, real numbers, solving and analyzing linear equations, and graphing relations and functions. Calculator use will be integrated throughout the course. Students will explore relations and functions, linear equations and inequalities, polynomials and rational numbers. Skills required to pass the NJSLA-Math will be stressed.

## ALGEBRA I CP

Grades 9 & 10

Full Year: 5 Credits

This course is designed to extend conceptual understanding and skill application of first year Algebra. Algebraic structure and concepts will be applied as students develop reasoning, critical thinking, and problem-solving skills geared toward real world application. Graphing calculator use will be integrated throughout the course. Skills required to pass the NJSLA-Math will be stressed.

## ALGEBRA I HONORS

Grade 9

Special Placement

Full Year: 5 Credits

This is a challenging, rigorous course of first year Algebra. Algebraic concepts and their relevance to the real number system are developed. The structure of algebra and its usefulness in solving real life problems are studied. Graphing calculator use will be integrated throughout the course. Skills required to pass the NJSLA-Math will be stressed.

## GEOMETRY

Grade 10 & 11

Prerequisite: Algebra I

Full Year: 5 Credits

Special Placement

Geometry concepts are developed within the two and three dimensional systems. This course will contain experiences that will develop students' spatial sense and transformation of shapes. Skills required to pass the NJSLA-Math will be stressed.

## GEOMETRY (CP)

Grades 9, 10 & 11

Prerequisite: Algebra I CP

Full Year: 5 Credits

This course presents a logical development of the properties of figures in two and three-dimensional space. Topics emphasized are the study of lines and angles, inductive and deductive reasoning, triangles, polygons, areas, circles, proportions, similarity, inequalities, and their relationships to practical and theoretical situations. Skills required to pass the NJSLA-Math will be stressed.

## GEOMETRY HONORS

Grades 9 & 10

Prerequisite: Algebra I CP or Algebra I Honors

Full Year: 5 Credits

Special Placement

This course is a rigorous exploration of the properties of figures in two and three-dimensional space. Topics emphasized are the study of lines and angles, inductive and deductive reasoning, triangles, polygons, areas, circles, proportions, similarity, inequalities, indirect proofs, and their relationships to practical and theoretical situations. Skills required to pass the NJSLA-Math will be stressed.

## ALGEBRA II

Grades 11 & 12

Prerequisite: Algebra I and Geometry

Full Year: 5 Credits

Special Placement

This course reinforces the fundamentals of algebra and geometry designed to develop, sharpen, and extend algebraic and geometric skills. Graphing calculator use will be integrated throughout the course.



**ALGEBRA II CP**

Grades 10, 11 &amp; 12

Prerequisite: Algebra I, Algebra I CP and Geometry CP

Full Year: 5 Credits

This course is an extension of Algebra I, while developing advanced algebraic reasoning. Topics emphasized are a review of algebraic techniques, equations, inequalities, factoring, operations with fractions, graphs, ratio and proportions, radicals, and quadratic functions. Applications of algebra are emphasized through the study of word problems. Graphing calculator use will be integrated throughout the course. Skills required to pass the NJSLA-Math will be stressed.

**ALGEBRA II HONORS**

Grades 10, 11 &amp; 12

Prerequisite: Algebra I CP and Geometry CP or Geometry Honors

Full Year: 5 Credits

Special Placement

This course is designed to provide students with a rigorous and challenging study of Algebra II. Topics emphasized are a review of algebraic techniques, equations, inequalities, factoring, operations with fractions, graphs, ratio and proportions, radicals, quadratics, linear algebra, and probability. Applications of algebra are emphasized through the use of word problems. Graphing calculator use will be integrated throughout the course.

**COLLEGE MATHEMATICS**

Grades 11 &amp; 12

Prerequisite: Geometry CP and Algebra II CP

Full Year: 5 Credits

College Mathematics is an intensive course in the fundamentals of algebra and geometry designed to develop, sharpen, and extend algebraic and geometric skills necessary for continued progress. Students who master this course will be prepared to take Precalculus. Graphing calculator use will be integrated throughout the course.

**PRECALCULUS CP**

Grades 11 &amp; 12

Prerequisite: Algebra II or Algebra II Honors

Full Year: 5 Credits

This course is designed to provide students with a rigorous and challenging study of Precalculus. Topics emphasized are trigonometry, advanced algebra, analytic geometry, limits, and elements of differential and integral calculus. Graphing calculator use will be integrated throughout the course.

**PRECALCULUS HONORS**

Grades 11 &amp; 12

Prerequisite: Algebra II or Algebra II Honors

Full Year: 5 Credits

Special Placement

This is a rigorous and challenging course emphasizing trigonometry, advanced algebra, analytical geometry, limits, and elements of differential and integral calculus. Students who master this course will be prepared to take Advanced Placement Calculus. Graphing calculator use will be integrated throughout the course.

**CALCULUS HONORS**

Grade 12

Prerequisite: Precalculus CP or Precalculus Honors

Full Year: 5 Credits

Special Placement

Students will explore the concepts of differential and integral calculus and be able to apply them in various problem-solving situations. This course provides a multi-representational approach to calculus, with concepts and problems being expressed geometrically, numerically, analytically, and verbally. Students will be challenged to enhance their mathematical reasoning ability and communication skills through critical thinking exercises and participation in group and individual activities. Graphing calculator and additional technology will be integrated throughout the course.

**AP CALCULUS AB\*\***

Grade 12

Prerequisite: Precalculus CP or Precalculus Honors

Full Year: 5 Credits

Special Placement

AP Calculus reviews work with functions, graphically, numerically, and analytically and introduces the concept of a derivative in terms of a rate of change. Students enrolled in this course are required to take the Advanced Placement exam. This course explores applications of the derivative, the definition of an integral both as a limit of Riemann sums and as an accumulation function, applications of the integral, and the relationship between the derivative and the definite integral as expressed in both parts of the Fundamental Theorem of Calculus. Graphing calculator and additional technology will be integrated throughout the course.

**JUNIOR PREPARATION: MATH**

Grade 11

Special Placement

Full Year: 5 Credits

This course is designed to assist students who did not meet testing requirements for graduation in mathematics. This course will be graded Pass/Fail.

**SENIOR PREPARATION: MATH**

Grade 12

Special Placement

Half Year: 2.5 Credits

This course is designed to assist students who have completed Algebra II CP who did not meet testing requirements for graduation in mathematics. This course will be graded Pass/Fail.

**MATH INVESTIGATIONS**

Grade 12

Special Placement

Full Year: 5 Credits

This course is designed to reinforce the concepts of algebra and geometry. It is designed to assist students who have completed Algebra II who did not meet testing requirements for graduation in mathematics. This is a full year course.

**STATISTICS**

Grades 11 &amp; 12

Prerequisite: Algebra II CP

Full Year: 5 Credits

This course introduces students to the methods used in statistics and probability through the use of sports data. Students will gain insight into the preparation of reports and be better able to interpret the figures and meaning of statistics. Graphing calculator use will be integrated throughout the course.

**AP STATISTICS\*\***

Grades 11 &amp; 12

Prerequisite: Algebra II CP

Full Year: 5 Credits

Special Placement

This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students enrolled in this course are required to take the Advanced Placement exam. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Graphing calculator use will be integrated throughout the course.

## PHYSICAL EDUCATION

### HEALTH 9

Grade 9

Quarter Year: 1.25 Credits

Health 9 emphasizes all aspects of health promotion and the factors that influence these processes including wellness, mental and emotional health, stress management, coping with loss, suicide prevention, nutrition education, and physical fitness. Students will be given the tools and information that will inspire lifelong mental, physical, and nutritional health. Additionally, students will develop the critical thinking and problem-solving skills needed to make healthy decisions through real-life learning experiences and applications.

### DRIVER EDUCATION

Grade 10

Quarter Year: 1.25 Credits

This course is designed to develop good driving skills, knowledge and attitudes with an emphasis on safety. Classroom, simulation, range and road experience will be included. Other content includes rules of the road, weather and hazardous road conditions, family relationships and the car; effects of drugs; tobacco and alcohol use while driving are the objectives of the course. At the conclusion of the course, all students will take the state written exam. When the students pass the exam with a score of 80+, the student becomes eligible for their driving permit and/or 6 hours Driving Course. Guest speakers are invited from the police department to keep an open line of communication, as well as create a safe environment for the future drivers and the Lyndhurst Police Department.

### HEALTH 11

Grade 11

Quarter Year: 1.25

Health 11 is a course that stresses various legal and illegal substances. Students will know and understand the impact these substances have on the mind and body, the effect on their health, the reasons why people use and abuse, and also strategies for preventing and treating addiction; Describes tobacco (nicotine), alcohol, OTC medication, prescription medications (opioids, depressants, and stimulants) and commonly used drugs (marijuana, cocaine, heroin) and the impact it has on peers, family and society. Students will understand biological/genetic, environmental, and media influences as well as negative consequences beyond health problems including: trouble with the law, loss of a job, or strained relationships with a loved one and death. Upon avoiding these substances, students will learn refusal skills and how to resist peer pressure and unwanted sexual behaviors. Students will also be prepared for medical emergencies and learn how to perform Cardiopulmonary Resuscitation, apply basic First Aid, and how to use an Automated External Defibrillator. They will have the opportunity to acquire a CPR, AED, and First Aid Certification.

### HEALTH 12

Grade 12

Quarter Year: 1.25 Credits

Health 12 is a course that emphasizes all aspects of relationships and the ability to relate to a variety of roles in the family. Students will study family life such as peer relationships, dealing with conflict, domestic violence, and child abuse. We will learn about family planning, marriage, pregnancy & childbirth, parenthood, finances, budgeting, the role of abstinence, date rape, sexually transmitted infections, and HIV/AIDS. Students will also learn about human development across the life span including the life cycle, infancy through the preschool years, the school-age and adolescent years, and adulthood and the nature of aging.

### PHYSICAL EDUCATION

Grades 9 - 12

Three Quarter Year: 3.75 Credits

Physical Education classes are designed to practice and develop skills in activities that will help students maintain fitness throughout their life. Early in the fall, student's fitness levels will be assessed in cardiovascular endurance and muscular endurance by way of the PACER Test. From this assessment we will develop a baseline in which we will use to set personal fitness goals. We will explore fitness activities designed to improve all areas of fitness. Our goal is that by the end of the year students will improve their scores on their baseline fitness tests through regular cardiovascular endurance training, muscular endurance training, and activities designed to increase current levels of fitness. Students will be introduced to life-long activities designed to increase their likelihood of exercising in the future. Students will understand the benefits

that regular exercise can provide for a person's mental, physical, and social health. All activities are designed to develop greater proficiency in these skills. Where applicable, aerobics, running, basketball, volleyball, weight control, nutrition, body conditioning, stress management and injury prevention will be introduced. As students' progress through these grades these activities will be introduced. All activities are designed to develop greater proficiency in these skills. Where applicable, plyometrics, walking, running, basketball, volleyball, weight control, nutrition, body conditioning, stress management and injury prevention will all be included throughout the school year. This course is required for four years.

## **FITNESS FOR LIFE**

Grades 9 & 10

Full Year: 5 Credits

This full year elective course is an introductory lesson teaching a number of workout concepts for a student that is a student athlete and for a student who is new to working out. The two components will consist of speed training and nutrition. The speed training component will introduce various techniques to increase stamina, cardiovascular endurance, agility and flexibility. The nutritional phase will consist of proper diet, meal planning and sport specific diets for a healthy lifestyle. The objective of this class is to enable students to gain an understanding of the key components needed to reach their personal goals. Students may take this course multiple years for credit with teacher recommendation.

## **STRENGTH TRAINING**

Grades 11 & 12

Full Year: 5 Credits

This full year elective course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. Students may take this course multiple years for credit with teacher recommendation.

## **YOGA**

Grades 9 - 12

Half Year: 2.5 Credits

This half-year elective course is designed to promote life-long physical activity and to develop an understanding of the benefits of being healthy. In this class, yoga practices are utilized to become more physically, mentally, and emotionally fit. The emphasis of this class will be asana practice, which refers to poses and postures designed to develop flexibility, muscular strength, and muscular endurance. Emphasis will be placed on correct alignment and safe practice. Students will learn concepts of physical fitness, identify stress reduction techniques, gain an increased ability to concentrate and develop a personal fitness plan to support a lifetime of mental and physical health.

## **SWIMMING**

Grades 9 - 12

Full Year: 5 Credits

This full year course emphasizes the use of swimming for physical fitness enhancement and enjoyment, while working to increase the level of cardiovascular endurance, improve stroke and turn techniques and obtain a better understanding of the basic principles of aerobic training through successful completion of swimming workouts. Students may take the class multiple years for credit with the teacher's recommendation.

## SCIENCE

### BIOLOGY

Grades 9 - 12

Special Placement

Full Year: 5 Credits

This course can be adjusted to the level of the student and students gain an understanding of processes closely associated with biological and environmental sciences. Emphasis is placed on an appreciation of the applications of scientific knowledge to everyday life through laboratory experiments. Technology is integrated throughout this course. These students are identified by their IEP and their needs are met accordingly.

### BIOLOGY CP

Grades 9 - 12

Full Year: 5 Credits

This course is for students who will be going to college and for those who may be interested in enrolling in the Anatomy and Physiology Middle College program at the high school. Emphasis is on the study of all living things through laboratory work that allows students to derive concepts. Students will explore cellular and molecular biology, genetics and the diversity of living things, biochemistry, evolution, human biology and the relationship of living things to their environment. Career opportunities are explored. The Department of Education passed a law allowing public school students to choose not to participate in certain experiments involving the dissection and/or use of animals. Parents must notify the school in writing prior to the beginning of the school term and alternate methods of instruction will be provided. Students are required to take and successfully pass the New Jersey Biology Competency Test (NJBCT). Technology is integrated throughout this course.

### BIOLOGY HONORS

Grades 9 - 12

Special Placement

Full Year: 5 Credits

This is a rigorous course for students who plan to major in any area of science in college, and for those who intend to enroll in the Anatomy and Physiology Middle College program at the high school. This course is laboratory oriented and focuses on the more technical aspects of biology. Emphasis will be placed on molecular and cellular biology, ecology, basic anatomy of humans, mechanisms of evolution, basic chemical reactions of living things, genetics, and the diversity of living things. The Department of Education passed a law allowing public school students to choose not to participate in certain experiments involving the dissection and/or use of animals. Parents must notify the school in writing prior to the beginning of the school term and alternate methods of instruction will be provided. Students are required to take and successfully pass the New Jersey Biology Competency Test (NJBCT). Technology is integrated throughout this course. Placement into this course is based on the evaluation and recommendation made by the elementary school teacher and the department supervisor.

### AP BIOLOGY\*\*

Grades 11 & 12

Prerequisite: Algebra II CP, Biology CP, Chemistry CP

Full Year: 5 Credits

AP Biology is designed to be the equivalent of a two-semester college introductory biology course. Students enrolled in this course are required to take the Advanced Placement exam. This is a comprehensive course and students are expected to dedicate a significant amount of time to coursework and study. The topics covered are similar to those covered in a non-AP biology class, however emphasis is placed on: molecules and cells, heredity and evolution, and organisms and populations. Two main goals of AP Biology are to help students develop a conceptual framework for modern biology and an appreciation of the science process.

### CHEMISTRY

Grades 9 - 12

Special Placement

Full Year: 5 Credits

This course focuses the student on the basic concepts of Chemistry. The course will emphasize the use of concepts learned in the students' everyday lives through laboratory experiments. Technology is integrated throughout this course. These students are identified by their IEP and their needs are met accordingly.

**CHEMISTRY CP**

Grades 10, 11 &amp; 12

Prerequisites: Biology CP and Algebra I CP

Full Year: 5 Credits

This course focuses on the fundamental principles, laws, and concepts of general chemistry. The curriculum incorporates problem solving and the application of general mathematical concepts to chemical principals. The principals of structure, matter, and energy relationships are emphasized throughout the course. Major topics include atomic structure and the periodic table, the mole concept, chemical bonding, chemical reactions, chemical stoichiometry, states of matter, solution chemistry, and acid based theory.

**CHEMISTRY HONORS**

Grades 10, 11 &amp; 12

Prerequisite: Biology CP or Honors, concurrent enrollment in Algebra II CP or Honors

Full Year: 5 Credits

Special Placement

Chemistry Honors is a rigorous course that develops the unifying principles of chemistry through observation, experimentation, and measurement and applies content to everyday life. It relates chemistry to the other diverse phenomena in science. Students will observe chemical principals directly from experience and discovery.

**PHYSICS**

Grades 9 - 12

Special Placement

Full Year: 5 Credits

This course focuses the student on the basic concepts of Physics. The course will be mostly conceptual, but will integrate basic mathematical formulas. The course will emphasize the use of concepts learned in the students' everyday lives through laboratory experiments and class activities. Technology is integrated throughout this course. These students are identified by their IEP and their needs are met accordingly.

**PHYSICS CP**

Grades 11 &amp; 12

Prerequisite: Biology, Chemistry and Algebra II

Full Year: 5 Credits

This course is suggested for students going on to college, especially those interested in some form of engineering. Emphasis is placed on mathematical interpretation of natural phenomena and is explored through observation, experimentation, and measurement. Students will gain knowledge and understanding through laboratory experience and classroom activity. Technology is integrated throughout this course.

**AP PHYSICS 1 ALGEBRA-BASED\*\***

Grades 11 &amp; 12

Prerequisite: Chemistry CP or Honors and Algebra II CP or Honors

Full Year: 5 Credits

AP Physics is designed to be the equivalent of a first-semester introductory college physics course. Students enrolled in this course are required to take the Advanced Placement exam. The course covers Newtonian mechanics (including rotational dynamics and angular momentum), work, energy and power, mechanical waves, sound, and electrical circuits. In this course students develop a deep understanding of the content and focus on applying that knowledge through inquiry-based labs. Computer interfacing will be infused into laboratory exercises and allow in-depth exploration of many physics concepts. AP Physics 1 provides a foundation in physics for those students continuing in the life sciences, pre-medicine, and some applied sciences, as well as other fields not directly related to science.

**ENVIRONMENTAL SCIENCE HONORS: DUAL ENROLLMENT**

Grade 12

Prerequisite: Biology CP or Honors and Chemistry CP or Honors

Full Year: 5 Credits

Special Placement

This course is a full year, high-level course for senior students that will focus on the science behind environmental issues. The goals of this course are to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze natural and anthropogenic impacts that can change the environment, to research and evaluate the relative risks associated with environmental problems, and to examine alternative solutions for mitigating and/or adapting to these issues. Laboratory investigations and/or field research as well as case studies are integral parts of the course.

As this course is affiliated with Fairleigh Dickinson University's Middle College Program, students have the option to receive college credit. To receive college credit, a student must register and pay an enrollment and tuition fee through Fairleigh Dickinson University as well as earn a C average or higher as their final course grade.

### **HUMAN ANATOMY/PHYSIOLOGY HONORS: DUAL ENROLLMENT**

Grade 12

Prerequisite: Biology CP or Honors and Chemistry CP or Honors

Full Year: 5 Credits

Special Placement

This elective course is suggested for those students who plan to major in a life science or related fields in college. It is designed to be a freshman college level course that is laboratory oriented. It is an in-depth and rigorous course covering all the systems of the body while investigating the relationship between structure and function. Emphasis is placed on critical thinking, analysis of physiological concepts, and practical application. It includes a unit on the effects of drugs, alcohol, and tobacco on the human systems and microbiology.

As this course is affiliated with Fairleigh Dickinson University's Middle College Program, students have the option to receive college credit. To receive college credit, a student must register and pay an enrollment and tuition fee through Fairleigh Dickinson University as well as earn a C average or higher as their final course grade.

### **FORENSIC SCIENCE**

Grades 11 & 12

Prerequisites: Biology CP or Honors and Chemistry CP or Honors

Full Year: 5 Credits

Forensic Science is an elective course. Topics include introduction to forensic science/criminalistics and the crime scene, physical evidence and their properties, glass and soil, organic and inorganic, microscopic examination in forensics, hairs, fibers, and paint, fingerprints, firearms, tool marks, and other impressions, handwriting and voice analysis, forensic toxicology, serology, DNA, and forensic aspects of arson and explosion investigation. Concepts will be explored through lecture, laboratory activities, and Internet research.

## **SOCIAL STUDIES**

### **WORLD HISTORY and WORLD HISTORY CP**

Grade 9

Full Year: 5 Credits

This course is designed to give students a historical background of the world in which we live. The students will observe civilization's growth through a study of the European Medieval World, the Renaissance, Age of Exploration, the Age of Absolutism, The Enlightenment, The French Revolution, the development of Nation-States, and the Industrial Revolution. Concepts stressed include geography, colonialism, nationalism, democracy, militarism, and monarchy. Skills stressed include reading comprehension, writing map skills, research skills, and critical thinking. A document based writing skills program is also included in this course.

### **WORLD HISTORY HONORS**

Grade 9

Special Placement

Full Year: 5 Credits

This course is designed to cover the major world themes and developments that link civilizations in Asia, Africa, Europe and the Americas. Most of the course dwells on the year 1000 AD to the present; however, an early foundation segment incorporates the years prior to the year 1000. United States history will be included in the curriculum in relation to its interaction with other societies in the world. Concepts and skills to be stressed: analysis, synthesis, document based essays, and historical research.

### **UNITED STATES (US) HISTORY I and US HISTORY I CP**

Grades 9 & 10

Full Year: 5 Credits

This course is intended to develop background historical information about the American people and their early heritage. The course begins with the settlement of the original 13 colonies in the early 17th century. The course focuses on major American historical events such as: North American colonization, American Revolution, the framing of the Constitution, the evolution of our system of government, westward expansion, the development of foreign relations, and concludes with the Civil War. Skills stressed include: reading comprehension, historical research, primary & secondary source analysis. document-based essays, & connecting historical and current social, political, and economic events.

### **UNITED STATES (US) HISTORY I HONORS**

Grade 10

Special Placement

Full Year: 5 Credits

This course is intended to develop the ability to analyze and evaluate historical information about the American people and their early heritage. (European, African, Asian and Native American) Historical information is developed through an understanding of leadership and cause/effect relationships as set in a conceptual framework. Reading, writing, and independent study skills are stressed. The course focuses on the evolution of our system of government and the principles of the constitution.

### **UNITED STATES (US) HISTORY II and US HISTORY II CP**

Grade 11 & 12

Prerequisite: US History I

Full Year: 5 Credits

This course analyzes US History from 1865 to the present day. Among the major topics of study are the following: the transformation from a rural agricultural to urban industrial society, the challenges Native Americans faced, the new American Imperialism, US involvement in World War I, the United States between the wars, and the political, social, economic, and military effects of World War II. Topics also include the beginning and end of the Cold War, Korea, Vietnam and Post-Vietnam foreign policy, politics and economics. The modern-day presidencies of the 1980's, 1990's and 2000's will also be studied in depth. Students will be expected to read both primary and secondary sources, complete independent and group projects, write Document Based Question essays, and learn skills and content that will enable them to become informed and active members of society.



**AP UNITED STATES HISTORY\*\***

Prerequisite: US History I CP or US History I Honors

Special Placement

AP US History is a college level course available to highly motivated students. Students enrolled in this course are required to take the Advanced Placement exam in May. This course covers the study of US History from the Reconstruction period through the 20th century. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. The course will include primary source analysis, conceptual topic reviews, independent study, supplementary readings, and independent and group projects.

Grades 11 &amp; 12

Full Year: 5 Credits

**AP COMPARATIVE GOVERNMENT AND POLITICS\*\***

Prerequisite: World History CP or World History Honors

Special Placement

AP Comparative Government and Politics is a college level course available to highly motivated students. Students enrolled in this course are required to take the Advanced Placement Exam. This course exposes students to the diversity of political life outside the United States. The course uses a comparative approach to examine the political structures, policies, and political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.

Grades 10, 11, &amp; 12

Full Year: 5 Credits

**AP US GOVERNMENT AND POLITICS\*\***

10, 11 &amp; 12

Prerequisite: World History CP or World History Honors

Special Placement

AP US Government and Politics is a college level course available to highly motivated students. Students enrolled in this course are required to take the Advanced Placement exam. The curriculum consists of an introductory study of U.S. government as well as the American political system. This course focuses on government institutions and political processes and examines policy choices. The institutions and policies of the government are considered in light of historical change, constitutional procedures, and comparative perspectives.

Grades

Full Year: 5 Credits

**AP HUMAN GEOGRAPHY\*\***

Prerequisite: World History CP or World History Honors

Special Placement

The AP Human Geography course is a college level course that introduces students to the systematic study of and processes that have shaped human understanding, use and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

Grades 10, 11 &amp; 12

Full Year: 5 Credits

**AP EUROPEAN HISTORY\*\***

Prerequisite: World History CP or World History Honors

Special Placement

AP European History is a college level course available to highly motivated students. Students enrolled in this course are required to take the Advanced Placement exam in May. This course covers Western civilization from the 14<sup>th</sup> through the 21<sup>st</sup> centuries – from the Black Death to the age of Twitter – as the modern world emerged. Students will explore nearly 700 years' worth of governments, art, philosophy,

Grades 10, 11 &amp; 12

Full Year: 5 Credits

warfare, technology, daily life, economics, and social change. This course will also illustrate how Europeans interacted with the world's other peoples as a single global community was created. This course will help prepare students for the skills in reading, writing, and analysis needed to succeed in college and beyond.

## **ECONOMICS OF BUSINESS**

Grades 10, 11 & 12  
Half Year: 2.5 Credits

Economics of Business is a focus on Macro-Economics and its role in our everyday lives. This course will provide students with a background in economic knowledge in relation to business organizations, labor unions, and the stock and bond market. The students will analyze and evaluate the basic economic principles of supply and demand while focusing on its interrelation to the U.S. and global market economies. Business structures and their methods of capital formation and financing will be a major area of focus. The role of organized labor and the American consumer will be studied as the balancing forces of big business. A basic understanding of the stock market and investing will help students to better understand their own role in the ever-growing U.S. and global economies. This course satisfies half of the 21<sup>st</sup> Century Life and Careers requirement for graduation.

## **ECONOMICS OF FINANCE**

Grades 10, 11 & 12  
Half Year: 2.5 Credits

Economics of Finance is a focus on Micro-Economics and its role in our everyday lives. This course will provide students with a background in economic knowledge in relation to money, banking, trade and taxation from their own personal level to the levels of government, business, and international business. Subjects brought up within this class include financial investments, advertising, marketing, and estate planning. The students will also analyze and evaluate the basic economic principles of the U.S. Government involvement with federal budget making and taxation procedures that guide our fiscal policies. An examination of the problems of a fluctuating market economy will be contrasted with the economic goal setting policies of our government. This course satisfies half of the 21<sup>st</sup> Century Life and Careers requirement for graduation.

## **LAW AND CIVICS**

Grades 9-12  
Full Year: 5 Credits

Law and Civics explores the necessity of a government structure and law making. Students will focus on the duties, powers, roles and problems of past and present Presidents, Members of Congress and Justices of the Supreme Court. Emphasis is placed on political, societal, and legal current events that enable students to develop a realistic appreciation and understanding of our government and legal system today and the importance of active participation in it. Students are exposed to the fundamental concepts of such legal areas as contracts, torts, criminal law, property law and constitutional law in a modern society. This course is intended to inform students about their society and its values; to encourage critical thinking; to break down any popular misconceptions and stereotypes regarding our legal system. Special attention will be paid to the criminal justice process, trials, defenses, and sentencing. This course satisfies the 21<sup>st</sup> Century Life and Careers requirement for graduation.

## WORLD LANGUAGES

### **SPANISH I CP or ITALIAN I CP**

Grades 9 - 12

Full Year: 5 Credits

This class establishes the foundations of the target language. Skills in listening, speaking, reading and writing are developed through basic conversations, grammatical structures, vocabulary building, readings and dialogues. Cultural activities foster an understanding and an appreciation of other peoples' customs, history, literature and language.

### **SPANISH I HONORS**

Grade 9

Special Placement

Full Year: 5 Credits

This advanced class will focus on skills in listening, speaking, reading and writing through conversation, grammatical structure, vocabulary building and readings. Culture is introduced through a variety of instructional activities. Placement for this course is based on evaluation and recommendation by the elementary and High School target language teachers, elementary World Language and Language Arts grades, locally designed assessments, and student's overall performance in school.

### **SPANISH II CP or ITALIAN II CP**

Grades 9 - 12

Prerequisite: Language Level I or transcript review

Full Year: 5 Credits

The second year of world language studies is a continuing program in which listening, speaking, reading, and writing are further developed. The instructional areas in conversations, grammatical structure, and selected readings become more complex and diversified. The students will develop skills to utilize the language in everyday situations. Cultural enrichment is continued through a variety of instructional media.

### **SPANISH II or ITALIAN II HONORS**

Grades 9 - 12

Prerequisite: Language Level I or transcript review and Special Placement

Full Year: 5 Credits

Students enrolled in this course during their freshman year will have the opportunity to take an AP level course in the target language during their senior year. It is intended to gradually increase length, difficulty and a variety of assignments to continue to develop skills in reading, writing, speaking and listening in the target language. Placement for this course is based on evaluation and recommendation by the elementary and High School target language teachers, elementary World Language and Language Arts grades, locally designed assessments, and student's overall performance in school.

### **SPANISH III CP or ITALIAN III CP**

Grades 9 - 12

Prerequisite: Language Level II or transcript review

Full Year: 5 Credits

This course builds on skills acquired in target language Levels I and II. Emphasis is placed on more advanced grammar and vocabulary, including verb tenses, pronouns, and syntactical patterns of the language. Reading, writing, and oral exercises are key components at this level, based on themes introduced in each lesson. Oral participation is mandatory. Information on Spanish or Italian culture is interwoven throughout activities provided in the course.

### **SPANISH III or ITALIAN III HONORS**

Grades 9 - 12

Prerequisite: Language Level I or transcript review and Special Placement

Full Year: 5 Credits

Students enrolled in this course during their sophomore year will have the opportunity to take an AP level course in the target language during their senior year. Students focus on written expression and advanced grammar. Representative literary works are read in the languages to expose the students to foreign authors and improve understanding and appreciation of the target culture. Placement for this course is based on evaluation and recommendation by the High School target language teachers, World Language and Language Arts grades, locally designed assessments, and student's overall performance in school.

### **SPANISH IV OR ITALIAN IV HONORS: DUAL ENROLLMENT**

Grades 10, 11 & 12

Prerequisite: Language Level III or transcript review

Full Year: 5 Credits

Special Placement

This advanced course places a strong emphasis on grammar and its various structures through a thematic approach in preparation to the next advanced level. At this level the students begin to interpret, analyze, and synthesize texts from various sources including: audio, video, and written sources. Oral proficiency is addressed through class discussion and classroom projects. Placement for this course is based on teacher recommendation, World Language grades, and locally designed assessments.

As this course is affiliated with Fairleigh Dickinson University's Middle College Program, students have the option to receive college credit. To receive college credit, a student must register and pay an enrollment and tuition fee through Fairleigh Dickinson University as well as earn a C average or higher as their final course grade.

**AP SPANISH LANGUAGE AND CULTURE\*\***

Grade 10, 11 & 12

Pre-requisite: Language Level IV or transcript review

Full Year: 5 Credits

Special Placement

This is an advanced course for students who wish to pursue college level studies while still in secondary school. Students enrolled in this course are required to take the Advanced Placement exam. The course emphasizes the use of the Spanish language for active communication and exposure to Spanish/Latino culture. The course focuses on writing, conversation oral skills, reading comprehension, grammar, culture and composition. Placement for this course is based on teacher recommendation, World Language grades, and locally designed assessments.

## **SPECIAL PROGRAMS**

### **VIRTUAL HIGH SCHOOL**

Special Placement

Counselor and teacher recommendation

Virtual High School (VHS) provide online learning opportunities for electives or courses not available in our Program of Studies.

Grades 10, 11 and 12

Half Year: 2.5 Credits or Full Year: 5 Credits

### **PEER GROUP CONNECTION PROGRAM**

Special Placement

In this course, senior peer leaders will be in co-leader teams as group discussion leaders, positive role models, and team mentors for their freshmen peers. During outreach sessions, seniors will lead discussions with freshmen about common issues facing high school students. Sessions will emphasize substance use prevention, improvement of critical thinking and decision-making skills, the examination of peer pressures, the importance of relationships with family and friends, academic concerns, time management, as well as negotiation, and refusal skills.

Grade 12

Full Year: 5 Credits

### **STUDENT TEACHING ASSISTANT**

Special Placement - Counselor recommendation,  
teacher and administrative approval

Students who have met their graduation requirements can apply to become a Students Teaching Assistant (STA). They will be matched with cooperating teachers who offer courses during their free period in the subject area of their choice. STAs must be approved by the cooperating teacher, recommended by their guidance counselor and approved by high school administration. Taking on the responsibility of a full-time teaching assistant, they will work together with their cooperating teacher to determine their role throughout the year. Depending on the cooperating teacher, STAs can help to develop lessons, facilitate activities, and serve as an added resource for the students in that course. This strategy is a way to keep 11<sup>th</sup> and 12<sup>th</sup> grade students engaged as academic leaders in the high school community. Students may enroll in this program multiple years for credit.

Grades 11 & 12

Full Year: 5 Credits

## **VOCATIONAL AND COOPERATION EDUCATION**

### **BERGEN VOCATIONAL TECHNICAL CENTER PROGRAM**

Grades 9-12

Full Year: 15-20 Credits

Admission to The Bergen Vocational Technical Center Program in Paramus will be considered once in a school year in the Spring for September admission.

**Full-Time:** Students for the full-time option are selected upon application to the school during the eighth-grade year for entrance as ninth graders. Once students are offered admission to the school, each student will be enrolled in both an academic program and a technical program that addresses his or her unique learning style and meets New Jersey high school graduation requirements. Upon graduation, a student may be prepared for college, a postsecondary training program or the workforce.

**Shared-Time:** The shared-time option requires a commitment from students to attend two high schools simultaneously. Students will complete academic requirements for high school graduation at their local high schools and will develop career and technical skills in one of the programs offered at Paramus Campus of the Bergen County Technical and Vocational High School (BCTVHS). Uniquely, students have an opportunity to graduate from high school prepared for several paths: college, postsecondary training school or workforce entry.

## **LIFE SKILLS AND WORKPLACE PREPARATION**

### **MATHEMATICS**

Grades: 9 - 12

#### Functional Mathematics I-IV

Full Year: 5 Credits

The primary goal of these courses is to help students acquire math skills that will eventually contribute to independent living at the highest-level possible. Therefore, the central focus will be on problem solving using mathematical skills in the real world. The students will develop an understanding of mathematics that will provide them with the ability to participate in school-based learning as well as community-based experiences reflecting the real-world scenarios. All skills gained from these courses will encourage students to become better problem-solvers and consumers in the 21st century. The learning goals and activities are driven by the New Jersey Student Learning Standards (SLS).

### **ENGLISH LANGUAGE ARTS**

Grades: 9 - 12

#### Functional Language Arts I-IV

Full Year: 5 Credits

The purpose of these courses is to prepare students for the literacy demands of today's society. These courses will enable students to develop literacy skills required for workplace training and success. Reading, writing, and thinking experiences will be incorporated in instruction on a daily basis. Students will be able to generalize skills learned in this course into the community and workplace setting. The learning goals and activities are driven by the New Jersey Student Learning Standards (SLS).

### **SCIENCE**

Grades: 9 - 12

#### Functional Science I-IV

Full Year: 5 Credits

These Science courses will expose students to the different areas of science while teaching them applicable skills that they will need for independent living in the real world. Students will be exposed to content in areas such as basic: Biology; Chemistry; Earth Science; Environmental Studies and Physics. Interdisciplinary learning in reading, writing and computation will be integrated while providing for the differentiated learning styles of students. The learning goals and activities are driven by the New Jersey Student Learning Standards (SLS).

### **SOCIAL STUDIES**

Grades: 9 - 12

#### Functional Social Studies I-IV

Full Year: 5 Credits

Social Studies is designed to provide our most intellectually disabled students with functional skills for independent living. This course is designed to enable students to develop basic understanding of key concepts such as citizenship, government, navigating their natural environment as well as understanding the function and role of various social institutions. In Social Studies skill areas such as Civics, United States and New Jersey History, and Geography will be covered. The learning goals and activities are driven by the New Jersey Student Learning Standards (SLS).

### **STRUCTURED LEARNING EXPERIENCE**

Grades: 11 & 12

#### Structured Learning Experience

Full Year: 5 Credits

There are some skills that students will never be able to learn in the classroom. The Structured Learning Experience course is a social skills and career-based course. It is designed to prepare students for their role as citizens and for career and workplace readiness after graduation. Students will work on specific goals as aligned with their Individualized Education Plan.

### **COMMUNITY BASED INSTRUCTION/VOCATIONAL (CBI) SKILLS**

Grades: 9 & 10

Full Year: 5 Credits

The Community Based Instruction (CBI) program is designed for students that need intensive instruction in functional and daily living skills. The central focus of this course is to provide educational instruction in naturally occurring community environments providing students "real life experiences". Students will engage in a variety of hands on learning opportunities to help them acquire the skills needed to live in the world today. It provides training and education to improve students' ability to independently perform daily activities and effectively utilize community resources. The instructional outcomes for this course will focus on skill

development, and are not intended to provide substitute task performance. Activities of daily living targeted in this course may include, but are not limited to money management, home care maintenance, food preparation, accessing and utilizing community resources, community mobility, safety/emergency skills training, time management/calendar skills and personal hygiene.

#### ADAPTIVE PHYSICAL EDUCATION

Grades: 9 - 12  
Full Year: 5 Credits

The Adaptive Physical Education Curriculum is an organized, sequential curriculum for teaching our students the information and skills they will need to maintain and improve health, prevent disease, reduce health-related risk behaviors, and improve quality of life through lifetime physical activities. Written into this curriculum is the ability to adjust and personalize each activity to best utilize each student's skills and overcome their personal disabilities and/or handicaps.

#### HEALTH EDUCATION

Grades: 9 - 12  
Quarter Year: 5 Credits

The Health Education Course is designed to enhance the students' awareness and knowledge of healthy lifestyle choices. Adolescent risk behaviors such as tobacco use, dietary patterns that contribute to disease, sedentary lifestyles, sexual behaviors, alcohol and drug use, and behaviors that result in intentional and unintentional injury will be covered. Mental and emotional health will also be covered.

#### CAREER COMMUNICATION

Grades: 9 - 12  
Full Year: 5 Credits

This course is designed to develop and enhance students' communication skills in the workplace as well as in social settings. Students will learn appropriate communication skills required for interviews, how to appropriately interact with co-workers as well as customers & clients. While learning to speak for a variety of purposes and audiences and developing the ability to become active listeners, students will also learn how to work successfully with a partner or small group to accomplish common goals.



**\*\*The AP test is a course requirement. If the test has to be rescheduled for any reason students are responsible for all late charges. Placement for this course is based on teacher evaluation and recommendation and/or placement exam. Students are responsible for a minimal testing fee.**