

# ***Biotechnology High School***

## ***Class of 2013 Profile***

### ***Monmouth County Vocational School District An International Baccalaureate World School***

#### ***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



*Excellence Is In Our DNA*

#### ***Curriculum***

BTHS classes are taught in a block scheduling format and are either full year or semester long. All 9<sup>th</sup> & 10<sup>th</sup> 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.

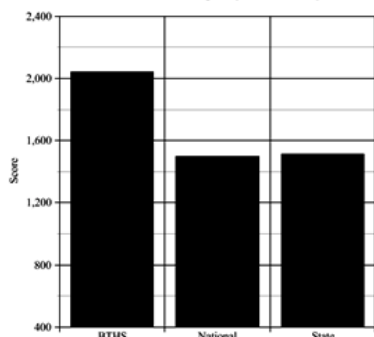
Graduates of BTHS complete 160 credit hours of instruction, including a minimum of 45 credit hours in laboratory sciences and mandatory coursework in leadership and ethics. In addition, each senior completes a science-based, senior internship. Partner sites this year include Bristol-Myers Squibb, Rutgers 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	University of Michigan (2)
American University	Florida Institute of Technology	New Jersey Institute of Technology
Amherst College	University of Florida	The College of New Jersey (3)
Arcadia University	George Washington University	New York University
Boston College	Georgetown University	Pennsylvania State University (2)
Boston University (2)	Georgia Institute of Technology	University of Pennsylvania
Brown University	Hamilton College - NY	Point Park University
University of California at Berkeley	Haverford College	Princeton University
University of California at Los Angeles	Johns Hopkins University	Ramapo College of New Jersey (4)
University of California at San Diego	Lafayette College (2)	Rice University
College of Charleston	University of Mary Washington	University of Richmond
Columbia University	University of Maryland, College Park (2)	Rutgers University at New Brunswick (19)
Cornell University	University of Massachusetts, Amherst	University of Southern California
University of Delaware	McGill University	Stevens Institute of Technology
Duke University (2)		Yale University

*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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