

# Kathryn Eiermann

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## Objective

To obtain a science or mathematics teaching position.

## Education

University of Delaware, Newark, DE

Bachelor of Arts in Biology Education

Licensure/Certification: NJ CEAS Biology (K-12) #837749;

NJ Provisional Elementary (K-5): #885318,

NJ Provisional Middle School Science (5-8): #885319

PA Instructional I: Biology 7-12

## Teaching Experience

Math (Grades 5-8) and Science (Grades 1-3) Teacher

Solomon Schechter Day School of Greater Monmouth County, Marlboro, NJ

2013-2014  
School Year

- Developed and implemented a laboratory-based and differentiated science curriculum for grades 1, 2, and 3.
- Revised school mathematics curriculum in order to align to Common Core Standards.
- Presented a SMARTBoard workshop during a professional development seminar.
- Co-advised student teams for school and state-wide mathematics competitions.
- Included STEM and language arts-based projects in math and science to reinforce cross-cutting concepts.
- Modified instruction for students with IEP and 504 plans based on specific developmental needs.
- Participated in professional development days, content-specific PLC's, and school field trips.
- Integrated technology into the classroom using SMARTBoards, iPads, and document cameras.

Long-Term Substitute – 6<sup>th</sup> grade science

Montgomery Lower Middle School, Skillman, NJ

November 2012-  
April 2013

- Developed and implemented engaging and differentiated lessons in Earth Science and Astronomy for 6<sup>th</sup> grade students based on Common Core Standards.
- Co-taught students with an in-class support teacher.
- Created a back-to-school night for parents in November 2012.
- Integrated various forms of technology into daily lessons.

Long-Term Substitute- 6<sup>th</sup> grade science  
Carl Sandburg Middle School, Old Bridge, NJ

February 2012  
-June 2012

- Developed and implemented engaging and differentiated lessons in Earth Science for 6<sup>th</sup> grade students based on Common Core Standards.
- Participated in professional learning communities, parent conferences, and professional development days.
- Integrated technology into daily lessons.

Student Teacher  
Appoquinimink High School, Middletown, DE

Spring 2011

- Developed and implemented engaging and differentiated lessons in biology and chemistry for a heterogeneous group of 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grade students.
- Created and implemented a unit plan on the topic of DNA based on the Coordinated Science II-Honors curriculum.
- Implemented the co-teaching model with cooperating faculty member for AP Biology, Honors Biology and Coordinated Science II Honors.
- Solo-taught a Coordinated Science II-Honors class for five weeks.

### **Additional Experience**

Academic Camp Counselor and Instructor  
Rutgers SPARK program (Summer Program at Rutgers for Kids) Rutgers, NJ

Summer 2012  
Summer 2013

- Taught three science classes for Rutgers Future Scholars Program.

AVID Tutor  
Monroe Township High School, Monroe Township, NJ

December 2011-  
February 2012

- Implemented strategies consistent with the AVID tutoring method for at-risk students.

Summer Internship at Merck and Co, Inc., Rahway, NJ

Summer 2010

- Conducted research for the treatment of hypertension, diabetes, and obesity.
- Presented an analysis of the effectiveness of a compound in biological models in a department seminar.

### **Professional Development**

DuPont Scholarship to attend NSTA Conference

March 2011

Founding member of National Science Teacher Association-  
Student Chapter at UD

Spring 2011

- Member of the executive board of NSTA-Student Chapter at UD

Learner's Edge Professional Development Course

Summer 2013

Course in SMARTBoard and SMARTNotebook Software

Spring 2014