

NORTHERN VALLEY REGIONAL HIGH SCHOOL DEMAREST SCHOOL PROFILE 2017-2018



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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

One of two comprehensive public high schools in the regionalized district, we serve a student population of approximately 1015 students in Grades 9-12.

We support and encourage student participation in a variety of sports and co-curricular activities, including participation at the freshman through varsity level in 27 sports, as well as 74 co-curricular activities.

The Northern Valley High School District is accredited by the Commission of Secondary Schools, the New Jersey Department of Education, and the Middle States Association of Colleges and Schools.

COMMUNITY

Our communities, comprised of upper-middle income families, historically supported a school budget which provides for varied, in-depth college preparatory and career-oriented curricula. Recently, the community approved an 11.7 million dollar referendum.

AWARDS

Blue Ribbon Award - Technology School of Excellence

Future Ready Schools-New Jersey - Certified School

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 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

Advanced Courses: 30 Advanced Placement, 45 Honors and 48 Dual Enrollment Courses

Business Organizations - DECA & FBLA

Career & Technical Education (CTE) - Biomedical Technology

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.

College Prep Courses offered on the 'ENRICHED' level will be noted as 'E' on the transcript beginning 2017-18. 'E' level course designations did not appear on the transcript prior to 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 waiver or open-enrollment courses.

HONORS COURSES	
SUBJECT AREA	COURSES (41)
ENGLISH	ENGLISH 1H, ENGLISH 2H, ENGLISH 3H (MOST RIGOROUS GRADE 11 OFFERING - AP ENGLISH LANGUAGE & COMPOSITION IS <u>NOT</u> AN ENGLISH 3 COURSE). ENG. 4 - WORLD MYTHOLOGY & ARCHETYPAL LITERATURE H; ENG. 4 - LITERATURE & PHILOSOPHY OF ASIA H ¹ ADVANCED JOURNALISM 2H, ADVANCED JOURNALISM 3H (ELECTIVES)
MATHEMATICS	GEOMETRY H, ALGEBRA 2H, PRECALCULUS H
SCIENCE	BIOLOGY H, CHEMISTRY H, PHYSICS H (THROUGH 2015-2016: REPLACED BY AP PHYSICS 1 AS MOST RIGOROUS GRADE 11 SCIENCE COURSE)
SOCIAL STUDIES	US HISTORY 1H, WORLD CIVILIZATIONS H (THROUGH 2015-16: TO BE REPLACED BY AP WORLD HISTORY IN 2018-19 AS MOST RIGOROUS GRADE 11 SOCIAL STUDIES COURSE)
WORLD LANGUAGE	CHINESE 2H, 3H; FRENCH 2H, 3H, 4H; ITALIAN 2H, 3H; JAPANESE 2H, 3H; KOREAN 2H*; 3H*; LATIN 2H, 3H*, 4H*; SPANISH 2H, 3H, 4H; (STUDENTS BEGINNING WITH LEVEL 1 SPANISH OR FRENCH <u>CANNOT</u> TAKE AP SPANISH, AS AP COURSE IS AT LEVEL 5)
BUSINESS	ACCOUNTING H, MARKETING 3: APPLIED MARKETING PRINCIPLES H* (ELECTIVES)
FAMILY & CONSUMER SCIENCE	ADVANCED CHILD DEVELOPMENT H (ELECTIVE)
MUSIC	CHOIR 2H(2016), 3H; STRING ORCHESTRA 2H (2016), 3H; WIND SYMPHONY 2H (2016), 3H (ELECTIVES)
TECHNOLOGY & ENGINEERING	ENGINEERING DESIGN H, BIOMEDICAL TECHNOLOGY 1H* (ELECTIVES)
THEATRE ARTS	THEATRE ARTS 2H* (ELECTIVE)
VISUAL ARTS	DRAWING PAINTING & MIXED MEDIA 2H* (ELECTIVES)
*New Course Offering ¹ Course not running in 2017-18	

Considered our most rigorous offerings, some Advanced Placement courses require teacher recommendation or grade-qualified waiver, while others are open enrollment. The majority of AP courses are available to 11th and 12th graders. Students may take 4 AP courses in 11th grade and 5 AP courses in 12th grade. **With recently introduced courses, the class of 2018 students may not have had full access to all AP courses.**

ADVANCED PLACEMENT COURSES – 2017-18 ACADEMIC YEAR	
SUBJECT AREA	COURSES (30) - 60% OF 11 TH AND 12 TH GRADERS TOOK AT LEAST ONE AP COURSE IN 2016-17
ENGLISH	ENGLISH LANGUAGE & COMPOSITION ¹ , ENGLISH LITERATURE & COMPOSITION ^{2*}
MATHEMATICS	CALCULUS AB*, CALCULUS BC*, COMPUTER SCIENCE A (2015), STATISTICS
SCIENCE	BIOLOGY*, CHEMISTRY*, ENVIRONMENTAL SCIENCE (2016), PHYSICS 1 (2016) ^{2*} , PHYSICS 2 (OFFERED 2016, RUNNING 2017)*, PHYSICS C: MECHANICS*
SOCIAL STUDIES	EUROPEAN HISTORY, MACROECONOMICS (2016), MICROECONOMICS (2016), PSYCHOLOGY (2017), US GOVERNMENT & POLITICS, US HISTORY ^{2*} , WORLD HISTORY
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, AS AP COURSE IS AT LEVEL 5)
MUSIC	MUSIC THEORY (OFFERED 2016, RUNNING 2017)
TECHNOLOGY & ENGINEERING	COMPUTER SCIENCE PRINCIPLES (2016)
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. *Teacher recommendation or grade qualification <u>and</u> AP Exam mandatory for this course. ² Course fulfills academic graduation requirement. Prior to 2015-16, AP exam was required for all AP Courses.	

DUAL ENROLLMENT COURSES

11th and 12th grade students may earn optional college credit by enrolling through partner institutions for certain high school courses.

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		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:

Courses are graded on a 100-point scale correlated to a letter grade. Final letter grades are converted to a 4.0 scale (see table). Honors and Advanced Placement courses earn an additional weighted value of 1.

GPA is calculated using the 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. 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 and 7th 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).

GPA STATISTICS AND DISTRIBUTION: Class of 2018 GPA details are displayed on the table (below).

GRADE SCALE			
LETTER GRADE	PERCENT RANGE	GPA VALUE	AP/HONORS GPA VALUE
A+	(98-100)	4.4	5.4
A	(92-97)	4.0	5.0
A-	(90-91)	3.6	4.6
B+	(88-89)	3.4	4.4
B	(82-87)	3.0	4.0
B-	(80-81)	2.6	3.6
C+	(78-79)	2.4	3.4
C	(72-77)	2.0	3.0
C-	(70-71)	1.6	2.6
D	(60-69)	1.2	2.2
F	(below 60)	0.0	0.0

6 TH SEMESTER GPA DISTRIBUTION	
TOTAL NUMBER OF STUDENTS IN SENIOR CLASS	255
HIGHEST CUMULATIVE 6 TH SEMESTER GPA	4.816
MEDIAN CUMULATIVE 6 TH SEMESTER GPA	3.532
LOWEST CUMULATIVE 6 TH SEMESTER GPA	1.67
4.25 OR HIGHER	29
3.75 – 4.24	64
3.25 – 3.74	82
2.75 – 3.24	66
2.25 – 2.74	12
2.24 OR BELOW	2

CLASS RANK:

Within our very challenging academic environment, most students earn exemplary grades. Comparisons among students inherent in class rank unnecessarily increase competition.

Therefore, beginning with the class of 2017 Northern Valley will no longer publish class rank.

Should an institution *require* percentile information for admission or scholarship, that institution may communicate directly with our department.

SCHOOL ENROLLMENT AND COURSE ENROLLMENT:

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

DISCIPLINE DISCLOSURE:

It is not the practice of NVRHS to disclose student discipline in application reports.

SCHOOL AND CLASS STATISTICS

POST SECONDARY SUMMARY			
	2017	2016	2015
% FOUR-YEAR COLLEGE MATRICULATION	90	94	91
% TWO-YEAR COLLEGE MATRICULATION	4.6	3	5
% MILITARY / VOCATIONAL / OTHER	5.1	3	4
CLASS SIZE	238	280	289

NATIONAL MERIT RECOGNITION			
CLASS	COMMENDED	SEMI-FINALISTS	FINALISTS
2018	9	4	AWARDED SPRING
2017	21	3	3
2016	24	1	1

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

AP SCHOLARS			
	2017	2016	2015
AP SCHOLARS	36	35	29
AP SCHOLARS WITH HONOR	25	19	10
AP SCHOLARS WITH DISTINCTION	24	18	23
AP NATIONAL SCHOLARS	1	1	2
TOTAL AP SCHOLARS (AVG. SCORE)	85 (4.09)	72 (3.96)	62 (3.87)

SAT SCORES (MEAN)				
	CLASS 2018 ¹ 3/16 >	CLASS 2017 ² 3/16 >	CLASS 2017 ² < 3/16	CLASS OF 2016 ²
READING	31	29	609	586
MATH	33	31	657	627
WRITING	33	30	632	618
READING & WRITING	630	590	-	-
MATHEMATICS	660	615	-	-
TOTAL	1295	1200	1898	1831
CLASS SIZE	255	238		280
STUDENTS REPORTING	130	66	114	225

¹ SCORES THROUGH JUNIOR YEAR ² SCORES THROUGH SENIOR YEAR

SAT SUBJECT SCORES - CLASS OF 2018			
	MIDDLE 50%	MEAN	STUDENTS
BIOLOGY - ECOLOGY	600 - 700	658	27
BIOLOGY - MOLECULAR	600 - 680	646	19
CHEMISTRY	620 - 740	687	34
MATH LEVEL I	680 - 750	722	12
MATH LEVEL II	710 - 790	739	31
PHYSICS	680 - 770	716	18
U.S. HISTORY	610 - 690	657	23

MEAN PSAT SCORES - CLASS OF 2018					
READING & WRITING	MATH	MATHEMATICS	READING	WRITING	TOTAL
566	21	569	21	21	1135

198 STUDENTS TESTED - ADMINISTERED OCTOBER, 2016

ACT SCORES (MEAN)				
	2018*	2017	2016	2015
ENGLISH	28.6	27.7	27.0	25.1
MATH	27.1	26.7	26.3	25.8
READING	28.3	26.2	26.6	25.2
SCIENCE	27.1	25.5	24.9	24.6
COMPOSITE	27.4	26.6	26.3	25.3
STUDENTS TESTED	179	155	138	139

* INTERNAL DATA - VERIFIED BY ACT IN SUBSEQUENT SEPTEMBER

AP EXAM DATA			
	2017	2016	2015
TOTAL STUDENTS TESTED	313	253	274
TOTAL SCORED EXAMS	568	448	515
SUBJECTS TESTED	27	22	19
AP STUDENTS WITH SCORES 3+	226	191	197
% AP STUDENTS WITH SCORES 3+	72%	76%	72%
% EXAMS 3+ (% REC REQUIRED 3+)	76% (89%)	78% (89%)	71% (84%)
EXAMS SCORED 5	120	112	82
EXAMS SCORED 4	156	126	144
EXAMS SCORED 3	155	110	138

COLLEGES ATTENDING – CLASS OF 2015 – 2017

We proudly celebrate the post-secondary placements of all Northern Valley graduates into nearly 200 different 2-year, 4-year and vocational colleges across a range of selectivity, in 33 states and 5 countries.

Albright College	Franklin & Marshal College	Oberlin College of Arts & Sciences	Tulane University
Allegheny College	Full Sail University	Ohio State University	Union College
American Academy of Dramatic Arts	Georgetown University	Pace University	University of Alabama
American University	George Washington University	Pennsylvania State University	University of Arizona
Arcadia University	Gettysburg College	Plymouth State University	University of California
Auburn University	Gordon College	Pratt Institute	University of Chicago
Babson College	Hamilton College	Princeton University	University of Colorado
Baldwin Wallace University	Harvard University	Providence Christian College	University of Connecticut
Barnard College	High Point University	Purdue University	University of Delaware
Bennington College	Hofstra University	Quinnipiac University	University of Florida
Bentley University	Indiana University	Ramapo College of New Jersey	University of Hartford
Bergen Community College	Iona College	Rensselaer Polytechnic Institute	University of Illinois
Berkeley College	Ithaca College	Rhode Island School of Design	University of Maryland
Berklee College of Music	James Madison University	Rider University	University of Massachusetts
Binghamton University	John Jay College-CUNY	Rochester Institute of Technology	University of Miami
Bloomsburg University	Johns Hopkins University	Roger Williams University	University of Michigan
Boston College	Johnson & Wales University	Rowan University	University of Mississippi
Boston University	Kean University	Rutgers University	University of New Hampshire
Bowdoin College	Keio University	Sacred Heart University	University of New Haven
Brandeis University	King's College	Saint Peter's University	University of New Orleans
Bryn Mawr College	Lafayette College	San Diego State University	University of North Carolina
Brown University	Lehigh University	Santa Barbara City College	University of Notre Dame
Bucknell University	Lewis & Clark College	School of Visual Arts	University of Oregon
Caldwell University	LIM (Laboratory Institute of Merchandising)	Seton Hall University	University of Pennsylvania
California Institute of Technology	Long Island University	Siena College	University of Pittsburgh
Carnegie Mellon University	Louisiana State University	Springfield College	University of Rhode Island
Case Western Reserve University	Loyola University Chicago	St. John's University	University of Rochester
Champlain College	Loyola University Maryland	St. Lawrence University	University of Scranton
Charleston Southern University	Lynn University	St. Thomas Aquinas College	University of South Carolina
City University of London	Manhattan College	Stanford University	University of Southern California
Clemson University	Marist College	Stevens Institute of Technology	University of Tampa
Colgate University	Maryland Institute College of Art	Stockton University	University of Tennessee
College of Charleston	McGill University	SUNY at Albany	University of the Arts
College of William and Mary	Mercy College	SUNY College at Geneseo	University of Vermont
Columbia University	Miami University, Oxford	SUNY at New Paltz	University of Victoria
Cornell University	Michigan State University	Syracuse University	University of Virginia
Dartmouth College	Monmouth University	Tallahassee Community College	University of Wisconsin
Drew University	Montclair State University	Temple University	Vanderbilt University
Drexel University	Moravian College	Texas A&M University	Vassar College
Duke University	Muhlenberg College	Texas Southern University	Vaughn College of Aeronautics & Technology
Eastwick College	Nassau Community College	The College of New Jersey	Villanova University
Elmira College	New England Conservatory of Music	The Cooper Union for the Advancement of Science & Art	Virginia Tech
Embry-Riddle Aeronautical University	New Jersey Institute of Technology	The Culinary Institute of America	Washington University in St. Louis
Emerson College	New York Institute of Technology	The Curtis Institute of Music	Wentworth Institute of Technology
Emory University	New York University	The New School	West Virginia University
Fairfield University	Northeastern University	Towson University	Wilkes University
Fairleigh Dickinson University	Northwestern University	Trinity College	William Paterson University
Fashion Institute of Technology	Oakland University	Tufts University	Worcester Polytechnic Institute
Florida State University			
Fordham University			