

Brittany Miller
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EDUCATION

Ball State University; Muncie, IN

Masters in Secondary Education in Science

May 2016

License for Secondary Education, Life Science, Chemistry

Pending

Gwynedd Mercy University; Gwynedd Valley, PA

Bachelor of Science in Biology and minor in Chemistry

May 2015

Awards: Dean's List, Spring 2012

STUDENT TEACHER EXPERIENCE

Woodrow Wilson Teacher Fellowship; Ball State University

Fellow

May 2015- Present

- Earned master's in Secondary Education in Science for both biology and chemistry
- Gained skills for differentiated instructions, inquiry-based learning, and co-teaching strategies
- Developed skills in co-teaching and planning of lessons for both biology and chemistry incorporating other subject skills in lessons
- Participated in clinical practice at Muncie Central High School

Muncie Central High School; Muncie IN

Student Teacher

August 2015- May 2016

- Instructed two classes of biology and one class of chemistry, overall a total of 62 students grades 9-12th
- Provided assistance to clinical faculty teachers with grading, class management, and supplementary co-teaching
- Created and taught lesson plans regularly for chemistry, biology and ICP
- Attended and participated in the district in-service and faculty meetings, including professional development days
- Created and implemented complete project-based unit plan for ICP course on Newtonian Laws of Motion

PROFESSIONAL DEVELOPMENT

Hasti Conference

February 2016

- Ramping and Rigor high school biology
- Genetics

Ball State University

Summer 2015

Marzano Development

- Professional Development Workshop Co-Teaching Mentoring Model II
- Workshop for Co-Teaching Mentoring Model I

Mentor Workshop

- Certification in Suicide Prevention and CPR

WORK EXPERIENCE

Natural and Computational Science Division; Gwynedd Valley, PA

Laboratory Assistant

Fall 2010-May 2015

- Take apart and set up lab equipment each week
- Assist biology professors with tasks such as making bacteria cultures
- Follow procedures to ensure safety in lab environment

Science Explorers; Whitemarsh Elementary, PA

Co-Instructor

January- May 2015

- Provides opportunities for elementary students to perform hands on science experiments.
- Assist in setting up the experiments and helping the students perform the activity
- Teach students about the science related to the fun activity

Research; Gwynedd Valley, PA

Student

Fall 2010-May 2015

- Ecological research: test the parasitic abundance of fish population in local creek
- Biological research : research and perform different parasitic staining techniques
- Genetic Research: research mutations and gene location in *Drosophila*
- Molecular Research: design experiment for microglia cells phenotypic traits

LABORATORY SKILLS

- Dissection
- Cellular culturing
- Spectrophotometry
- Titration
- RT-PCR
- Electrophoresis
- Gas and Paper Chromatography
- Recrystallization

Related course work: General Biology, General Chemistry, Organic Chemistry, Physics, Physiology, Virology, Microbiology, Calculus, Molecular Biology, Genetics, Developmental Biology