

NORTHERN VALLEY REGIONAL HIGH SCHOOL

DEMAREST

SCHOOL PROFILE 2023 - 2024



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NVD CEEB Code: 310265
BCISTNV CEEB Code: 310092

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OUR MISSION STATEMENT

At Northern Valley Regional High School, we provide a safe environment in which each student seeks answers to questions, challenges assumptions and develops self-worth. Recognition of academic and cultural diversity promotes mutual respect and acceptance. Our high schools encourage individual academic excellence, aesthetic appreciation and moral integrity. We seek to prepare all students for their roles in a rapidly changing and diverse global community, and to become independent learners, critical thinkers, problem solvers, collaborative workers and responsible contributors to society.

Education requires a shared commitment. In providing a framework for the immediate and future concerns of our students, we require a constant and critical reevaluation of curriculum and course design to keep abreast of global research and new techniques within our respective discipline. The joint commitment of students, professional staff, Board of Education and the community, which supports and compliments our mission, forms the basis for a challenging and effective program.

SCHOOL INFORMATION

We are one of two comprehensive public high schools in the regionalized district that serve seven K-8 sending districts. We have approximately **1141 students in Grades 9-12 (274 12th Graders)**.

We encourage student participation in a variety of sports, academic teams, performing arts and co-curricular activities. These include 28 freshman through varsity level sports, drama and musical productions, academic teams - as well as over 70 co-curricular activities.

Accredited by the Commission of Secondary Schools and the New Jersey Department of Education.

COMMUNITY

Our suburban community, located 20 miles from downtown Manhattan, supports a varied, in-depth college preparatory and career-oriented curricula, as well as participation in co-curriculars and sports.

AWARDS AND RECOGNITIONS

Apple - Apple Distinguished School

College Board - AP District Honor Roll

Future Ready Schools-New Jersey - Silver District Distinction

National Association of Music Merchants - Best Communities for Music Education

Newsweek - recognized in America's Best High Schools edition

New Jersey Department of Education - Building Capacity for Career Pathways Grant Recipient

Princeton University - Distinguished Secondary School Teaching Award

The Star Ledger - ranked among the most effective public schools in New Jersey

US Department of Education National Blue Ribbon Schools Program - Technology School of Excellence

US News & World Report - Silver Medalist, survey of America's Best High Schools

HIGHLIGHTS

1:1 Laptop Teaching and Learning Initiative

Academic Competitions - Science and Math League Teams, Debate, Mock Trial, Academic Team, TSA

Advanced Courses: **30+ Advanced Placement, 50+ Honors and 60+ Dual Enrollment Courses**

AP Capstone Diploma and AP Seminar & Research Certificate

Career & Technology Student Organizations - Business Organizations - DECA, FBLA, TSA

Career Day & Wellness Day

Character Education - Core Values Program - Community Service Clubs and Projects

Multicultural Club and Cultural Exchanges with Japan, Scotland and Korea

NJDOE-approved programs of study (CTE) - Architecture, Biomedical Technology, Computer Science,

Engineering, Marketing, Theatre

Northern Valley Career Pathways Programs

Peer Mentor Program and Student Leadership Programs

Senior Honors Independent Study Capstone and STEM Capstone Program

Senior Work Based Learning (WBL) - Service Learning, Teaching Mentorships, Professional Internships

Visual & Performing Arts - Over 30 Music, Choral, Drama & Dance Performances and Visual Arts Show

Wellness Initiatives: Wellness Center, Wellness Committee, Wellness Counselors and Student Groups

Work Study Program - Cooperative Business Education

NEW JERSEY DEPARTMENT OF EDUCATION GRADUATION REQUIREMENTS			
ENGLISH	4 CREDITS (AP ENGLISH LANGUAGE DOES NOT SATISFY REQUIREMENT)	WORLD LANGUAGES	1 CREDIT
MATHEMATICS	3 CREDITS (SEQUENTIAL, ALGEBRA 1 AT MINIMUM)	21ST CENTURY LIFE & CAREERS	1 CREDIT
SCIENCE	3 CREDITS (INQUIRY BASED, INCLUDING BIOLOGY)	VISUAL & PERFORMING ARTS	1 CREDIT
US HISTORY	2 CREDITS	FINANCIAL LITERACY	0.5 CREDIT
WORLD HISTORY	1 CREDIT	PHYSICAL EDUCATION & HEALTH	1 CREDIT EACH YEAR ENROLLED IN NJ PUBLIC
MINIMUM 24 CREDITS REQUIRED. STUDENTS MUST ALSO DEMONSTRATE NJDOE-DETERMINED PROFICIENCY IN BOTH ENGLISH LANGUAGE ARTS AND MATHEMATICS.			

Courses address a range of academic goals, learning needs, career interests and college plans - and prepare students for post-secondary success. Students are encouraged to challenge themselves with appropriate rigor while maintaining balance.

Students may challenge themselves with additional rigor in teacher recommended, grade-qualified 'earn in', or open-enrollment **honors** courses.

HONORS COURSES	
ENGLISH	ENGLISH 1 H^{1*} (ENGLISH 2H & 3H REPLACED BY AP) ENG. 4 - WORLD MYTHOLOGY & ARCHETYPAL LITERATURE H^{1*} , ENG. 4 - LITERATURE & PHILOSOPHY OF ASIA H^{1*} JOURNALISM 1H; ADVANCED JOURNALISM (2H, 3H); SPEECH & DEBATE H; CREATIVE/NON-FICTION WRITING H, (ELECTIVES)
MATHEMATICS	GEOMETRY H^{1*} , ALGEBRA 2 H^{1*} (PRECALCULUS H REPLACED BY AP); MULTIVARIABLE CALCULUS H* (SUPER-ACCELERATED ELECTIVE)
SCIENCE	BIOLOGY H^{1*} , CHEMISTRY H^{1*} (PHYSICS 1 REPLACED BY AP) CELLULAR GENETICS HONORS; FORENSIC SCIENCE (ELECTIVE)
SOCIAL STUDIES	US HISTORY 1 H^{1*} (PT. 1 OF AP US); CONSTITUTIONAL LAW (SOCIAL STUDIES COURSES)
WORLD LANGUAGE	CHINESE (2H, 3H, 4H, 5H)*; FRENCH (2H, 3H, 4H)*; ITALIAN (2H, 3H, 4H)*; JAPANESE (2H, 3H, 4H)*; KOREAN (2H, 3H, 4H, 5H)* SPANISH (2H, 3H, 4H)* (LEVEL 1 SPANISH OR FRENCH STARTERS <u>CANNOT</u> TAKE AP, AS AP ARE AT LEVEL 5)
BUSINESS	ACCOUNTING H; ENTREPRENEURSHIP & MANAGEMENT H; INTERNATIONAL BUSINESS H; MARKETING (1H, 2H, 3H) (ELECTIVES)
FAMILY & CONSUMER SCIENCE	CHILD DEVELOPMENT 2H; ADVANCED CHILD DEVELOPMENT H (ELECTIVE); ADVANCED CULINARY ARTS H
MUSIC	CHOIR (1H, 2H, 3H); STRING ORCHESTRA (1H, 2H AND 3H); WIND SYMPHONY (1H, 2H, 3H) (ELECTIVES)
TECHNOLOGY & ENGINEERING	ARCHITECTURE (1H, 2H); ENGINEERING (1H & 2H); BIOMEDICAL TECHNOLOGY (1H, 2H); COMPUTER PROGRAMMING H; STEM CAPSTONE H (ELECTIVES)
THEATRE ARTS	THEATRE ARTS (1H, 2H, 3H) (ELECTIVES)
VISUAL ARTS	DRAWING PAINTING & MIXED MEDIA (1H, 2H); DIGITAL ART & DESIGN 1H; ADVANCED DIGITAL ART & ANIMATION H; VIDEO GAME, ANIME & COMIC BOOK ART H; 3-D DESIGN (SCULPTURE) H; PRINTMAKING & PHOTOGRAPHY H; DIGITAL PHOTOGRAPHY H; STUDIO ART (1H, 2H) (ELECTIVES)
¹ Course fulfills academic graduation requirement *Teacher recommendation, grade qualification or grade-qualified waiver required.	

Advanced Placement courses are our most rigorous offerings. Some AP courses require teacher recommendation or grade-qualified 'earn in', while others are open enrollment. All students have access to and are encouraged to take at least one AP course prior to graduation.

AP courses are available only to 11th and 12th graders except Seminar (English 2) and US History.

Students must be approved to take more than 4 AP courses in 11th grade and 5 AP courses in 12th grade.

ADVANCED PLACEMENT COURSES	
ENGLISH	SEMINAR (ENGLISH 2)^{1*} , ENGLISH LANGUAGE & COMPOSITION (ENGLISH 3)^{1*} , ENGLISH LITERATURE & COMPOSITION (ENGLISH 4)^{1*} RESEARCH
MATHEMATICS	CALCULUS AB*, CALCULUS BC*, PRECALCULUS (23-24) COMPUTER SCIENCE A, STATISTICS
SCIENCE	BIOLOGY*, CHEMISTRY*, ENVIRONMENTAL SCIENCE, PHYSICS 1^{1*} , PHYSICS 2* , PHYSICS C: MECHANICS* , PHYSICS C: ELECTRICITY & MAGNETISM*
SOCIAL STUDIES	US HISTORY^{1*} , WORLD HISTORY: MODERN^{1*} EUROPEAN HISTORY, HUMAN GEOGRAPHY, MACROECONOMICS AND MICROECONOMICS, PSYCHOLOGY, US GOVERNMENT & POLITICS;
WORLD LANGUAGE	CHINESE LANGUAGE*, FRENCH LANGUAGE*, ITALIAN LANGUAGE*, JAPANESE LANGUAGE*, SPANISH LANGUAGE* (STUDENTS STARTING WITH LEVEL 1 SPANISH OR FRENCH <u>CANNOT</u> TAKE AP SPANISH OR AP FRENCH, AS THOSE AP COURSES ARE ON LEVEL 5)
MUSIC	MUSIC THEORY
TECHNOLOGY & ENGINEERING	COMPUTER SCIENCE PRINCIPLES
VISUAL ARTS	ART HISTORY; STUDIO ART - DRAWING, STUDIO ART - 2-D DESIGN, STUDIO ART - 3-D DESIGN
¹ Course fulfills academic graduation requirement *Teacher recommendation or grade-qualified 'earn-in' required. AP exam required.	

DUAL ENROLLMENT COURSES OFFERED

Students may earn optional college credit by enrolling through college or university for certain high school courses. Students are also encouraged to take one college-approved course prior to graduation. **Transcript notation: 'approved for college credit through dual enrollment'**.

ACCOUNTING HONORS	AP EUROPEAN HISTORY	CALCULUS (INCL. AP)	ITALIAN 3, 3H, 4, 4H, AP
ADVANCED BAKING & PASTRY ARTS 2	AP PHYSICS C	CHILD DEVELOPMENT 1, 2	JAPANESE 3, 3H, 4, 4H, AP
ADVANCED DIGITAL ART & ANIMATION	AP STATISTICS	CHINESE 3, 3H, 4, 4H, AP	LATIN 3H, 4H
ARCHITECTURE 2	AP STUDIO ART	CONCERT CHOIR 2, 2H, 3, OR 3H	MARKETING 2: ADV. & PROD. DEV.
AP ART HISTORY	AP US GOVERNMENT & POLITICS	COMPUTER PROGRAMMING, (H)	MUSIC THEORY & TECHNOLOGY
AP CHEMISTRY	AP US HISTORY	CULINARY ARTS 1	SPANISH 3, 3H, 4, 4H, 5, AP
AP COMPUTER SCIENCE A	AP WORLD HISTORY	DRAWING, PAINTING, MIXED MEDIA 2H	STRING ORCHESTRA 2, 2H, 3, 3H
AP ENGLISH LANG & COMPOSITION	BIOMEDICAL TECHNOLOGY 2, 2H	ENGLISH 4	THEATRE ARTS 2, 2H, 3, 3H
AP ENGLISH LIT. & COMPOSITION	BUSINESS AND PERSONAL FINANCE	ENGINEERING 2 H	WIND SYMPHONY 2, 2H, 3, 3H
		FRENCH 3, 3H, 4, 4H, AP	
		GUITAR 1	

GRADE SCALE, COURSE WEIGHTING, GPA CALCULATION, GPA DISTRIBUTION AND CLASS RANK

GRADE SCALE AND GPA:

100-point scale course grades correlate to letter grades. Final letter grades convert to a 4.0 GPA scale (revised 2018-19).

Beginning 2018-19, Enriched (E), Honors (H) and Advanced Placement (AP) courses receive revised GPA weight according to table below.

GPA is calculated using final grades in all completed courses. Remedial courses are included in GPA. New credit courses taken through summer school, virtual school or third party providers are not included. All transfer grades are included where possible; otherwise, they are awarded P (Pass) or F (Fail) and do not calculate into the GPA.

GPA is calculated at the end of 4th, 6th, 7th and 8th semesters. Each course's GPA value is multiplied by the credits earned (including half potential credits for 7th semester) to determine quality points. GPA value equals the total quality points earned divided by total credits attempted (including half potential credits 7th semester).

GRADE SCALE - REVISED 2018-19					
UNWEIGHTED			WEIGHTED		
PERCENT RANGE	LETTER GRADE	STANDARD GPA	E GPA (+.25)	H GPA (+1.00)	AP GPA (+1.25)
98 - 100	A+	4.33	4.58	5.33	5.58
92 - 97	A	4.00	4.25	5.00	5.25
90 - 91	A-	3.67	3.92	4.67	4.92
88 - 89	B+	3.33	3.58	4.33	4.58
82 - 87	B	3.00	3.25	4.00	4.25
80 - 81	B-	2.67	2.92	3.67	3.92
78 - 79	C+	2.33	2.58	3.33	3.58
72 - 77	C	2.00	2.25	3.00	3.25
70 - 71	C-	1.67	1.92	2.67	2.92
68 - 69	D+	1.33	1.58	2.33	2.58
62 - 67	D	1.00	1.25	2.00	2.25
60 - 61	D-	0.67	0.92	1.67	1.92
59 - 0	F	0.00	0.00	0.00	0.00

GPA DISTRIBUTION	
CLASS SIZE: 274	WEIGHTED
HIGHEST	5.0182
MEDIAN	3.9802
LOWEST	1.6344
4.5 OR ABOVE	41
4.25 - 4.49	46
4.00 - 4.24	47
3.75 - 3.99	40
3.50 - 3.74	28
3.25 - 3.49	28
3.00 - 3.24	13
2.75 - 2.99	11
2.25 - 2.74	10
2.24 OR BELOW	10

GPA STATISTICS & DISTRIBUTION: Weighted GPA distribution details for the senior class are displayed on the table (left).

CLASS RANK: Within our very challenging academic environment, most students earn exemplary grades. Comparisons among students inherent in class rank unnecessarily increase competition, stress and anxiety. **Northern Valley does not publish class rank, percentile or decile.** Institutions *requiring* such information for admission or scholarship consideration should communicate directly with our office.

SCHOOL ENROLLMENT AND COURSE ENROLLMENT:

Courses are noted on the transcript if a student is enrolled past Quarter 1. Changes to a student's course enrollment status after initial transcripts have been sent will be communicated to institutions.

DISCIPLINE DISCLOSURE:

NVRHS does not disclose student discipline in application reports.

SCHOOL AND CLASS STATISTICS

POST-SECONDARY				
CLASS YEAR	2023	2022	2021	
% FOUR-YEAR COLLEGE MATRICULATION	91	90	91	
% TWO-YEAR COLLEGE MATRICULATION	4	4	6	
% MILITARY / VOCATIONAL / GAP YR. / OTHER	5	6	3	
CLASS SIZE	228	240	234	

NATIONAL MERIT			
CLASS	COMMENDED	SEMI-FINALISTS	FINALISTS
2024	27	0	(SPRING)
2023	20	5	5
2022	22	6	6
NEW JERSEY SEMI-FINALIST QUALIFYING INDEX (222) IS HIGHEST IN NATIONAL MERIT PROGRAM			

AP SCHOLARS				
TESTING YEAR:	2023	2022	2021	
AP SCHOLARS	77	68	52	
AP SCHOLARS WITH HONOR	33	24	39	
AP SCHOLARS WITH DISTINCTION	88	81	65	
TOTAL AP SCHOLARS (AVG. SCORE)	198 (3.76)	173 (3.67)	156 (3.81)	

SAT SCORES (MEAN)					
	CLASS OF 2023 ¹	CLASS OF 2023 ²	CLASS OF 2022 ²	NJ	US
READING	32	32	32	-	-
MATH	33	33	33	-	-
WRITING	33	33	33	-	-
READING & WRITING	646	643	641	-	-
MATHEMATICS	662	661	654	-	-
TOTAL	1308	1304	1294	-	-
CLASS SIZE	274	226	240	-	-
STUDENTS REPORTING	156	123	149	-	-

¹ SUPER-SCORED, THROUGH JUNIOR YEAR ² SUPER-SCORED THROUGH SENIOR YEAR

BERGEN COUNTY INSTITUTE FOR SCIENCE & TECHNOLOGY:

NVRHS became the host site for the Bergen County Institute of Science & Technology at Northern Valley in September of 2020. The BCISTNV is part of the Bergen County Technical School District and offers two unique programs open to any qualified Bergen County student: The Institute for Interactive Design and The Institute for Sports Medicine and Exercise Science. Northern Valley's coursework, athletics and activities are open to all BCISTNV students. The CEEB code for BCISTV is **310092**.

ACT SCORES (MEAN)					
GRADUATION YEAR	2024	2023	2022	NJ	US
ENGLISH	27.6	27.8	27.6	-	-
MATH	27.1	27.0	26.0	-	-
READING	27.8	28.2	28.4	-	-
SCIENCE	27.1	27.0	26.7	-	-
COMPOSITE	26.9	27.1	26.9	-	-
STUDENTS REPORTING	54	90	102	-	-

* INTERNAL DATA - VERIFIED BY ACT IN SUBSEQUENT YEAR

ADVANCED PLACEMENT – ALL STUDENTS			
TESTING YEAR	2023	2022	2021
STUDENTS TESTED	478	479	441
SCORED EXAMS (AVG. SCORE)	1103 (3.4)	1066 (3.3)	897 (3.2)
SUBJECTS TESTED	33	33	31
STUDENTS / EXAMS WITH SCORES 3+	376/876	358/755	321/635
% AP STUDENTS WITH SCORES 3+	79%	74%	73%
% EXAMS 3+	76%	71%	71%
STUDENTS / EXAMS SCORED 5	152/249	141 / 233	110 / 174
STUDENTS / EXAMS SCORED 4	214/316	188 / 268	180 / 247
STUDENTS / EXAMS SCORED 3	225/302	200 / 251	175 / 215

PSAT SCORES (MEAN) - CLASS OF 2024					
READING & WRITING	MATH	MATHEMATICS	READING	WRITING	TOTAL
574	28	561	29	29	1135

246 STUDENTS TESTED - ADMINISTERED OCTOBER 2022

ATTENDING COLLEGES AND INSTITUTIONS: CLASSES 2021 – 2023

We proudly celebrate the post-secondary placements of **ALL** Northern Valley graduates into a range 2-year, 4-year and vocational institutions – across a range of selectivity levels – in many states and countries.

Alfred University	Florida State University	Rensselaer Polytechnic Institute	University at Buffalo
American University	Fordham University	Rhode Island School of Design	University of Arizona
Amherst College	Franklin and Marshall College	Rider University	University of California-Davis
Arizona State University	Georgetown University	Rochester Institute of Technology	University of California-San Diego
Austin Community College District	Georgia Institute of Technology	Rowan University	University of Central Florida
Babson College	Gettysburg College	Rutgers University-Camden	University of Chicago
Barnard College	Hamilton College	Rutgers University-New Brunswick	University of Colorado
Bentley University	Hilbert College	Rutgers University-Newark	University of Connecticut
Bergen Community College	Hofstra University	Sacred Heart University	University of Delaware
Binghamton University	Indiana University	Saint Elizabeth University	University of Florida
Boston College	Ithaca College	Saint Joseph's University	University of Hartford
Boston University	James Madison University	Saint Leo University	University of Illinois
Bowie State University	Johns Hopkins University	Salve Regina University	University of Mary Washington
Brandeis University	Johnson & Wales University-Providence	San Diego State University	University of Maryland
Brookdale Community College	Lafayette College	School of Visual Arts	University of Massachusetts
Brown University	Lehigh University	Seton Hall University	University of Miami
Bryant University	Liberty University	Seton Hill University	University of Michigan
Bucknell University	LIM College	Skidmore College	University of Minnesota
California State University-Long Beach	Lincoln Technical Institute	Southern Adventist University	University of Mississippi
Carnegie Mellon University	Loyola University Chicago	St. Thomas Aquinas College	University of New Hampshire
Case Western Reserve University	Loyola University Maryland	State University of New York at New Paltz	University of North Florida
Chapman University	Macalester College	Stevens Institute of Technology	University of Northwestern Ohio
College of Charleston	Manhattan College	Stony Brook University	University of Notre Dame
College of the Holy Cross	Marist College	SUNY at Purchase College	University of Pennsylvania
Colorado College	McGill University	SUNY Cortland	University of Pittsburgh
Columbia University in the City of New York	Miami Dade College	Summit House	University of Rhode Island
Concordia University-Irvine	Michigan State University	Summit House/B.O.C.E.S.	University of Rochester
Connecticut College	Military Service - Israel	Syracuse University	University of South Carolina
Cooper Union for the Advancement of Science and Art	Middlesex College	Temple University	University of Southern California
Cornell University	Monmouth University	The College of New Jersey	University of St Andrews
CUNY John Jay College of Criminal Justice	Montclair State University	The George Washington University	University of Toronto
Daemen University	Moravian University	The New School	University of Vermont
Dartmouth College	Muhlenberg College	The University of Alabama	University of Virginia
Dean College	New Jersey Institute of Technology	The University of North Carolina at Chapel Hill	University of Wisconsin
DePaul University	New York University	The University of Tampa	Vanderbilt University
Dickinson College	Northeastern University	The University of Tennessee	Vassar College
Dominican University	Northwestern University	The University of Texas	Villanova University
Drew University	Nova Southeastern University	The University of Western Ontario	Virginia Tech
Drexel University	Ohio State University-Main Campus	Towson University	Wake Forest University
Elon University	Pace University, New York City Campus	Tufts University	Washington University in St Louis
Emory University	Patrick Henry College	Tulane University of Louisiana	Wells College
Fairfield University	Pennsylvania State University	U.S. Marine Corps	West Chester University of Pennsylvania
Fairleigh Dickinson University	Pennsylvania State University-Scranton	Union College (NY)	West Virginia University
Fashion Institute of Technology	Plymouth State University	United States Military Academy	Wheaton College - MA
Florida Gulf Coast University	Pratt Institute-Main	University at Albany, SUNY	Whittier College
Florida Institute of Technology	Princeton University		William Paterson University
	Purdue University		Worcester Polytechnic Institute
	Quinnipiac University		Worcester State University
	Ramapo College		
	Reichman University (IDC Herzliya)		