
CAREER PATHWAYS



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.

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.

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

FINE, PRACTICAL & PERFORMING ARTS

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

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

HUMAN SERVICES

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

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

STEM

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



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

SENIOR OPTIONS

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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