

# MOUNTAIN LAKES

## HIGH SCHOOL

## School Profile

2016–2017

*Principal*

**Jeremy Davies**

*Assistant Principal:*

**Robert Downes**

*Supervisors of Instruction:*

**Kurt Hanisch**

**Paul Henry**

**Frank Sanchez**

**James Smith**

*Director of School Counseling:*

**Willieneil French**

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*School Counselors:*

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*College Counselor:*

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**CEEB: 310855**

### THE SCHOOL

Mountain Lakes High School is a traditional high school thirty miles west of New York City in the residential suburb of Morris County, NJ. Mountain Lakes High School is accredited by the New Jersey Department of Education and is recognized locally and nationally as a premier educational institution. Mountain Lakes has consistently ranked as a top school district in *New Jersey Monthly* and *U.S. News and World Report*.

The success of Laker students not only lies in their academic accomplishments, but over 90% of the student body participates in extracurricular activities and community service. Individual involvement and success includes athletics, the visual arts, drama, music, school government, and community service programs. Lakers are exceptional leaders and innovators in their school and community.

### ENROLLMENT AND FACULTY

- Approximately 735 students
- 202 seniors
- 70 full-time faculty members; 56 have earned advanced degrees

### CALENDAR, COURSE CREDIT, AND CLASS PERIODS

Mountain Lakes operates a nine-period day. Most students are enrolled in up to seven courses at a time. In general, students take four to five core academic classes each year. Unique to Mountain Lakes are our laboratory periods for AP mathematics and AP science courses. These laboratory periods are in addition to the lecture period. AP mathematics courses have one (1) laboratory period a week and AP science courses have two (2) laboratory periods per week. Classes meet 40 minutes per day. Credit is awarded at the end of the course, 36 weeks for yearlong courses and 18 weeks for semester courses. Full year classes earn 5 credits and semester courses earn 2.5 credits. Health courses earn 1 credit; each quarter of Physical Education 11/12 earns .75 credits; Physical Education 9 and 10 earn 1 credit. All science and AP math courses are awarded 6 credits or 7 credits depending on the number of laboratory periods. A maximum of 45 credits can be earned during the regular school year. *Note:* 5, 6, or 7 credits = Full year credit.

### 2016 ACADEMIC HONORS

National Merit Semifinalist - 3  
National Merit Finalist- 3  
Letter of Commended Scholars - 11

National AP Scholar - 9  
AP Scholars - 26  
AP Scholars with Honor - 16  
AP Scholars with Distinction - 64

### 2016 GRADUATE PROFILE

Two year colleges -	1 %
Four year colleges -	95 %
Non - US Colleges -	1 %
Military/work/other* -	3 %

\* Includes Apprenticeship Program, Gap Year, and Career School

## GRADUATION REQUIREMENTS

Each student must successfully complete at least 122.5 course credits and earn a minimum score in English/ Language Arts and Mathematics on a selected state approved standardized test as per the New Jersey state graduation matrix.

Department	Credits
English	20 credits
Mathematics	15 credits (must include Algebra 1 and Geometry)
Science	15 credits (must include Biology, an additional lab science including Chemistry, Environmental Science, or Physics; and a third lab/inquiry-based science course)
Social Studies	15 credits (5 credits of World History/Cultures; 10 credits of US History)
Health & Physical Education	Must complete 1 credit of Health/Driver's Education and 3 credits physical education during each year of enrollment
World Language	5 credits
Financial Literacy	2.5 credits
21st Century Life and Careers, or Career-Technical Education	5 credits
Fine Arts	5 credits

## 2016 TESTING PROFILE

SAT	MLHS	State	National
129 takers			
Critical Reading	567	495	494
Mathematics	583	514	508
Writing	566	492	482
<b>TOTALS</b>	<b>1716</b>	<b>1501</b>	<b>1484</b>

ACT	MLHS	State	National
104 takers			
English	26.5	22.7	20.1
Mathematics	26.1	23.3	20.6
Reading	27.0	23.5	21.3
Science	25.4	22.5	20.8
Composite	26.3	23.1	20.8

## SAT SUBJECT TEST MEAN CLASS OF 2016

SECTION	MEAN	STUDENTS TESTED
Biology-Ecology	682	14
Biology-Molecular	674	7
Chemistry	633	19
Chinese with Listening	800	1
French	650	3
Literature	675	6
Math Level 1	632	12
Math Level 2	719	23
Physics	664	9
Spanish	645	3
Spanish with Listening	800	1
US History	661	27
World History	635	8

# Total Index of Courses by Department

## ENGLISH

AP Language  
 AP Literature  
 English 9  
 English 10 (H)  
 English 11 (H)  
 English 12 (H)  
 Communication 9  
 Communication 10  
 Communication 11  
 Communication 12  
 English as a Second Language  
*Creative Writing*  
*Film Study*  
*Digital Journalism*  
*Public Speaking*

## WORLD LANGUAGE

American Sign Language 1, 2  
 French 1, 2, 3 (H), 4 (H), 5  
 AP French Language  
 Latin 1, 2, 3/4 (H)  
 Honors Latin Cicero  
 Spanish 1, 2, 3 (H), 4 (H), 5  
 AP Spanish Language  
 Spanish Conversation & Culture 1, 2

## MATHEMATICS

Algebra  
 Algebra 2 (H)  
 Calculus  
 AP Calculus AB  
 AP Calculus BC  
 Discrete Math & Financial Literacy  
 General Math 9  
 Geometry (H)  
 Math for Independent Living  
 Honors Multivariable Calculus  
 Pre-Calculus (H)  
 Pre-College Math  
 AP Statistics

## VISUAL & PERFORMING ARTS

Advanced Art  
 Advanced Drawing  
 Foundations of Art  
 Portfolio Development  
 AP Studio Art: Drawing, 2-D. 3-D  
 Concert Band  
*Guitar*  
*Advanced Guitar*  
 Symphonic Band  
 Music Theory  
 AP Music Theory  
 Chamber Choir  
 Freshmen Choir  
 MLHS Chorus  
 String Ensemble  
 Wind Ensemble

## SCIENCE

Contemporary Biology  
 Biology (H, AP)  
 Contemporary Chemistry  
 Chemistry (H, AP)  
 Environmental & Sustainability Science  
 AP Environmental Science  
 Earth Space Science  
 Human Anatomy and Physiology  
 Physics  
 AP Physics 1  
 AP Physics 2  
 AP Physics C

## SOCIAL STUDIES

AP Art History  
*Online Economics*  
 AP European History  
*AP Comparative Government and Politics*  
*AP Microeconomics*  
*AP Macroeconomics*  
*Psychology*  
*Psychology Seminar (H)*  
*AP US Government and Politics*  
 U.S. History I (H)  
 U.S. History II (H, AP)  
 World Cultures  
 AP World History

## 21st CENTURY SKILLS

Advanced Data Structures (H)  
 AP Computer Science  
*Computer Programming 1, 2*  
*Graphic Design*  
*Multimedia*  
*Nutrition*  
*Web Design and Publishing*  
 Drafting and Design 1, 2, 3, 4  
*Child Study*  
*Fashion and Image*  
*Advanced Foods*  
*Foreign Foods*

## PHYSICAL/HEALTH EDUCATION

Current Health Issues  
 Driver Education  
 Human Development  
 Human Relationships  
 Physical Education

## ENRICHMENT COURSES

Learning Strategies  
 Morris County School of Technology\*

### Legend:

*Italics* = Semester Courses  
 \* = Variety of Course Offerings  
 H = Honors  
 AP = Advanced Placement

## CURRICULUM

All courses offered at Mountain Lakes are exclusively college preparatory in nature. Tiered courses will be indicated by the various level offerings (Honors or AP) located next to the course title. Morris County School of Technology (Vo-Tech) offers our students a variety of curricular experiences structured as an academy model. The courses range from academic to skills experiences. Complementing our academic programs are learning community activities and seminar, PXL and Online Academy. The high school also includes an academic program that offers services for hearing impaired students. Through this program, classes in sign language and deaf awareness have been added to the school's curriculum.

## GPA

All courses listed on the transcript are included in the GPA calculations except Physical Education and Independent Study. GPA is calculated on a weighted 4.0 scale. Grades are calculated using the grid below:

	College Prep (courses without a designation)	Honors	Advanced Placement
A+	4.3	4.8	5.3
A	4.0	4.5	5.0
A-	3.7	4.2	4.7
B+	3.3	3.8	4.3
B	3.0	3.5	4.0
B-	2.7	3.2	3.7
C+	2.3	2.8	3.3
C	2.0	2.5	3.0
C-	1.7	2.2	2.7
D+	1.3	1.3	1.3
D	1.0	1.0	1.0
D-	0.7	0.7	0.7
F	0.0	0.0	0.0

Highest GPA for Class of 2017: 4.742  
 Median GPA for Class of 2017: 3.648

## CLASS RANK

Mountain Lakes High School does not rank its students.

# COLLEGES MATRICULATED BY THE CLASS OF 2015 AND 2016

*Schools in bold typeface indicate two or more students from the graduating class*

Over the past two graduating classes, 82 % of Mountain Lakes students have matriculated to colleges outside of New Jersey, including destinations outside the United States.

## **The University of Alabama**

University of Amsterdam

## **American University**

## **Arcadia University**

Barnard College

Belmont University

Bergen Community College

Birmingham-Southern College

Bloomsburg University of Pennsylvania

## **Boston College**

## **Boston University**

Brandeis University

Brigham Young University

Brown University

## **Bryant University**

## **Bucknell University**

California State University, Monterey Bay

University of California, Los Angeles

Carleton College

Carnegie Mellon University

Champlain College

University of Chicago

The Citadel, Military College of  
South Carolina

Clarkson University

## **Clemson University**

## **Coastal Carolina University**

Colby College

## **Colgate University**

## **University of Colorado at Boulder**

Colorado College

Colorado School of Mines

## **Columbia University**

Cornell University

## **County College of Morris**

## **Dartmouth College**

Davidson College

## **University of Delaware**

Denison University

DeVry University

## **Dickinson College**

Drew University

Drexel University

## **Duke University**

## **Elon University**

Embry-Riddle Aeronautical University

Fairfield University

## **Fairleigh Dickinson University**

Florida State University

University of Florida

## **Fordham University**

Gallaudet University

## **The George Washington University**

## **Georgia Institute of Technology**

University of Georgia

## **Gettysburg College**

Green Mountain College

## **Hamilton College**

University of Hartford

Harvard University

## **Haverford College**

High Point University

College of the Holy Cross

## **Indiana University at Bloomington**

Ithaca College

Jacksonville University

James Madison University

John Hopkins University

Johnson & Wales University

## **Kean University**

King's College London

Kutztown University of Pennsylvania

La Salle University

## **Lafayette College**

## **Lehigh University**

Liberty University

## **Loyola Marymount University MD**

Manhattan College

## **Marist College**

University of Mary Washington

University of Maryland, Baltimore County

## **University of Maryland College Park**

Massachusetts Maritime Academy

## **University of Massachusetts, Amherst**

McDaniel College

Messiah College

University of Miami

## **University of Michigan, Ann Arbor**

Misericordia University

University of Mississippi

University of Missouri, Columbia

## **Monmouth University**

## **Montclair State University**

Montserrat College of Art

## **Moravian College**

## **Muhlenberg College**

## **New Jersey Institute of Technology**

## **The College of New Jersey**

## **New York University**

University of North Carolina at Chapel Hill

University of North Carolina at Charlotte

## **Northeastern University**

## **Northwestern University**

University of Northwestern Ohio

## **University of Notre Dame**

Old Dominion University

## **Pace University**

Pennsylvania College of Art and Design

## **Pennsylvania State University**

## **University of Pennsylvania**

## **University of Pittsburgh**

## **Princeton University**

## **Providence College**

## **Purdue University**

## **Quinnipiac University**

Ramapo College of New Jersey

## **Rensselaer Polytechnic Institute**

Rhode Island School of Design

## **University of Rhode Island**

Rice University

University of Richmond

## **Rochester Institute of Technology**

## **Rutgers University**

## **Sacred Heart University**

Saint Mary's University

Salisbury University

University of San Francisco

Santa Clara University

Savannah College of Art & Design

## **The University of Scranton**

Seton Hall University

Skidmore College

Smith College

## **University of South Carolina, Columbia**

University of Southern California

Stanford University

State University of New York, Albany

## **Stevens Institute of Technology**

SUNY College of Environmental Science

and Forestry

Susquehanna University

## **Syracuse University**

The University of Tampa

The Art Institute of Philadelphia

## **Tufts University**

## **Tulane University**

Union College

US Military Academy

University of Utah

## **Vanderbilt University**

## **Vassar College**

## **University of Vermont**

## **Villanova University**

Virginia Tech

University of Virginia

Washington and Lee University

Washington University in St. Louis

Wesleyan University

West Virginia University

## **College of William and Mary**

## **William Paterson University of NJ**

## **Williams College**

University of Wisconsin, Madison

Mountain Lakes High School is a member of the National Association of College Admissions Counseling (NACAC) and complies with the Statement of Principles of Good Admissions Practice. Mountain Lakes High School is a member of College Board.