

Princeton International School of Mathematics and Science

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2017-2018 School Profile

THE SCHOOL

Princeton International School of Math and Science (PRISMS), located in Princeton, NJ, is a comprehensive four-year international boarding and day school enrolling students in grades 9 to 12. PRISMS is accredited by Middle States. The school was founded in 2013, on the concept of combining the best of China's STEM education with the best of America's STEM education. PRISMS emphasizes the research and development process by reinforcing research skills, such as open-minded inquiry, problem-solving and innovation. Its first graduating class was in June 2016.

ADMISSIONS PROCESS

The PRISMS admissions process is selective. All applicants are interviewed and screened thoroughly. A completed file consists of an application, transcripts, teacher recommendations, standardized testing - SSAT (Secondary School Admissions Test) and interview. In addition, all international students must submit the TOEFL (Test of English as a Foreign Language) with required scores of 100 or higher.

RESEARCH PROGRAM

A core feature of the PRISMS educational experience is a four-year research and development program threaded through our four-year high school curriculum. Our aim is that students begin by learning research skills in order to better prepare them for meaningful research or development projects in grades 11 and 12. This we accomplish by integrating Research Skills into our 9th grade Bridging the Arts Science and Engineering (BASE) program, and through 10th grade core Science and Applied Engineering courses.

In grades 11 and 12 students can choose a topic in which to conduct research within one of our STEM Research and Development areas. Typically a student will begin working on a project in the 11th grade and continue it into the 12th grade.

ADVANCED CURRICULUM

All courses are taught at the honors, AP, and post-AP levels. PRISMS students must take the following classes to meet graduation requirements:

Subject	Credits	Subject	Credits
Biology	1	Mathematics	4
Chemistry	1	English	4
Physics	1	History	3
STEM Electives	3	Applied Engineering	2
Fine Arts	1	Research & Development	2
World Language	3		

1 credit is equivalent to 1 academic year length (2 semesters).

Advanced Placement Course Offerings:

- AP Biology
- AP Calculus BC
- AP Chemistry
- AP Computer Science A
- AP English Language and Composition
- AP Environmental Science
- AP Physics
- AP Statistics
- AP Studio Art: 2-D Design
- AP Studio Art: Drawing
- AP World History
- AP US Government and Politics
- AP US History

Courses Beyond Advanced Placement level:

Analytical Chemistry	Molecular Biology & Biotechnology
Differential Equations	Partial Differential Equations
Linear Algebra	Organic Chemistry & Biochemistry
Quantum Mechanics	Probability & Statistics
Graph Theory	Advanced Topics in Molecular Biology

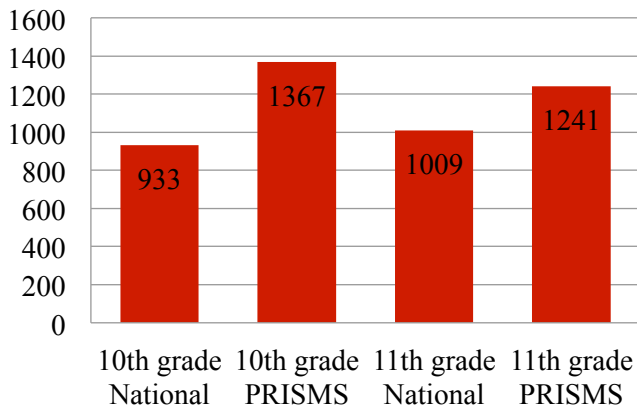
GRADING SYSTEM

The following scale represents the grading system for PRISMS. All staff and faculty members are required to comply with the listed ranges for each designated grade.

A	93-100	4.00	B+	87-89	3.33	C+	77-79	2.33	D+	67-69	1.33
A-	90-92	3.67	B	83-86	3.00	C	73-76	2.00	D	64-66	1.00
			B-	80-82	2.67	C-	70-72	1.67	F	below 64	0.00

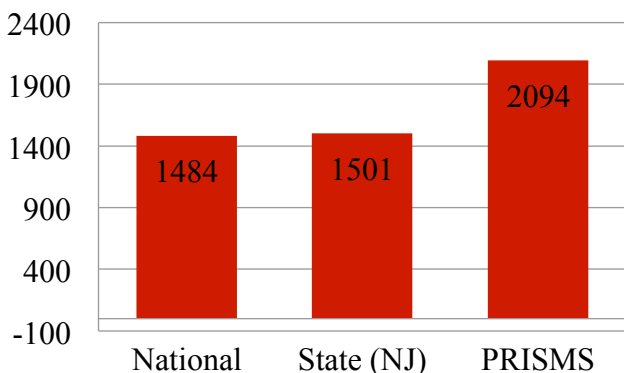
All Honors and AP-level courses are not weighted. PRISMS does not perform individual student ranking.

PSAT/NMSQT Mean Scores: Oct. 2016



PSAT/NMSQT 2016	10 th grade National	10 th grade PRISMS	11 th grade National	11 th grade PRISMS
EBRW*	468	632	507	533
Math	464	735	502	709
Total	933	1367	1009	1242

SAT Mean Scores: 2016



SAT 2017	National	State (NJ)	PRISMS
EBRW*	494	495	660
Math	508	514	790
Writing	482	492	644
Total	1484	1501	2094

* EBRW is Evidence-Based Reading and Writing (Redesigned PSAT/NMSQT, October 2015)

ACADEMIC DISTINCTIONS

PRISMS math and physics teams have won TOP 10 places in international competitions such as Science Olympiad, International Math Olympiad, Princeton University Mathematics Competition, Princeton University Physics Competition, Yale Physics Olympics, and Harvard/MIT Mathematics Competition.

May 2017 Advanced Placement Results**:

AP Exam 2015	Students Tested	Students Scoring 5	Students Scoring 4	Mean Score
Biology	13	9	4	4.0
Chemistry	8	8	0	5.0
Physics C: Mechanics	8	8	0	5.0
Physics C: Electricity & Magnetism	7	4	2	4.4
Physics 1 and 2	1	1	0	5.0
Calculus BC	20	20	0	5.0
Comp. Science	12	8	1	4.3
Eng. Lang. Comp.	8	3	2	4.0
Statistics	6	6	0	5.0
US History	5	1	1	3.6
Chinese Language	1	1	0	5.0
Microeconomics	5	3	1	4.4

**On May 2017, 66% of students participated in AP examinations.

SAT II Subject Test Scores:

Subject	Students Tested	Mean Score
Biology	2	775
Chemistry	7	781
Math Level I	3	700
Math Level II	11	786
Physics	4	755
U.S. History	2	705

References:

PSAT 10: Understanding Scores 2017:

<https://collegereadiness.collegeboard.org/pdf/psat-10-understanding-scores-2017.pdf>

SAT 2016 National & NJ State Profile Report:

<https://reports.collegeboard.org/pdf/nj16030301.pdf>

College & University Acceptances – Class of 2016-2018

Bolded indicates college matriculation

Andrews University

Berklee College of Music

Binghamton University

Boston University

Brown University

California Institute of Technology

California Polytechnic State University,

San Luis Obispo

Carnegie Mellon University

Case Western Reserve

Clark University

Colorado School of Mines

Columbia University

Cornell University

Cornell University (Architecture)

Cornell University (College of Engineering) (2)

Drexel University

Duke University

Eckerd College

Florida Institute of Technology

Fordham University

George Washington University

Georgia Institute of Technology

Harvey Mudd College

Haverford College

Howard University

Illinois Institute of Technology (3)

Imperial College London

Indiana University at Bloomington

Johns Hopkins University

Kettering University

Lafayette College

Loyola University Chicago

Massachusetts Institute of Technology (3)

New York University

Northeastern University

Oberlin College of Arts and Sciences

Ohio Wesleyan University

Pratt Institute

Pennsylvania State University

Princeton University

Purdue University

Rensselaer Polytechnic Institute (3)

Rice University

Ringling College of Art and Design

Rochester Institute of Technology

Rose-Hulman Institute of Technology

Rutgers University-New Brunswick

Savannah College of Art and Design

School of The Art Institute of Chicago

School of Visual Arts

Tufts University

University of Arizona

University of California, Berkeley (5)

University of California, Davis

University of California, Irvine

University of California, Los Angeles

University of California, San Diego (4)

University of California, Santa

Barbara

University of Chicago (2)

University College of London

University of Colorado at Boulder

**University of Illinois at Urbana-
Champaign**

University of Kyoto

University of Maryland, College Park

University of Massachusetts, Amherst

University of Miami

University of Michigan (2)

University of Minnesota, Twin Cities

**University of North Carolina at
Chapel Hill**

University of Notre Dame

University of Pennsylvania

University of Pittsburgh

University of Rochester

University of Southern California

University of Toronto

University of Vermont

University of Virginia

University of Warwick

University of Washington

University of Wisconsin

Villanova University

Virginia Tech

Washington University in St. Louis

Worcester Polytechnic Institute