

NORTHERN VALLEY REGIONAL HIGH SCHOOL

DEMAREST

SCHOOL PROFILE 2018 - 2019



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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 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 **1015 students in Grades 9-12 (258 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

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: **31 Advanced Placement Courses, 50 Honors Courses and 53 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)	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.			

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 are 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, or open-enrollment courses.

50 HONORS COURSES OFFERED	
ENGLISH	ENGLISH 1H*, ENGLISH 2H*, ENGLISH 3H* (MOST RIGOROUS GRADE 11 OFFERING - AP ENGLISH LANG. & COMP. IS <u>NOT</u> AN ENGLISH 3 COURSE). ENG. 4 - WORLD MYTHOLOGY & ARCHETYPAL LITERATURE H* ; ENG. 4 - LITERATURE & PHILOSOPHY OF ASIA H* ADVANCED JOURNALISM 2H*, ADVANCED JOURNALISM 3H* (ELECTIVES)
MATHEMATICS	GEOMETRY H*, ALGEBRA 2H*, PRECALCULUS H* ; MULTIVARIABLE CALCULUS H* (ELECTIVE FOR SUPER-ACCELERATED STUDENTS)
SCIENCE	BIOLOGY H*, CHEMISTRY H* , (AP PHYSICS IS MOST RIGOROUS GRADE 11 SCIENCE COURSE)
SOCIAL STUDIES	US HISTORY 1H* , (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 H, INTERNATIONAL BUSINESS H, MARKETING 3: APPLIED MARKETING PRINCIPLES H (ELECTIVES)
FAMILY & CONSUMER SCIENCE	ADVANCED CHILD DEVELOPMENT H (ELECTIVE)
MUSIC	CHOIR 2H, 3H; STRING ORCHESTRA 2H, 3H; WIND SYMPHONY 2H, 3H (ELECTIVES)
TECHNOLOGY & ENGINEERING	ENGINEERING DESIGN H, BIOMEDICAL TECHNOLOGY 1H, 2H; COMPUTER PROGRAMMING H (ELECTIVES)
THEATRE ARTS	THEATRE ARTS 2H, 3H (ELECTIVES)
VISUAL ARTS	DRAWING PAINTING & MIXED MEDIA 2H (ELECTIVE)
*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 consider taking an 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.

31 ADVANCED PLACEMENT COURSES OFFERED	
(62% OF 11TH AND 12TH GRADERS TOOK AT LEAST ONE AP COURSE IN 2017-18)	
ENGLISH	ENGLISH LANGUAGE & COMPOSITION ¹ , ENGLISH LITERATURE & COMPOSITION^{2*}
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^{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 <u>Not</u> satisfy English 3 course requirement. ² Course fulfills academic graduation requirement.	
*Teacher recommendation, grade-qualified 'earn-in' or waiver required.	
*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 partner institutions for certain high school courses. Students are also encouraged to take one college-approved course prior to graduation.

Beginning 2016-17, courses are noted on the transcript as 'approved for college credit through dual enrollment'.

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

*Students may register for credits in the corresponding college course only once.

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 starting 2018). **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 additional GPA weight according to table below. **The Class of 2019 will not see impact of new grade scale until 7th semester.**

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: 258	WEIGHTED GPA
HIGHEST	4.882
MEDIAN	3.629
LOWEST	1.776
4.5 OR ABOVE	24
4.25 - 4.49	19
4.00 - 4.24	29
3.75 - 3.99	36
3.50 - 3.74	42
3.25 - 3.49	41
3.00 - 3.24	23
2.75 - 2.99	26
2.25 - 2.74	13
2.24 OR BELOW	5

GPA STATISTICS & DISTRIBUTION: GPA distribution details for the class of 2019 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 us.

SCHOOL ENROLLMENT AND COURSE ENROLLMENT:

Courses are noted on the transcript if a student is enrolled past Quarter 1. Changes to a student's school or 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	2018	2017	2016	
% FOUR-YEAR COLLEGE MATRICULATION	91	90	94	
% TWO-YEAR COLLEGE MATRICULATION	5.5	4.6	3	
% MILITARY / VOCATIONAL / OTHER	3.5	5.1	3	
CLASS SIZE	255	238	280	

NATIONAL MERIT			
CLASS	COMMENDED	SEMI-FINALISTS	FINALISTS
2019	19	6	AWARDED SPRING
2018	9	4	4
2017	21	3	3

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

AP SCHOLARS				
TESTING YEAR	2018	2017	2016	
AP SCHOLARS	43	36	35	
AP SCHOLARS WITH HONOR	24	25	19	
AP SCHOLARS WITH DISTINCTION	25	24	18	
AP NATIONAL SCHOLARS	4	1	1	
TOTAL AP SCHOLARS (AVG. SCORE)	92 (3.97)	85 (4.09)	72 (3.96)	

SAT SCORES (MEAN)				
	CLASS OF 2019 ¹	CLASS OF 2018 ²	CLASS 2017 ² 3/16 >	CLASS 2017 ² < 3/16
READING	32	31	29	609
MATH	34	33	31	657
WRITING	34	33	30	632
READING & WRITING	650	640	590	-
MATHEMATICS	670	660	615	-
TOTAL	1335	1310	1200	1898
CLASS SIZE	258	255	238	
STUDENTS REPORTING	140	139	66	114

¹ SCORES THROUGH SPRING JUNIOR YEAR ² SCORES THROUGH SENIOR YEAR

SAT SUBJECT SCORES - CLASS OF 2019			
SUBJECT	MIDDLE 50%	MEAN	STUDENTS
BIOLOGY - ECOLOGY	600 - 730	669	29
BIOLOGY - MOLECULAR	610 - 750	683	32
CHEMISTRY	630 - 770	691	54
ENGLISH LITERATURE	630 - 730	674	10
MATH LEVEL II	730 - 800	754	54
PHYSICS	580 - 780	693	13
U.S. HISTORY	630 - 770	696	18

ACT SCORES (MEAN)			
GRADUATION YEAR	2019*	2018	2017
ENGLISH	29.9	28.1	27.7
MATH	28.3	26.5	26.7
READING	29.6	27.1	26.2
SCIENCE	28.1	25.8	25.5
COMPOSITE	28.5	27.0	26.6
STUDENTS TESTED	174	188	155

* INTERNAL DATA - VERIFIED BY ACT IN SUBSEQUENT YEAR

ADVANCED PLACEMENT			
TESTING YEAR	2018	2017	2016
STUDENTS TESTED	413	313	253
SCORED EXAMS	664	568	448
SUBJECTS TESTED	30	27	22
AP STUDENTS WITH SCORES 3+	304	226	191
% AP STUDENTS WITH SCORES 3+	74%	72%	76%
% EXAMS 3+ (% IN REQUIRED EXAMS)	76% (83%)	76% (89%)	78% (89%)
EXAMS SCORED 5	138	120	112
EXAMS SCORED 4	183	156	126
EXAMS SCORED 3	182	155	110

PSAT SCORES (MEAN) - CLASS OF 2019					
READING & WRITING	MATH	MATHEMATICS	READING	WRITING	TOTAL
584	20	582	20	20	1166

200 STUDENTS TESTED - ADMINISTERED OCTOBER, 2017

ATTENDING COLLEGES AND INSTITUTIONS: CLASSES OF 2016 - 2018

We proudly celebrate the post-secondary placements of **ALL** Northern Valley graduates into nearly 200 different 2-year, 4-year and vocational institutions – across a range of selectivity levels – in 30 states and in 4 countries.

Albright College	Iona College	Roger Williams University	Tulane University
Allegheny College	Ithaca College	Rowan University	Union College
American University	John Jay College-CUNY	Rutgers University – New Brunswick	United States Coast Guard Academy
Arcadia University	Johns Hopkins University	Rutgers University – Newark	University of Buffalo SUNY
Arizona State University	Johnson & Wales University	Sacred Heart University	University of Chicago
Babson College	Keio University	Saint John's University	University of Colorado
Baldwin Wallace University	King's College	Saint Peter's University	University of Connecticut
Barnard College	Lafayette College	San Diego State University	University of Delaware
Bates College	Lehigh University	Santa Barbara City College	University of Florida
Bennington College	Lewis & Clark College	Savannah College of Art & Design	University of Hartford
Bentley University	LIM (Laboratory Institute of Merchandising)	School of Visual Arts	University of Illinois
Bergen Community College	Long Island University	Seton Hall University	University of Maryland
Berklee College of Music	Louisiana State University	Siena College	University of Massachusetts
Binghamton University	Loyola University Chicago	Smith College	University of Miami
Bloomsburg University	Loyola University Maryland	St. Lawrence University	University of Michigan
Boston College	Loyola University New Orleans	St. Thomas Aquinas College	University of New Hampshire
Boston University	Lynn University	Stanford University	University of New Haven
Bowdoin College	Manhattan College	SUNY at Albany	University of New Orleans
Brandeis University	Marist College	SUNY at New Paltz	University of North Carolina at Wilmington
Brown University	McGill University	SUNY College at Geneseo	University of Notre Dame
Bucknell University	Mercy College	SUNY Maritime College	University of Oregon
Caldwell University	Michigan State University	Stevens Institute of Technology	University of Pennsylvania
Carnegie Mellon University	Mitchell College	Stockton University	University of Pittsburgh
Case Western Reserve University	Monmouth University	Stony Brook University	University of Rhode Island
Champlain College	Montclair State University	Syracuse University	University of Rochester
Clemson University	Muhlenberg College	Tallahassee Community College	University of San Francisco
Colgate University	Nassau Community College	Tel Aviv University	University of South Carolina
College of Charleston	New England Conservatory of Music	Temple University	University of Southern California
College of Mount Saint Vincent	New Jersey Institute of Technology	Texas A&M University	University of the Sciences in Philadelphia
Columbia University	New York Institute of Technology	Texas Southern University	University of Vermont
Cornell University	New York University	The Capri Institute	University of Victoria
DeSales University	Northeastern University	The College of New Jersey	University of Wisconsin
Drexel University	Northwestern University	The Cooper Union for the Advancement of Science & Art	Vanderbilt University
Elmira College	Pace University	The Culinary Institute of America	Vassar College
Embry-Riddle Aeronautical University	Pennsylvania State University	The Curtis Institute of Music	Vaughn College of Aeronautics & Technology
Emerson College	Plymouth State University	The George Washington University	Villanova University
Emory University	Pratt Institute	The New School	Virginia Tech
Fairfield University	Princeton University	The Ohio State University	Washington University in St. Louis
Fairleigh Dickinson University	Purdue University	The University of Alabama	Wellesley College
Fashion Institute of Technology	Quinnipiac University	The University of Arizona	Wentworth Institute of Technology
Florida Atlantic University	Ramapo College of New Jersey	The University of Scranton	West Virginia University
Florida State University	Rensselaer Polytechnic Institute	The University of Tampa	Wheaton College MA
Fordham University	Rhode Island School of Design	The University of the Arts	Wilkes University
Full Sail University	Ringling College of Art & Design	Towson University	William Paterson University of New Jersey
Georgetown University	Rochester Institute of Technology	Trinity College	Worcester Polytechnic Institute
Gettysburg College		Tufts University	
Hamilton College			
Harvard University			
High Point University			
Hofstra University			
Indiana University			