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# CAREER PATHWAYS

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NORTHERN VALLEY REGIONAL  
HIGH SCHOOL

## CURRICULUM PHILOSOPHY

The Northern Valley Regional High School District provides a comprehensive educational program offering a wide variety of learning opportunities for all students. The curriculum is the means to attain the established educational goals of the Northern Valley district. More specifically, the curriculum is designed to provide students with the knowledge and skills required:

- (a) for success in college/university level studies or in the workplace
- (b) to meet the challenges of the global economy
- (c) to become life-long learners
- (d) for practicing responsible citizenship and family life
- (e) for the successful completion of the NJ State Assessment Program.

Full-year and half-year courses are offered in eleven content areas. Some courses are required to meet district and NJ State Department of Education mandates while others provide students with electives to fulfill individual interests and needs. Courses are aligned with the NJ Core Curriculum Content Standards and most incorporate technological components.

It is expected that college-bound students experience college-level work by 12th grade, such as: AP courses, college enrichment, dual enrollment (Project Acceleration), virtual courses or partial early college enrollment.

Career Pathways are opportunities for students to design an educational program aligned with possible post-secondary college or career interests. Elective course clusters are sequenced for students to follow a career path. Students can select their rigorous required courses and electives to create a "mini-major" or concentration of courses that will be helpful as they pursue post-secondary opportunities. Please note that students may opt to choose a variety of elective courses to explore potential opportunities.

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***Please note that the career pathways are suggested courses based on career interest. Students are not locked into one pathway and may select any course as long as they have met all requirements and prerequisites.***

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# BUSINESS, LAW & GOVERNMENT

## BUSINESS MANAGEMENT &

### ADMINISTRATION

Business Organization Management  
21st Century Business Apps  
Entrepreneurship  
International Business  
AP Language & Composition  
Speech  
Debate  
World Language  
Trig/Stat or AP Stats

### GOVERNMENT &

#### PUBLIC ADMINISTRATION

Business Law  
Constitutional Law  
AP Government & Politics  
Sociology  
Psychology  
Speech  
Debate  
World Language  
American Studies  
European History AP  
AP Language & Composition  
Economics/AP Economics  
Trig/Stat or AP Stats



## MARKETING, SALES & SERVICE

Business Organization Management  
21st Century Business Apps  
Marketing 1-2-3 Honors  
Accounting Honors  
International Business  
Business Law  
Entrepreneurship  
Digital Art & Design  
Advanced Digital Art & Animation  
Creative Writing  
Creative Nonfiction Writing  
AP Language & Composition  
Journalism 1  
Advanced Journalism 2 Honors  
Advanced Journalism 3 Honors  
Debate  
Sociology  
Psychology  
Trig/Stat or AP Stats  
World Language  
Economics/AP Economics  
Culinary Arts 2:  
Contemporary and Artisanal Cuisine

### FINANCE

Business Organization Management  
21st Century Business Apps  
Accounting Honors  
Business Law  
Entrepreneurship  
International Business  
Economics/AP Economics  
World Language  
Trig/Stat or AP Stat

## RELATED CAREERS/FIELDS

Lawyer, Law Enforcement, Political Fields, Social Work, Civil Service, FBI, CIA, Foreign Service, Peace Corps, Banking, Bookkeeping, Accounting, Financial Analyst, Stock Trader, Advertising, Promotions, Marketing Manager, International Marketing, International Sales, Graphic Designer, Market Research Analyst, Operations Research Analyst, Financial Advisor, Business Operations Manager, Sports & Entertainment Management, Entrepreneur, Education, Food Marketing, Research Chef, FDA, USDA

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# FINE, PRACTICAL & PERFORMING ARTS

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## VISUAL ARTS

Art Experience  
Video Game, Anime, & Comic Book Art  
Digital Art & Design  
Advanced Digital Art & Animation  
Printmaking & Photography  
Digital Photography 1  
Drawing, Painting, & Mixed Media 1  
Drawing, Painting, & Mixed Media 2  
Three Dimensional Design  
AP Art History  
AP Studio Art:  
Drawing/2D Design/3D Design

## COMMUNICATIONS

Journalism 1  
Advanced Journalism II Honors  
Advanced Journalism III Honors  
Creative Writing  
Speech  
Creative Non-Fiction Writing  
Film Production  
History of the US through Film & Media

## CULINARY ARTS

Culinary Arts 1  
Culinary Arts 2:  
Baking, Pastry, & World Cuisine  
Artisanal & World Cuisine

## THEATRE ARTS

Introduction to Theater  
Stagecraft and Design  
Theatre Arts 1, 2/2H

## MUSIC

### Instrumental

Concert Strings  
String Orchestra 1-2-3 Honors  
Concert Band  
Wind Symphony 1-2-3 Honors  
Guitar 1-2  
Music Theory & Technology  
AP Music Theory

### Vocal

Concert Chorus  
Concert Choir 1-2-3 Honors  
Guitar 1-2  
Music Theory & Technology  
AP Music Theory



## HUMANITIES

Modern Poetry  
Women in Fiction  
AP Language & Composition  
Creative Writing  
Creative Nonfiction Writing  
Film Production  
AP Art History  
Exploring Music  
European History AP  
American Studies  
Sports & History  
History of the US through  
Film & Media

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## RELATED CAREERS/FIELDS

Music Performance, Music Business, Journalism, Public Relations, Media/Radio/  
Television Broadcasting, Business Communications & Education, Performing Artist,  
Film Maker, Arts Administrator, Script Writer, Producer/Director, Education, Media,  
Journalism, Publishing, Entertainment, Public Relations, Communications, Writer,  
Food Stylist, Pastry Chef, Food Photographer, Food Writer

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# HUMAN SERVICES

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## HOSPITALITY & TOURISM

Business Management Organization  
Culinary Arts 1-2  
Business Law  
Entrepreneurship  
International Business  
World Language  
AP Government & Politics  
Economics/AP Economics



## EDUCATION & TRAINING

Life Skills  
Art Experience  
Child Development 1-2  
Advanced Child Development Honors  
Concert Chorus/Choir 1  
Speech  
Dramatics  
Creative Writing/Nonfiction Writing  
Psychology  
Sociology  
World Language



## LAW, PUBLIC SAFETY & SECURITY

Life Skills  
Child Development  
Business Law  
Sociology  
Psychology  
Speech  
Debate  
Dramatics  
AP Language & Composition  
Constitutional Law  
AP Government & Politics  
International Business  
Forensic Science  
Economics/AP Economics  
AP European History  
World Language

## HUMAN SERVICES

Constitutional Law  
Sociology  
Psychology  
Debate  
Economics/AP Economics  
American Studies  
World Language  
Child Development 1-2  
Advanced Child Development  
Honors  
21st Century Business Apps  
Trig/Stat or AP Stats

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## RELATED CAREERS/FIELDS

Education, Corporate Training, Travel Agent, Hotel & Restaurant Management,  
Culinary Arts, Tour Guides, Lawyer, Law Enforcement, Political Fields,  
Social Work, Civil Service, FBI, Social Work, Human Resources,  
Psychologist, Community Organizer

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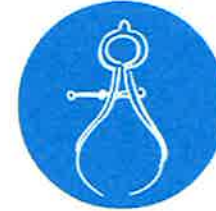
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# STEM

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## BIOMEDICAL & LIFE SCIENCES

AP Biology  
Advanced Bio/Chem  
AP Chemistry  
AP Physics 1, 2, or C  
Precalculus  
Calculus/AP Calculus  
Innovations & Inventions 1  
Biomedical Technology 1/1H  
Biomedical Technology 2/2H  
AP Environmental Science  
AP Statistics



## ENGINEERING

Innovations & Inventions 1  
Engineering Design Honors  
Open Ingenuity Lab  
Marketing 1  
Entrepreneurship  
AP Chemistry  
AP Physics 1  
AP Physics 2  
AP Physics C  
AP Statistics  
Precalculus  
Calculus/AP Calculus  
Digital Art & Design

## INFORMATION TECHNOLOGY & COMPUTER SCIENCE

21st Century Business Apps  
Introduction to Programming  
Robotics & Microcontrollers  
AP Computer Science A  
AP Computer Science Principles  
Marketing 1  
Digital Art & Design  
AP Physics 1, 2, or C



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## RELATED CAREERS/FIELDS

Product Designer, Technical Writer, Industrial Engineer, Project Manager, Engineer, Field Engineer, Digital Electronics Specialist, CAD Designer, Biochemist & Biophysicist, Biological Technician/Engineer, Medical Scientist, Microbiologist, Physicians & Surgeons, Pharmacist, Nursing, Physical/Occupational Therapy, Programming & Software Development Professional, Network Engineer, Interactive Media, Information Support Services, System Engineer, Software Engineer, Web Designer, Network Administrator, Data Systems Designer, Food Science, Education

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## SENIOR OPTIONS

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*Senior options are designed to give seniors the opportunity to explore valuable topics, careers and experiences outside of the normal Northern Valley Program of Study in real-world settings. Each option has its own requirements and students should speak to their guidance counselor about which option is best for their goals.*

- ❖ BCC Prep - Students have the opportunity to enroll in courses at Bergen Community College and earn up to 18 college credits. Day or evening classes are available.
- ❖ Community Service - Students will be able to receive high school credit by participating in a project that is designed to enhance and augment some aspect of the Northern Valley Community. Educational experiences will take place outside the school building during and/or after the regular school day or as determined by the representative of the community that is responsible for overseeing the project.
- ❖ Dual Enrollment - Students in grades 11 & 12 studying various courses have the opportunity to participate in dual enrollment programs sponsored by Seton Hall University and/or Bergen Community College.
- ❖ Honor Independent Study Capstone - provides students with a rigorous learning experience tailored to their individual needs and talents. Students in the honors independent study will present their project/results locally, or at regional or national conferences and/or competitions.
- ❖ Open Ingenuity Lab - The main goal of this course is to provide 11th and 12th grade students with an opportunity for a student driven, teacher guided, semi-structured project/problem-based learning experience.
- ❖ Professional Internship - This is a program of study which includes supervised practical training. Students develop workplace readiness skills, professionalism, and independence. Students will also have an opportunity through observation, interview and study to develop an understanding of specific occupations.
- ❖ Teaching Mentorship - This is a program of study which includes supervised practical training in an educational setting. Students develop workplace readiness skills, professionalism, and independence. Students will also have an opportunity through observation, interview and study to develop an understanding of the teaching profession.
- ❖ Work Study (CBE/CBI) - The school provides classroom training in developing business knowledge, workplace skills, and occupational information while the business community provides the employment where the students practice these skills and acquire experience that can only be gained on the job. Community Based Internship (CBI) course will develop skills to educate students and prepare them for the transition from school to the world of work. Students will develop skills and strategies that promote personal responsibility related to employment.

## CONTACT INFORMATION

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