

Jessica Claire

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SUMMARY

Hands-on Science Teacher committed to promoting student learning with diverse instructional plans and activity plans. Bringing two years experience as a 7th grade life science teacher, over six years of experience as a Histology/Laboratory Technician in a research laboratory, and one year of experience as a Curriculum Development Educator creating project-based learning lessons for students interested in STEM careers. Several years of training and mentoring high school and college students, while employed as a Histology Technician, in the functions of a scientific laboratory and opportunities in STEM careers. Multiple semesters of student teaching in various grade levels and subjects as required by the edTPA program through Athens State University.

SKILLS

- Parent and student communication
- Program and classroom management
- Instruction and leadership
- Curriculum development
- STEM Project-Based Learning
- Course material development
- Differentiated science instruction
- Hands-on learning
- IEP familiarity
- Reporting and documentation

EXPERIENCE

7TH GRADE LIFE SCIENCE TEACHER

08/2020 to CURRENT

Osf Healthcare | Washington, IL

- Adapted teaching methods and instructional strategies to promote learning in students of differing skill levels.
- Administered tests, quizzes and other assignments to gauge students' learning and knowledge of course materials.
- Delivered clear, informative lectures on subject matter framed to meet state standards.
- Assessed student progress with course material through routine quizzes, final examinations and standardized assessments.
- Formed, facilitated, and led student group through new establishment of STEM program and club while mentoring individual learners.

HISTOLOGY TECHNICIAN

12/2014 to 07/2020

Aegion Corp | Orlando, FL

- Developed hundreds of custom tissue micro arrays for clients and research purposes.
- Responsible for creating microscope slides from hundreds of tissue blocks per day for in-house pathologists to review in order to verify accurate research criteria.
- Mentored a team of high school and college interns on daily, weekly, and monthly tasks to teach the basic functions of a scientific research laboratory in order to create interest in pursuing a career within the STEM fields.
- Created Standard Operating Procedures (SOPs) for the processes in the histology department.

CURRICULUM DEVELOPMENT EDUCATOR

12/2018 to 11/2019

Tennessee Valley Authority, TVA | City, STATE

- Developed environmental science curricular units that align with the Alabama Course of Study.
- Created Project-Based Learning lessons to investigate the environmental issues that can arise surrounding a nuclear power plant, and to explain the different STEM career options within TVA and the EPA to promote student interest in STEM careers.
- Selected from a large group of submissions to present this curriculum at the Alabama Science Teacher Association Conference in Fall 2019.
- Project-Based Learning lessons were selected from a large group of submissions to be posted on the TVA STEMready website as a resource for other science teachers within the State of Alabama.

LABORATORY TECHNICIAN

01/2014 to 12/2014

Conversant Biologics | City, STATE

- Identified cell counts by use of hemocytometer and cellometer for peripheral blood mononuclear cells and for bone marrow mononuclear cells.
- Conducted lab tests and pipetting for plasma, serum, and urine samples.
- Successfully completed up to 100 rounds of enzyme-linked immunosorbent assay for Hepatitis-B, Hepatitis-C, and HIV.

EDUCATION AND TRAINING

Bachelor of Science | Biology Education

05/2020

Athens State University

Magna Cum Laude, GPA: 3.79

Bachelor of Science | Biological Science: Exercise Physiology

12/2013

University of Alabama, Huntsville

Associate of Science

12/2010

Wallace State Community College

ACCOMPLISHMENTS

- TVA STEMready Grant – Awarded Spring 2020
- Presenter at Alabama Science Teacher Association- Fall 2019
- Project Based Learning Lessons (PBLs) chosen to be posted as a teacher resource on TVASTEM.com
- PBLs presented at Alabama Council for the Social Studies – Fall 2019