



# Montgomery High School

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www.mtsd.us

CEEB 311359

## A Blue Ribbon School of Excellence

### 2014 Profile

**M**ontgomery High School is a premier learning institution with a sustained focus on both academic achievement and social and emotional character development for all students. Beginning with the 2011-2012 school year, Montgomery adopted an AB block schedule format to support both academic and social and emotional learning objectives. Montgomery High School is located in Central New Jersey, four miles north of Princeton, and serves the suburban communities of Montgomery, Skillman, Belle Mead, Blawenburg, Rocky Hill and parts of Princeton. These communities reflect a continuous tradition of support for achievement in academic and cultural pursuits. Montgomery High School offers an extremely challenging scholastic environment and consistently produces many of New Jersey's highest achieving learners. Ninety-Four percent of the graduating class of 2014 are continuing their education at four-year colleges. The Program of Studies offers 20 Advanced Placement courses, 20 Honors and accelerated courses as well as a wide array of challenging academic electives.

#### Mean SAT Scores Class of 2014

	Verbal	Math	Writing
Montgomery	591	622	596
NJ	501	523	502
National	497	513	487

#### Mean ACT Scores Class of 2014

	English	Math	Reading	Science	Composite
Montgomery	26.1	26.4	25.9	24.6	25.9
NJ	22.8	23.7	23.1	22.4	23.1
National	20.3	20.9	21.3	20.8	21.0

#### National Merit Program

Class of 2013	Class of 2014
1 Scholarship Recipient	-
22 Finalists	16 Finalists
1 Semifinalist	1 Semifinalist
39 Commended Students	50 Commended Students

#### Mean SAT II Scores Class of 2014

	Montgomery	New Jersey	National
Literature	677	636	619
US History	732	662	643
Mathematics 1	685	642	621
Mathematics 2	744	707	691
Biology E	664	647	627
Biology M	706	672	653
Chemistry	736	677	668
Physics	713	663	665
Spanish	666	621	651
World History	635	624	626

### Student Body

**Enrollment Grades 9 thru 12: 1697**

**Class of 2014: 409**

The Montgomery High School student population represents many ethnic and cultural groups. This diversity affords students exposure to intercultural relationships and a global perspective on domestic and world issues. Montgomery High School students are highly successful in balancing an extremely rigorous academic schedule with activities outside the classroom, including participation in over 55 co-curricular offerings. These include award winning curricular and co-curricular performing arts programs highlighted by highly acclaimed bands, orchestras and choral groups; academic clubs including Robotics, Mock Trial and Science Olympiad Teams; service organizations recognized for their community contributions as well as 31 varsity sports. Our students are frequently recognized for their academic, athletic, civic and performance accomplishments.

# MISSION STATEMENT

*Montgomery High School is an academically challenging and supportive community that provides innovative educational, extra-curricular, and social opportunities that encourage responsible citizenship and life-long learning.*



## ADVANCED PLACEMENT RESULTS

May 2014

Exam	% scoring :			# students taking exam
	5	4	3	
Art History	17%	40%	29%	78
Biology	14%	55%	24%	86
Calculus AB	84%	13%	2%	68
Calculus BC	87%	4%	8%	68
Chemistry	13%	30%	33%	105
Chinese Lang & Culture *	81%	18%	-	11
Computer Science A	43%	24%	14%	21
English Lang & Composition	63%	23%	14%	43
English Lit. & Composition	39%	48%	11%	44
Environmental Science	43%	32%	14%	56
French Language	38%	55%	5%	18
German Language	21%	32%	37%	19
Human Geography *	67%	33%	-	3
Japanese Lang & Culture *	60%	20%	20%	5
Macroeconomics	47%	36%	13%	104
Microeconomics	40%	39%	15%	105
Music Theory	40%	40%	-	5
Physics B	61%	23%	12%	57
Physics C (Elec & Mag)	32%	29%	25%	28
Physics C (Mechanics)	56%	39%	-	33
Psychology *	41%	38%	14%	29
Spanish Language	25%	50%	25%	20
Statistics	43%	41%	7%	69
Studio Art: Design/2D	-	50%	50%	2
US Government & Politics	52%	20%	20%	25
US History	56%	39%	5%	106

**TOTAL TESTS**

**ADMINISTERED**

**1,209**

\* Course not offered at  
Montgomery H.S.

### Class Rank

The academic environment at Montgomery High School is very challenging. The majority of our students meet that challenge by earning exemplary grades. We believe that our students' levels of achievement are not equitably or fully communicated by class rank. Accordingly, Montgomery High School does not report class rank.

### Grading

Montgomery High School teachers believe in teaching beyond the test and most subscribe to stringent grading procedures. Therefore, marking period grades may not necessarily correlate with standardized test results.

### G.P.A.

Both weighted and unweighted grade point averages are calculated. The cumulative GPA is weighted with five additional points added to each Honors level and Advanced Placement course final grade. Only the cumulative semester GPA incorporates these weightings. The final course grade posted on the transcript is the actual grade earned in the course.

### GPA CONVERSION CHART

4.0	95-100	A	2.7	82	B
3.9	94	A	2.6	81	B
3.8	93	A	2.5	80	B
3.7	92	A	2.4	79	C
3.6	91	A	2.3	78	C
3.5	90	A	2.2	77	C
3.4	89	B	2.1	76	C
3.3	88	B	2.0	75	C
3.2	87	B	1.9	74	C
3.1	86	B	1.8	73	C
3.0	85	B	1.7	72	C
2.9	84	B	1.6	71	C
2.8	83	B	1.5	70	C

# A TRADITION OF ACHIEVEMENT

## CURRICULUM

The Class of 2015 must successfully complete the New Jersey State graduation requirement of 120 credits. Students are required to complete 20 credits of English, 15 credits of Mathematics, 15 credits of Laboratory Science, 15 credits of Social Studies, 5 credits of World Language, 20 credits of Health/Physical Education, 5 credits of Visual or Performing Arts, 5 credits of Practical Art /Career Exploration and 2.5 credits of Financial Literacy. All Montgomery High School students are required to schedule a minimum of 35 credits per year in grades 9 - 11 and a minimum of 30 credits in grade 12.

### WORLD LANGUAGES

#### AP

French VI AP  
German VI AP  
Spanish VI AP

#### HONORS

French V Honors  
German V Honors  
Latin IV Honors  
Spanish V Honors

#### CP

French II-IV  
German III-IV  
Spanish I-V  
Latin I-III  
Chinese I-IV

### SCIENCE

#### AP

Physics AP-C Mechanics and  
Electricity & Magnetism  
Chemistry AP  
Biology AP  
Environmental Science AP

#### HONORS

Physics Honors  
Chemistry Honors  
Biology Honors

iStem Adv. Scientific Investigations \*

#### CP

Physics  
Chemistry  
Biology  
Environmental Science

#### GEN ED

General Physics  
General Chemistry  
General Biology

### SOCIAL STUDIES

#### AP

U.S. History I-AP Part I  
U.S. History II-AP Part II  
AP US Government & Politics  
AP Art History  
AP Economics

#### HONORS

World Studies H  
U.S. History-1989-Present

#### CP

World Studies  
U.S. History I  
U.S. History II

#### GEN ED

Sociology  
Elements of Human Behavior  
Crime & Punishment  
American Film & Culture

### CAREER EXPLORATION

#### AP

Computer Science AP-A

#### CP

Basic Accounting  
Journalism I  
Business & Personal Law  
Intro to Entrepreneurship  
Financial Literacy  
Sports & Entertainment Marketing \*  
Intro to Computer Languages  
Foundations of JAVA  
Game Design & Application Develop.  
Webpage Design & Development  
Radio Broadcasting \*  
TV Productions I, II, III  
Intro to Culinary Arts  
The Art of Baking \*  
International Cuisine & Culture  
Fashion & Clothing  
The Class of LIFE  
Media & Graphic Communications I, II  
Architectural Design I, II  
Engineering Design &  
Materials Fabrication I, II  
Power, Energy & Transportation  
Robotics and Mechanical Systems  
Engineering Drawing & CADD  
Intro to Engineering \*  
Portfolio Project-Architecture  
Portfolio Project-CADD  
Portfolio Project-Engineering  
Portfolio Project-Media & Graphics

### HEALTH, SAFETY and PHYSICAL EDUCATION

Physical Education 9-12  
Health 9, 11, 12  
Drivers Education  
Peer Leaders \*

\* new for 2014-2015

### VISUAL, PERFORMING & TECHNICAL ARTS

#### AP

AP Art Studio

#### HONORS

Chamber Choir Honors  
Chamber Orchestra Honors  
Honors Portfolio  
Wind Ensemble Honors

#### CP

Advanced Photography  
Creative Expressions  
Blues to Beatles  
Ceramics I, II (II\*)  
Chamber Choir  
Chamber Orchestra  
Concert Orchestra  
Concert Choir  
Cultural Crafts  
Digital 2D Design  
Intro to Drama I & II  
MHS Chorale\*  
Photography I, II  
Public Speaking  
Studio I, II (II\*)  
Symphonic Band  
Symphonic Winds  
Wind Ensemble

### ENGLISH

#### AP

English 11 AP Language & Comp  
English 12 AP English Lit & Comp

#### HONORS

English Lit and Comp 9H  
English Lit and Comp 10H  
English Comp & American Lit 11H  
Senior Seminar/Contemporary Lit H

#### CP

English Lit & Comp 9  
English Lit & Comp 10  
English Comp & American Lit 11  
Senior Seminar/Selected Shorts  
Senior Seminar/Contemporary Lit

#### GEN ED

Expository Writing Workshop  
Creative Writing

*AP = Advanced Placement*

*CP = College Prep*

*GEN ED = General Education*

### MATHEMATICS

#### AP

Calculus AP-AB  
Calculus AP-BC  
Calculus AP-C  
Statistics AP

#### HONORS

Geometry Honors  
Algebra II Honors  
Precalculus Honors  
Honors Math Methods in Engineering and  
the Sciences \*

#### CP

Algebra I  
Geometry  
Algebra II  
Advanced Algebra/Trig  
Precalculus

Calculus  
Statistics  
Discrete Math

#### GEN ED

Math Connections  
Elements of Geometry  
Elements of Algebra II  
Elements of Advanced Algebra / Trig

# MONTGOMERY HIGH SCHOOL

## 2014 COLLEGE MATRICULATION

Alvernia University  
 American University  
 Auburn University  
 Baldwin Wallace University  
 Belmont University  
 BMS College of Engineering, Bangalore  
 Boston University  
 Bryn Mawr College  
 Bucknell University  
 Cabrini College  
 California Polytechnic State University  
 Carnegie Mellon University  
 Case Western Reserve University  
 Chapman University  
 Clark Atlanta University  
 Clarkson University  
 Clemson University  
 College of Charleston  
 College of the Holy Cross  
 College of William and Mary  
 Colorado State University  
 Columbia University  
 Cornell University  
 Davidson College  
 Dean College  
 Delaware Valley College  
 Dension University  
 Drew University  
 Drexel University  
 Duke University  
 Duquesne University  
 Elon University  
 Emory University  
 Fairleigh Dickinson University  
 Florida Southern College  
 Florida State University  
 Franklin and Marshall College  
 Furman University  
 George Mason University  
 Georgetown University  
 Gettysburg College  
 Haverford College  
 High Point University  
 Howard University  
 Immaculata University  
 Indiana University at Bloomington  
 Ithaca College  
 James Madison University  
 Johns Hopkins University

Johnson and Wales University  
 Kean University  
 Keene State College  
 Kutztown University of Pennsylvania  
 Lehigh University  
 Loyola University  
 Manhattan College  
 Marist College  
 Marymount University  
 Massachusetts Institute of Technology  
 McGill University  
 Miami University-Oxford  
 Middlesex County College  
 Millersville University of Pennsylvania  
 Misericordia University  
 Monmouth University  
 Montclair State University  
 New Jersey Institute of Technology  
 New York University  
 Northeastern University  
 Northwestern University  
 Ohio University  
 Palm Beach State College  
 Parsons The New School for Design  
 Pennsylvania State University  
 Philadelphia University  
 Pratt Institute  
 Princeton University  
 Quinnipiac University  
 Raritan Valley Community College  
 Rensselaer Polytechnic Institute  
 Rhode Island School of Design  
 Richard Stockton College of New Jersey  
 Rider University  
 Rochester Institute of Technology  
 Rogers Williams University  
 Rollins College  
 Rowan University  
 Rutgers, The State University  
 Sacred Heart University  
 Saint Joseph's University  
 Saint Louis University  
 Salisbury University  
 Savannah College of Art and Design  
 Seton Hall University  
 Smith College  
 Stevens Institute of Technology  
 SUNY College at Geneseo  
 Syracuse University

Temple University  
 The Art Institute of Charleston  
 The Catholic University of America  
 The College of New Jersey  
 The Culinary Institute of America  
 The George Washington University  
 The Ohio State University  
 The University of Alabama  
 The University of Georgia  
 Towson University  
 Trinity College  
 Trinity College Dublin  
 Tufts University  
 University of British Columbia  
 University of California  
 University of Colorado at Boulder  
 University of Connecticut  
 University of Delaware  
 University of Illinois at Urbana Champaign  
 University of Maryland  
 University of Massachusetts  
 University of Miami  
 University of Michigan  
 University of New Haven  
 University of North Carolina at Charlotte  
 University of Notre Dame  
 University of Pennsylvania  
 University of Pittsburgh  
 University of Rhode Island  
 University of Rochester  
 University of South Carolina  
 University of Toronto  
 University of Vermont  
 University of Virginia  
 University of Wisconsin  
 Valencia College  
 Valley Forge Military College  
 Vanderbilt University  
 Villanova University  
 Virginia Polytechnic Institute and  
 State University  
 Washington University in St. Louis  
 Wesley College  
 West Chester University of Pennsylvania  
 West Virginia University  
 Xavier University  
 Yale University  
 York College of Pennsylvania

### SCHOOL ADMINISTRATION

Nancy Gartenberg, Superintendent

Paul J. Popadiuk, Principal

Corie Gaylord, Vice Principal/Supervisor of Guidance

Kelly Apel, School Counselor

Carla Hampton, School Counselor

Naoma Green, Vice Principal

Maureen Conway, School Counselor

Jessica Ritson, School Counselor

Scott Pachuta, Vice Principal

Keith Glock, School Counselor

Patricia Musial, School Counselor

Damian Pappa, Vice Principal

Christine Grossmann, Student Asst. Counselor

Heather Pino-Beattie, School Counselor