



SUSAN ROPH

PHYSICS TEACHER

Summary

To utilize my varied background and experience in educational technology and curricular instruction to support colleagues and students with leveraging technology in the education environment while facilitating student growth as 21st century learners.

Work Experience

Physics Tutor

ABC Corporation - February 2011 – May 2011

- Tutored undergraduate students in Mechanics, Electricity/Magnetism, and Thermodynamics.
- Assisted students in their critical thinking and problem-solving skills.
- Managed to trace the projectiles path through different numerical solutions Euler, EulerCromer, and midpoint method.
- Tutored physics and mathematics.
- Helped students understand physics more intuitively by guiding them through problems with pictures and leading questions.

- Communicated with students to fully understand their needs Kept confidential student information and represented the college professionally
- Helped students realize how basic physics governs all other sciences.

Physics Tutor

Delta Corporation 2006 – 2011

- Provide assistance to students in need of help with introductory Physics and Astronomy courses.
- Review and reteach university level physics.
- Skills Used A wide range of math and problem solving skills.
- Projects Numerical Simulation of the Bouncing Bomb A WWII British scientist thought to determine the critical angle of a projectile that would impact the waters surface and continue to ricochet after the initial impact.
- He later discovered that by adding back spin would increase the critical angle needed for the projectile to ricochet.
- This was my final project I decided to do for a computational class (PHYS240) in spring of 2015.
- Magnetic Nano Wires Templates As part of a research team our goal was to create magnetic nano wires used to improve the capabilities of current electronic device.

Education

09/2013 - 07/2018

Certification in Physics - May 2010(Rutgers University)B.E. in E And M.E - May 2006(Stevens Institute Of Technology)

- Bachelor of Science (B.S) in Zoology from XXX University, in the year 2013.
- Passed TET (Teacher Eligibility Test) in 2014

Contact

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Skills

- Teaching Skills
- Communication Skills
- Monitoring Skills

Strengths

- Patience
- Energetic
- Organizing
- Motivating
- Listening

Hobbies

- Reading
- Planning
- Writing
- Editing
- Enjoying drink