

# JOANNA EICHENWALD

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105 Byrne Dr.  
Phoenixville, PA 19460

## **EDUCATION**

Boston University: Master of Arts in Teaching, Mathematics Education (September 2004)  
University of Delaware: BS Mechanical Engineering (May 1999)

## **TEACHING EXPERIENCE**

FULL TIME: Wayland High School (August 2004 – June 2006)

- Taught College Algebra II, Honors Algebra II and Introductory Geometry
  - Focused on student centered and cooperative learning and effective use of technology
  - Collaborated with peers to expand teaching methodologies and to revise and improve course curriculum
  - Tutored METCO (Metropolitan Council for Educational Opportunity) students from Boston after school

PRACTICUM: Framingham High School (February – May 2004)

- Taught two Algebra II College Prep-1 Courses
- Co-taught one Level 2 Integrated Math Course
- Participated in peer and departmental collaborations and professional development days

## LICENSURE

- Pennsylvania Licensure - Instructional I Mathematics 7-12 (February 2017)
- Massachusetts Initial License (October 2004)

## **ADDITIONAL EXPERIENCE**

### TUTORING

- Independent Tutor (October 2010 to Present ~ 50 students)
  - Pre-Algebra, Algebra I, Algebra II, Geometry, and Pre-calculus
- Tutor for Prime Academics (September 2012 – June 2014)

### PEARSON EDUCATION, INC.

#### Error Checker

- Reviewed all text and exercises for accuracy and clarity
- *Mathematics All Around* and Solution Manual to *Mathematics All Around 6<sup>th</sup> Edition* (2016-2017)
- *Bittinger Intro and Intermediate Algebra 5<sup>th</sup> Edition* (2013)
- *Mathematics All Around 5<sup>th</sup> Edition* (2012)

### ENGINEERING - AIR PRODUCTS AND CHEMICALS INC.

#### Gas Systems Engineer - Intel (October 2000 to July 2003)

- Liaison between Air Products and Intel management for major projects and process parameter evaluations
- Qualified numerous self-authored technical papers regarding installation of equipment and process comparison
- Coordinator for inert gas changes without impacting quality of product or tool functionality
- Gas Site Improvement Team lead, focusing on safety, reliability, capacity and cost savings opportunities
- Conducted “root cause” exercises to eliminate reoccurring system problems

#### Project Engineer – Liquid Natural Gas Plant (April 2000 to October 2000)

- Created project installation specifications, change notices, and budgets and reviewed bid packages

#### Stress Engineer – Gas Equipment Group Plant Design (August 1999 to April 2000)

- Worked with a team of designers and engineers to modify and design the layout of pipe work and supports to create a safe and economical plant design

## **ACHIEVEMENTS**

- Passed Fundamentals of Engineering Exam