



Morris Knolls High School

50 Knoll Drive
Rockaway, NJ 07866
CEEB Code - 311321

School Profile ~ 2016-17

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www.mhrd.org/mkhs

School and Community

Morris Knolls High School, founded in 1964, is one of two four-year comprehensive high schools that comprise the Morris Hills Regional District. Total enrollment in grades 9 through 12 for the 2016-2017 school year is 1571 students. There are 405 students in the graduating class of 2017. Morris Knolls High School serves the residential communities of Denville and Rockaway Township. This section of northwestern Morris County, which is 35 miles west of New York City, offers a blend of cosmopolitan living in a suburban setting.

Curriculum

Programs offered at Morris Knolls High School are designed to meet the needs and abilities of all students. Twenty-four Advanced Placement and twenty-three honors courses are offered. In addition to the rigorous academic curriculum, we offer a work-study program that serves as a gateway to infuse real life work experiences into the classroom. Technical programs are also available through a "shared" arrangement with the Morris County School of Technology. Morris Knolls High School offers a full range of varsity sports and extra-curricular activities.

International Baccalaureate (IB)

Morris Knolls High School became an IB World School in 2009. The IB Diploma Program is an internationally recognized, rigorous curriculum completed during the junior and senior years. Morris Knolls students enter the IB program in their freshman year through a competitive admissions process and take extensive honors coursework in preparation for the IB sequence. All Diploma Program students are required to take six IB courses each in their junior and senior years, complete 150 hours in the Community Action-Service program and write a scholarly 4000 word extended essay. Students must also complete a series of internal and external assessments in order to earn the IB Diploma. The IB Program is among the most challenging courses of study offered at Morris Knolls.

High School Graduation Requirements

Students must complete 140 credits, 20 credits above the established state guideline, and obtain a passing score in a English Language Arts and Mathematics assessment (PARCC, PSAT, SAT, ACT Aspire, ACT, Accuplacer, or ASVAB) in order to earn a diploma. Students are required to carry a minimum of 35 credits each academic year. Morris Knolls classes run on a two day alternating Block Schedule with four 88-minute class blocks on each day. The full year courses run from September through June for 5 credits while semester courses earn 2.5 credits.

Content Area	Credits Required For Graduation	Most Rigorous Courses Offered (Advanced Placement & IB)
English	20 credits (4 years)	AP English – Language & Composition AP English – Literature & Composition IB English HL, SL
World Languages	5 credits (1 year)	IB Spanish SL AP Spanish Language IB French SL AP French Language IB German SL
Mathematics	15 credits (3 years)	IB Math SL AP Calculus AB AP Calculus BC AP Statistics
Science	15 credits (3 years)	IB Biology HL AP Chemistry IB Chemistry SL AP Physics 1 IB Physics SL AP Physics C AP Biology AP Environmental Science
Social Studies	15 credits (3 years)	IB History HL AP U.S. History IB Psychology HL, SL AP Psychology IB Theory of Knowledge AP US Gov't and Politics AP European History AP Human Geography
Physical Education/Health & Safety	20 credits (4 years)	
Visual & Performing Arts	5 credits (1 year)	AP Art History IB Theatre Arts HL, SL AP Music Theory AP Studio Art: 2D IB Music HL, SL AP Studio Art: Drawing
Computer Literacy	5 credits (1 year)	AP Computer Science A AP Computer Science Principles
21 st Century Life and Careers	5 credits (1 year)	
Personal and Financial Literacy	2.5 credits (1/2 year)	AP Economics

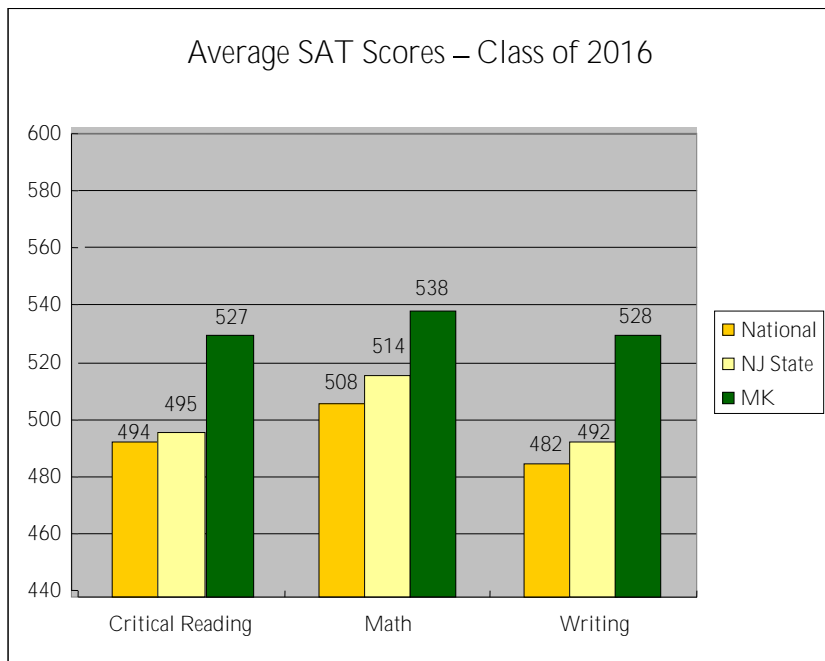
Honors and Advanced Coursework

English 9, 10, 11 H
Accelerated Spanish H
Spanish 3 H
Spanish 4 H
Accelerated French H
French 3 H
French 4 H
Accelerated German H

German 3 H
German 4 H
Geometry H
Algebra 2 H
Precalculus H
Calculus & Analytic Geometry H
Calculus 3 Multivariable H

Biology 1 H
Chemistry 1 H
World History H
US History 1 H
College Accounting 1 H
College Accounting 2 H

Class of 2016 Profile



MKHS Class of 2016 ~ Statistics	
Members of the Senior Class	357
Highest Cumulative GPA	103.6
Average Cumulative GPA	88.5

Recognition	
National Merit Scholarship Program: Commended Students	5
National Honor Society Members	81

AP Scholars: In July 2016, fifty-eight students earned AP Scholar Awards in recognition of their exceptional achievement on the Advanced Placement Exams. Thirty students were identified as AP Scholars, ten as AP Scholars with Honor, eighteen as AP Scholars with Distinction and five as National AP Scholars.

Class Rank/GPA: All courses are included in class ranks/GPA calculation, with the exception of Physical Education and any courses taken on a pass/fail or audit basis.

Weighting: Honors/Advanced courses earn an extra 5 points in GPA calculation and are designated on the transcript with an “A or H” at the end of the course name. Our Advanced Placement and IB courses earn an extra 10 points in GPA calculation and are designated on the transcript as AP and IB.

Grading System: Students earn grades based on a quarter system. Final grades are calculated by averaging each of the four quarters and four quarterly benchmark assessments/projects. Each quarter grade is worth 20% of the final course grade while the quarterly benchmark assessments/projects are worth 5% of the final grade. Grades may be interpreted as follows:

2016 Advanced Placement Outcome	
Number of students taking at least one AP Exam:	224
Total number of exams taken:	411
Percentage of students scoring 4 or 5	56%
Percentage of students scoring 3 or better:	83%

A	90-100	AU	Audit
B	80-89	P or PS	Pass
C	70-79	F	Fail
F	< 70	I	Incomplete

GT	Gifted Talented/Independent Study
DF/DP	Drop Fail/Pass (loss of credit due to attendance)
WF/WP	Withdrawal Fail/Pass (withdrawal after deadline)

Class of 2016 Post-Secondary Plans

Post-Secondary Plans	Number of 2016 Graduates	Percent of 2016 Graduates
4 year College	228	64.2%
2 year College	97	27.3%
Technical/Trade School	10	2.8%
Military	3	.9%
Full-Time Employment	10	2.8%
Other	7	2%
Total	355	100%

Class of 2016 Schools of Further Education

Arizona State University	Michigan State University	The Kubert School
Barnard College	Middle Tennessee State University	The University of Arizona
Baylor University	Monmouth University	Temple University
Bergen Community College	Montclair State University	Towson University
Bloomsburg University of PA	Morris County School of Technology	Tulane University
Boston Conservatory	New Jersey Institute of Technology	Universal Technical Institute
Brandeis University	New York University	University of California, Los Angeles
Brown University	Northeastern University	University of Connecticut
Bucknell University	Ohio State University	University of Delaware
Caldwell University	Old Dominion University	University of Florida
California Polytechnic University	Pennsylvania College of Technology	University of Massachusetts Amherst
Centenary College	Pennsylvania State University	University of Michigan
Clarkson University	Philadelphia University	University of New Haven
College of St. Elizabeth	Plymouth State University	University of Northern Colorado
Cornell University	Pratt Institute	University of Pittsburgh
County College of Morris	Princeton University	University of Rhode Island
DigiPen Institute of Technology	Quinnipiac University	University of San Diego
Eastern Connecticut State University	Radford University	University of Southern California
East Stroudsburg University of PA	Ramapo College of New Jersey	University of Tampa
Fairleigh Dickinson University	Rensselaer Polytechnic Institute	University of Tennessee
Fashion Institute of Technology	Roanoke College	University of Vermont
Florida State University	Rochester Institute of Technology	University of Wyoming
Grove City College	Roger Williams University	Utica College
High Point University	Rowan University	Villanova University
Hofstra University	Rutgers University	Virginia Polytechnic University
Indiana University of Pennsylvania	Sacred Heart University	Wagner College
Ithaca College	Saint Joseph's University	Wake Forest University
James Madison University	Saint Peter's University	Warren Wilson College
Johnson & Wales University	School of Visual Arts	Wentworth Institute of Technology
Kean University	Seton Hall University	West Chester University of PA
Kutztown University	Stevens Institute of Technology	West Virginia University
Marist College	Stony Brook University	Wilkes University
Marietta College	SUNY - Cortland	William Paterson University
Maryland Institute College of Art	Syracuse University	Yale University
Marywood University	The College of New Jersey	



IB diploma candidates pursue the **most rigorous course of study** available at Morris Knolls High School. A full **92%** of our diploma candidates earn the prestigious **International Baccalaureate Diploma** compared to the national average of **78%**. These students gained admission to universities such as **Harvard, Yale, Princeton, Cornell, Johns Hopkins, University of Chicago and Columbia**. IB students successfully develop the ability to think, write and act critically but creatively, understand the global context of their studies and have actively used these skills to better their local communities. **In short, these students have the skills that are necessary to be competitive and productive citizens of a 21st century global community.**



All IB Diploma students are required to complete advanced coursework in the above designated areas. **Three (3)** are taken at the **standard level (SL)**, which covers a broad range of topics within a subject area. **Three (3)** are taken at the **higher level (HL)** which covers fewer topics to a greater level of depth.

In addition to their general coursework, all IB Diploma students are required to complete the following:

- **Extended Essay** is a **4000 word (20 page)** original in-depth study of a question relating to one of the subjects they are studying.
- **Creativity, Action, Service (CAS)** requires that students actively learn from the experience of doing real tasks beyond the classroom in **150 hours** of service to the community.
- **Theory of Knowledge** is a course designed to encourage each student to reflect on the nature of knowledge by critically examining different ways of knowing (perception, emotion, language and reason) and different kinds of knowledge (scientific, artistic, mathematical and historical).

IB Course Offerings 2016-2017

Group 1: English
English SL/HL

Group 2: World Language
French SL
German SL
Spanish SL

Group 3: Individuals and Society
History of the Americas HL

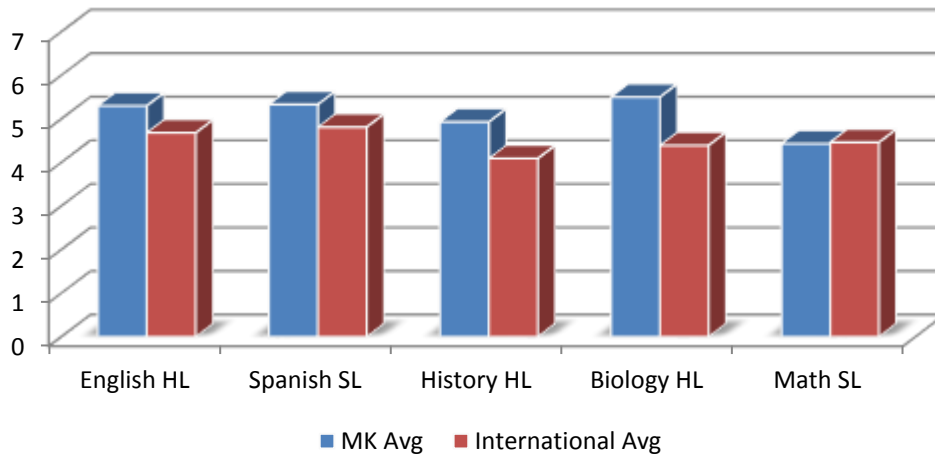
Group 4: Experimental Sciences
Biology SL/HL
Chemistry SL
Physics SL

Group 5: Mathematics
Mathematics SL

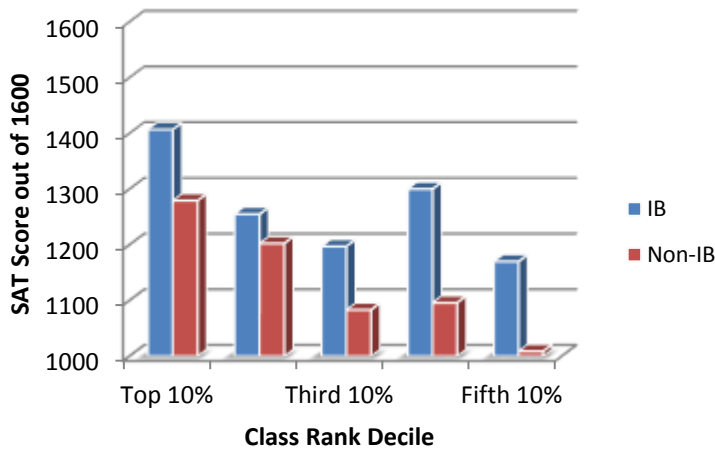
Group 6: Arts or Electives
Psychology SL/HL
Theatre Arts SL/HL
Music SL/HL



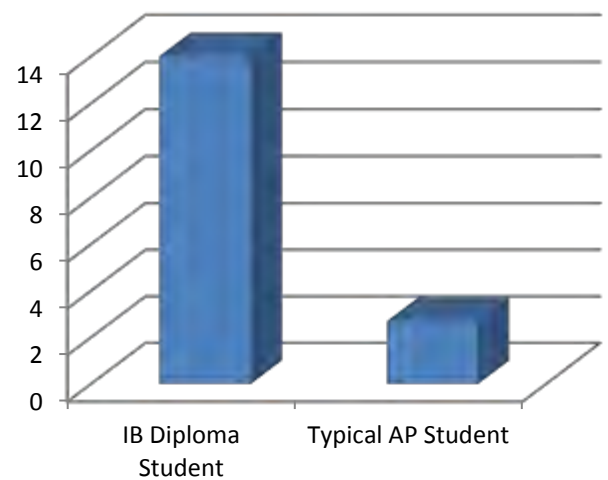
Comparison of Morris Knolls and International Student Performance on IB Assessments



Comparison of SAT Scores for IB and non-IB Students by Class Rank Decile



Number of High School Classes taken at the AP/IB Level Class of 2015



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