

NORTHERN VALLEY REGIONAL HIGH SCHOOL

DEMAREST

SCHOOL PROFILE 2019 - 2020



150 Knickerbocker Road
Demarest NJ 07627
Phone: 201-768-3200
Guidance Fax: 201-750-1493
www.nvnet.org
CEEB Code 310265

Superintendent
Mr. James Santana

Principal
Dr. Timothy Gouraige

Assistant Principals
Mrs. Luisella Marolda
Ms. Nicolette Perna

District Director of Guidance
Mr. Matthew Spatz

Lead Counselor
Mr. Michael O'Malley
x13100
o'malley@nvnet.org

School Counselors
Mrs. Jennifer Ferraro
x13090
ferraroj@nvnet.org

Mrs. Rebecca Glennon
x13080
glennonr@nvnet.org

Mrs. Colleen Spafford
x13280
spafford@nvnet.org

Ms. Tracey Salerno
x13115
salerno@nvnet.org

Mr. Howard Tiell
x13540
tiell@nvnet.org

Student Assistance Coordinator
Ms. Deborah Bajakian
x13260
bajakian@nvnet.org

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 complements 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 **951 students in Grades 9-12 (259 12th Graders)**.

We encourage student participation in a variety of sports, academic teams, performing arts and co-curricular activities. These include 27 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. Recently, the community approved an 11.7 million dollar referendum to improve facilities, including state of the art STEM labs and a theater program.

AWARDS AND RECOGNITIONS

College Board - AP District Honor Roll
Future Ready Schools-New Jersey - Certified School
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
Advanced Courses: **32 Advanced Placement Courses, 51 Honors Courses and 54 Dual Enrollment Courses**
Business Organizations - DECA & FBLA
Career Day & Wellness Day
Career & Technical Education (CTE) - Biomedical Technology, Computer Science, Engineering
Career Pathways Program of Studies
Character Education - Core Values Program - Community Service Clubs and Projects
Heroes and Cool Kids - Peer Life Skills Training
Multicultural Club and Cultural Exchanges with Japan, Scotland and Korea
Peer Mentor Program and Student Leadership Programs
Senior Honors Independent Study Capstone
Senior S.L.E. - Community Service & Service Learning, Teaching Mentorships, Professional Internships
Students Against Destructive Decision-Making (SADD) / Stigma Free
Visual & Performing Arts - Over 30 Music, Choral, Drama & Dance Performances and Visual Arts Show
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)	21 ST 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.			

Students are offered a comprehensive range of courses designed to address academic goals, learning needs, career interests and college plans. All courses prepare students for post-secondary success. Students are encouraged to challenge themselves with appropriate rigor while maintaining balance. **College Prep ‘Enriched’ courses were noted as ‘E’ on the transcript beginning 2017-18. Students having taken courses on the ‘Enriched’ level prior to 2017-18 may self report such course levels as ‘Enriched’.**

In addition to College Prep and College Prep Enriched level courses, students may challenge themselves with additional rigor in honors courses through teacher recommendation, grade-qualified ‘earn in’, grade-qualified waiver (through 19-20), or open-enrollment courses.

54 HONORS COURSES OFFERED	
ENGLISH	ENGLISH 1 HONORS*, [BEGINNING 2019-20, ENGLISH 2H IS REPLACED BY AP SEMINAR (ENGLISH 2)] ENGLISH 3 HONORS* (MOST RIGOROUS GRADE 11 OFFERING - AP ENGLISH LANG. & COMP. IS NOT AN ENGLISH 3 COURSE). ENG. 4 - WORLD MYTHOLOGY & ARCHETYPAL LITERATURE HONORS*; ENG. 4 - LITERATURE & PHILOSOPHY OF ASIA HONORS* ADVANCED JOURNALISM 2 HONORS*, ADVANCED JOURNALISM 3 HONORS* (ELECTIVES)
MATHEMATICS	GEOMETRY HONORS*, ALGEBRA 2 HONORS*, PRECALCULUS HONORS*; MULTIVARIABLE CALCULUS HONORS* (SUPER-ACCELERATED ELECTIVE)
SCIENCE	BIOLOGY HONORS*, CHEMISTRY HONORS*, (AP PHYSICS 1 IS MOST RIGOROUS GRADE 11 SCIENCE COURSE)
SOCIAL STUDIES	US HISTORY 1 HONORS*, (AP US HISTORY AND AP WORLD HISTORY ARE MOST RIGOROUS GRADE 10 AND 11 SOCIAL STUDIES COURSES)
WORLD LANGUAGE	CHINESE (2H, 3H, 4H)*; FRENCH (2H, 3H, 4H)*; ITALIAN (2H, 3H, 4H)*; JAPANESE (2H, 3H, 4H)*; KOREAN (2H, 3H, 4H)*; LATIN (2H, 3H, 4H)* SPANISH (2H, 3H, 4H)*; (STUDENTS BEGINNING IN LEVEL 1 SPANISH OR FRENCH CANNOT TAKE AP SPANISH, AS AP COURSE IS AT LEVEL 5)
BUSINESS	ACCOUNTING HONORS, INTERNATIONAL BUSINESS HONORS, MARKETING 3: APPLIED MARKETING PRINCIPLES HONORS (ELECTIVES)
FAMILY & CONSUMER SCIENCE	ADVANCED CHILD DEVELOPMENT HONORS (ELECTIVE)
MUSIC	CHOIR 2 HONORS, 3 HONORS; STRING ORCHESTRA 2 HONORS, 3 HONORS; WIND SYMPHONY 2 HONORS, 3 HONORS (ELECTIVES)
TECHNOLOGY & ENGINEERING	ENGINEERING DESIGN H, BIOMEDICAL TECHNOLOGY 1H, BIOMEDICAL TECHNOLOGY 2H; COMPUTER PROGRAMMING H (ELECTIVES)
THEATRE ARTS	THEATRE ARTS 2 HONORS, 3 HONORS (ELECTIVES)
VISUAL ARTS	DRAWING PAINTING & MIXED MEDIA 2 HONORS; STUDIO ART HONORS; STUDIO ART 2 HONORS (ELECTIVES)
*Teacher recommendation, grade qualification or grade-qualified waiver required.	

Advanced Placement courses are our most rigorous offerings. Some require teacher recommendation, grade-qualified ‘earn in’ or waiver, while others are open enrollment. We encourage students to take at least one AP course prior to graduation if appropriate. Most AP courses are available to 11th and 12th graders only. Students must be approved to take more than 4 AP courses in 11th grade and 5 AP courses in 12th grade.

32 ADVANCED PLACEMENT COURSES OFFERED	
(67% OF 11 TH AND 12 TH GRADERS TOOK AT LEAST ONE AP COURSE IN 2018-19)	
ENGLISH	SEMINAR (ENGLISH 2) ^{2*} (2019-20), ENGLISH LITERATURE & COMPOSITION (ENGLISH 4) ^{2*} ; ENGLISH LANGUAGE & COMPOSITION ¹
MATHEMATICS	CALCULUS AB*, CALCULUS BC*, COMPUTER SCIENCE A, STATISTICS
SCIENCE	BIOLOGY*, CHEMISTRY*, ENVIRONMENTAL SCIENCE, PHYSICS 1 ^{2*} , PHYSICS 2*, PHYSICS C: MECHANICS*, PHYSICS C: ELECTRICITY & MAGNETISM*
SOCIAL STUDIES	EUROPEAN HISTORY, MACROECONOMICS, MICROECONOMICS, PSYCHOLOGY, US GOVERNMENT & POLITICS; US HISTORY ^{2*} , WORLD HISTORY: MODERN ^{2*}
WORLD LANGUAGE	CHINESE LANGUAGE*, FRENCH LANGUAGE*, ITALIAN LANGUAGE*, JAPANESE LANGUAGE*, SPANISH LANGUAGE* (STUDENTS STARTING WITH LEVEL 1 SPANISH OR FRENCH CANNOT 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 Elective only. Does Not satisfy English 3 course requirement. *Teacher recommendation, grade-qualified ‘earn-in’ or waiver required.	
² Course fulfills academic graduation requirement. *AP Exam required. Prior to 2015-16, exam was required for all AP courses.	

54 DUAL ENROLLMENT COURSES OFFERED

11th and 12th grade 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 ITALIAN	BUSINESS ORG. & MANAGEMENT	FRENCH 3, 3H, 4, 4H
ADVANCED BAKING & PASTRY ARTS 2	AP JAPANESE	CALCULUS (ALL, INCL. AP AB OR AP BC)	GUITAR 1
ADVANCED DIGITAL ART & ANIMATION	AP PHYSICS C	CHILD DEVELOPMENT 1, 2	ITALIAN 3, 3H, 4, 4H
AP ART HISTORY	AP SPANISH	CHINESE 3, 3H, 4, 4H	JAPANESE 3, 3H, 4, 4H
AP CHEMISTRY	AP STATISTICS	CONCERT CHOIR 2, 2H, 3, OR 3H	LATIN 3, 3H, 4, 4H
AP CHINESE	AP STUDIO ART	COMPUTER PROGRAMMING (H)	MARKETING 2: ADV. & PROD. DEV.
AP COMPUTER SCIENCE A	AP US GOVERNMENT & POLITICS	CULINARY ARTS 1	MUSIC THEORY & TECHNOLOGY
AP ENGLISH LANGUAGE & COMPOSITION	AP US HISTORY	DRAWING, PAINTING, MIXED MEDIA 2H	SPANISH 3, 3H, 4, 4H
AP ENGLISH LITERATURE & COMPOSITION	AP WORLD HISTORY	ENGLISH 4	SPANISH 5
AP EUROPEAN HISTORY	BIOMEDICAL TECHNOLOGY 2, 2H	ENGINEERING DESIGN HONORS	STRING ORCHESTRA 2, 2H, 3, 3H
AP FRENCH			WIND SYMPHONY 2, 2H, 3, 3H

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).

Prior to 2018-19, Honors and AP courses received +1.0 in the weighted GPA.

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

Impact of new grade scale and weighting for Class of 2020 began in 11th grade.

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: 259	WEIGHTED
HIGHEST	4.905
MEDIAN	3.740
LOWEST	2.012
4.5 OR ABOVE	20
4.25 - 4.49	28
4.00 - 4.24	35
3.75 - 3.99	44
3.50 - 3.74	40
3.25 - 3.49	43
3.00 - 3.24	29
2.75 - 2.99	10
2.25 - 2.74	9
2.24 OR BELOW	2

GPA STATISTICS & DISTRIBUTION: Weighted GPA distribution details for the class of **2020** 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	2019	2018	2017	
% FOUR-YEAR COLLEGE MATRICULATION	92	91	90	
% TWO-YEAR COLLEGE MATRICULATION	3	5.5	4.6	
% MILITARY / VOCATIONAL / GAP YR. / OTHER	5	3.5	5.1	
CLASS SIZE	260	255	238	

NATIONAL MERIT			
CLASS	COMMENDED	SEMI-FINALISTS	FINALISTS
2020	19	5	SPRING, 2020
2019	19	6	6
2018	9	4	4

NEW JERSEY SEMI-FINALIST QUALIFYING INDEX (222) IS HIGHEST IN NATIONAL MERIT PROGRAM

AP SCHOLARS				
TESTING YEAR	2019	2018	2017	
AP SCHOLARS	53	43	36	
AP SCHOLARS WITH HONOR	46	24	25	
AP SCHOLARS WITH DISTINCTION	45	25	24	
AP NATIONAL SCHOLARS	10	4	1	
TOTAL AP SCHOLARS (AVG. SCORE)	144 (4.11)	92 (3.97)	85 (4.09)	

SAT SCORES (MEAN)					
	CLASS OF 2020 ¹	CLASS OF 2019 ²	CLASS OF 2018 ²	NJ	US
READING	32	32	31	-	-
MATH	34	33	33	-	-
WRITING	33	32	33	-	-
READING & WRITING	649	637	640	565	549
MATHEMATICS	671	659	660	567	546
TOTAL	1321	1297	1310	1132	1096
CLASS SIZE	259	258	255	-	-
STUDENTS REPORTING	165	150	139	-	-

¹ SCORES THROUGH SPRING, JUNIOR YEAR ² SCORES THROUGH FALL, SENIOR YEAR

SAT SUBJECT SCORES - CLASS OF 2020					
SUBJECT	MIDDLE 50%	MEAN	STUDENTS	NJ	US
BIOLOGY - ECOLOGY	610 - 720	666	41	-	618
BIOLOGY - MOLECULAR	580 - 720	657	30	-	650
CHEMISTRY	620 - 770	700	40	-	666
MATH LEVEL II	710 - 800	746	63	-	693
U.S. HISTORY	600 - 690	650	37	-	640
PHYSICS	630 - 700	683	15	-	667
WORLD HISTORY	610 - 710	676	11	-	622

ACT SCORES (MEAN)					
GRADUATION YEAR	2020*	2019	2018	NJ	US
ENGLISH	29.1	29.6	28.1	23.8	20.2
MATH	27.9	28.1	26.5	23.6	20.5
READING	28.9	29.6	27.1	24.0	21.3
SCIENCE	27.9	28.0	25.8	23.0	20.7
COMPOSITE	28.2	28.3	27.0	23.7	20.8
STUDENTS REPORTING	135	181	188	-	-

* INTERNAL DATA - VERIFIED BY ACT IN SUBSEQUENT YEAR

ADVANCED PLACEMENT			
TESTING YEAR	2019	2018	2017
STUDENTS TESTED	413	412	313
SCORED EXAMS	788	664	568
SUBJECTS TESTED	30	30	27
AP STUDENTS WITH SCORES 3+	326	304	226
% AP STUDENTS WITH SCORES 3+	79%	74%	72%
% EXAMS 3+ (% IN REQUIRED EXAMS)	78% (86%)	76% (83%)	76% (89%)
EXAMS SCORED 5	211	138	120
EXAMS SCORED 4	220	183	156
EXAMS SCORED 3	182	182	155

PSAT SCORES (MEAN) - CLASS OF 2020					
READING & WRITING	MATH	MATHEMATICS	READING	WRITING	TOTAL
597	30	599	30	30	1196

195 STUDENTS TESTED - ADMINISTERED OCTOBER, 2018

ATTENDING COLLEGES AND INSTITUTIONS: CLASSES 2017 – 2019

We proudly celebrate the post-secondary placements of **ALL** Northern Valley graduates into 184 different 2-year, 4-year and vocational institutions – across a range of selectivity levels – in over 30 states and countries.

The University of Alabama	Florida Atlantic University	Nassau Community College	St. Thomas Aquinas College
Albright College	Florida State University	New England Conservatory of Music	State University of New York at New Paltz
American University	University of Florida	University of New Haven	Stevens Institute of Technology
Arizona State University	Fordham University	New Jersey Institute of Technology	Stockton University
The University of Arizona	Full Sail University	The College of New Jersey	Stony Brook University
Barnard College	The George Washington University	New York University	SUNY Albany
Barrett, The Honors College	Georgetown University	University of North Florida	SUNY College at Geneseo
Bates College	Hamilton College - NY	Northeastern University	SUNY Maritime College
Bentley University	Harvard College	Northwestern University	Syracuse University
Bergen Community College	Haverford College	University of Notre Dame	Tel Aviv University
Berklee College of Music	High Point University	University of Oregon	Temple University
Binghamton University	Hofstra University	Pace University, New York City	Texas Southern University
Bloomsburg University of Pennsylvania	IDC Herzliya- Raphael Recanati International School	Pace University, Westchester Campus	The University of Texas, Austin
Boston College	University of Illinois at Urbana-Champaign	Pennsylvania State University	The Capri Institute
Boston University	Indiana University at Bloomington	Pennsylvania State University - Abington	The Culinary Institute of America
Brandeis University	Ithaca College	Pennsylvania State University - Harrisburg	The New School - All Divisions
Brown University	John Jay College of Criminal Justice of the CUNY	University of Pennsylvania	The Ohio State University
Bucknell University	Johns Hopkins University	University of Pittsburgh	Towson University
Caldwell University	Johnson & Wales University	Plymouth State University	Trinity College
University of California, Los Angeles	Kean University	Pratt Institute	Tufts University
University of California, San Diego	Kenyon College	Princeton University	Tulane University
Carnegie Mellon University	King's College	Purdue University	Union College
Case Western Reserve University	La Salle University	Quinnipiac University	United States Coast Guard Academy
Champlain College	Lafayette College	Ramapo College of New Jersey	United States Military Academy
College of Charleston	Lehigh University	Rensselaer Polytechnic Institute	Vanderbilt University
University of Chicago	Lewis & Clark College	Rhode Island School of Design	Vaughn College of Aeronautics and Technology
City University of London	LIM College (Laboratory Institute of Merchandising)	University of Rhode Island	University of Vermont
Clemson University	Loyola Marymount University	Rider University	University of Victoria
Colgate University	Loyola University Chicago	Ringling College of Art and Design	Villanova University
University of Colorado at Boulder	Loyola University Maryland	Rochester Institute of Technology	Virginia Tech
Columbia University	Loyola University New Orleans	University of Rochester	University of Virginia
University of Connecticut	Lynn University	Roger Williams University	Wake Forest University
The Cooper Union for the Advancement of Science & Art	Manhattan College	Rowan University	Washington University in St. Louis
Cornell University	Manhattanville College	Rutgers University-New Brunswick	Wellesley College
Dartmouth College	Marist College	Rutgers University-Newark	Wentworth Institute of Technology
University of Delaware	University of Maryland, College Park	Sacred Heart University	West Chester University of Pennsylvania
DeSales University	University of Massachusetts, Amherst	Salisbury University	Wheaton College MA
Dominican College	McGill University	University of San Francisco	Wilkes University
Drexel University	Miami University, Oxford	Santa Barbara City College	William Paterson University of New Jersey
Duke University	University of Miami	Savannah College of Art and Design	University of Wisconsin, Madison
Elon University	Michigan State University	School of Visual Arts	Worcester Polytechnic Institute
Embry-Riddle Aeronautical University - Daytona Beach	University of Michigan	The University of Scranton	Yale University
Emerson College	Mitchell College	Seton Hall University	
Emory University	Monmouth University	Siena College	
Fairfield University	Montclair State University	Smith College	
Fairleigh Dickinson University - Florham Campus	College of Mount Saint Vincent	University of South Carolina	
Fairleigh Dickinson University - Metropolitan Campus	Muhlenberg College	St. Lawrence University	
Fashion Institute of Technology			