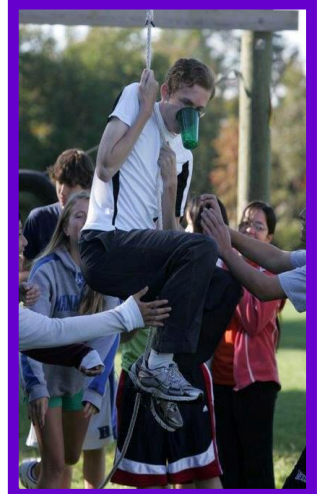


Biotechnology High School

Monmouth County Vocational School District

An International Baccalaureate World School



Accredited By The Middle States Commission

Ranked as #17 Best High School in Nation by US News



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Prospectus 2012-2013

Mission Statement

Biotechnology High School, an International Baccalaureate World School, integrates life sciences into a rigorous curriculum that inspires students toward open-minded participation in the global community and prepares students for higher education and leadership in an increasingly demanding workplace, through scholarly research, original investigations, and interactive partnerships.

School & Community

Founded in 2005, Biotechnology High School (BTHS) is one of five Career Academies in Monmouth County Vocational School District (MCVSD). Students admitted to the MCVSD Career Academies, including BTHS, are selected through a highly competitive application and admissions process. Currently ranked #17 on *US News* "Best High Schools in America" list, BTHS became an IB World School in 2007 and has been accredited by the Middle States Commission on Secondary Schools since its inception.

Biotechnology High School features two state of the art biotechnology labs and a rigorous college preparatory curriculum that includes eight mandatory laboratory science classes. With a programmatic emphasis on research, laboratory skills, critical thinking, problem solving, technology, leadership and teamwork, BTHS provides students with an elite educational experience.

More than eighty percent of the Class of 2012 selected college majors in biological sciences, physical sciences, engineering or pharmacy. BTHS has articulation agreements with New Jersey universities as well as internship partnerships with many top bio/pharmaceutical companies in the state. All junior and senior students at BTHS are International Baccalaureate (IB) Diploma Candidates.

BTHS Highlights

- 96% of the Class of 2012 earned their IB Diploma.
- Ranked as #2 in *U.S. News & World Report's* "Best High Schools in New Jersey"
- Ranked as #17 in *U.S. News & World Report's* "Best High Schools in America"
- 18% of BTHS faculty hold a doctoral degree
- 94% of freshman achieved Advanced Proficient on the Biology End of Course Assessment
- 25% of the class are National Merit Commended Scholars
- 4 Commended Merit Semifinalists (finalists will be announced in March 2013)
- Jersey Shore Science Fair – 42 award winners (7 first place)
- Delaware Valley Science Fair – 14 award winners (1 first place)
- Intel International Science and Engineering Fair – 1 award winner
- All 9th & 10th grade students are assigned a faculty mentor and participate in weekly Advisor Group meetings
- All 11th & 12th grade students take on leadership roles in Advisor Groups
- More than 20 clubs and co-curricular activities
- Annual field trips associated with grade level curriculum
- Curricular infusion of Project Adventure teambuilding and challenge activities
- Active involvement of parents in the academic and social growth of students



Excellence Is In Our DNA

Curriculum

BTHS classes are taught in a block scheduling format and are either full year or semester long. All 9th & 10th grade courses are taught at the honors level. Beginning in grade 11, all students are IB Diploma Candidates. As IB Diploma Candidates, students are required to take six IB courses (three higher level and three standard level), write a 4,000 word senior thesis, and complete 150 creativity, action, and service (CAS) hours. To earn the IB diploma, students need to achieve superior scores on externally assessed exams, projects and essays.

Graduates of BTHS complete 160 credit hours of instruction, including a minimum of 45 credit hours in laboratory sciences and mandatory coursework in leadership and ethics.

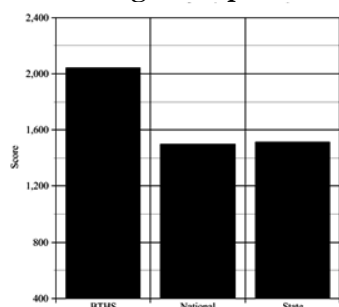
In addition, each senior completes a science-based, senior internship. Partner sites this year include Bristol-Myers Squibb, Rutgers University, Monmouth Medical Center and Robert Wood Johnson University Hospital.

Grading System & GPA

The grade point average, computed at the end of each year, is non-weighted and includes all courses. GPAs are based on a 100-point scale system. MCVSD policy prohibits the assignment of rank.

Summary of Test Results - Class of 2012

SAT Average Composite Score



SAT Reasoning Mean Score Summary

Critical Reading: 675 Math: 681 Writing: 674

ACT Average Composite Score

BTHS: 28.9 State: 23.4 National: 21.1

IB Assessment Scores

Subject	BTHS Mean	International Mean
Spanish	5.27	4.81
Mathematics	4.55	4.66
Biology	5.72	4.39
Chemistry	4.05	4.58
Physics	5.31	4.66
English	4.86	4.69
History	5.00	4.60

College Matriculation - Class of 2012

100% of the Class of 2012 enrolled in four-year colleges/universities

Albany College of Pharmacy	Elon University	New Jersey Institute of Technology
American University	Florida Institute of Technology	The College of New Jersey (3)
Amherst College	University of Florida	New York University
Arcadia University	George Washington University	Pennsylvania State University (2)
Boston College	Georgetown University	University of Pennsylvania
Boston University (2)	Georgia Institute of Technology	Point Park University
Brown University	Hamilton College - NY	Princeton University
University of California at Berkeley	Haverford College	Ramapo College of New Jersey (4)
University of California at Los Angeles	Johns Hopkins University	Rice University
University of California at San Diego	Lafayette College (2)	University of Richmond
College of Charleston	University of Mary Washington	Rutgers University at New Brunswick (19)
Columbia University	University of Maryland, College Park (2)	University of Southern California
Cornell University	University of Massachusetts, Amherst	Stevens Institute of Technology
University of Delaware	McGill University	Yale University
Duke University (2)	University of Michigan (2)	

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Deputy Director

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Anthony J. Schaible
Assistant Superintendent

Collette C. Flatt
School Business Administrator/Board Secretary

The Monmouth County Vocational School District does not discriminate on the basis of race, creed, color, national origin, ancestry, age, marital status, affectional or sexual orientation, gender, religion, disability, or socioeconomic status.



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