

John Root

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Objective

To make the transition from teaching students hands on technical skills in the classroom, to applying these skills in a facility where I can work out in the field and continue to learn new things.

Education

Bachelor of Science, Technology Education	Master's of Science in Education	1 yr Certificate in Building Trades
SUNY Oswego, Oswego NY	SUNY Potsdam, Potsdam NY	Seaway Area Tech Center
Fall 2006- December 2010	Spring 2014 – Summer 2015	June, 2006

Teaching Experience

Technology Education Teacher at Brushton-Moira Central School, Brushton, NY September 2013-Present

- 8th grade Introduction to Metal Technology
- High school Drafting and Design for Production, Welding, Construction Systems, Materials Processing, Mechanical Drafting, and Agriculture classes.
- Teach hands on skills that will be beneficial to the students in this area.
- Use problem solving skills in the shop to create solutions to a problem and to produce products.
- Co-Advisor for the FFA (Future Farmers of America)

Technology Education Teacher at Peru Central School, Peru, NY March 2012- August 2013

- High School DDP, CAD, Residential Structures, Transportation Systems, Materials Processing
- Seventh grade Introduction to Technology
- Use the design process and problem solving skills to complete hands on projects
- Teach which resources we need for technology to work in our world today
- Use the basic drafting tools and techniques to draft solutions to a given problem

Technology Education Teacher at North Point High School in Waldorf, MD August 2011- February 2012

- Taught ninth grade Foundations of Technology
- Underwent a week long curriculum training program for STEM (Science, Technology, Engineering, and Mathematics) connections.
- Taught units on Engineering by design, Structures, Technological Systems, and Electricity/Electronics
- Foundations of Technology is an approved ITEA course.
- Developed a strong classroom management plan which allows students to work efficiently on projects.

Experience Highlights and Professional Commitments

- Ability to relate and work with secondary students of all ages with varying developmental needs in both the classroom, and the technology shop.
- Forestry and Agricultural experience. Operating a tractor for snow removal, field and trail use.
- Experience and skill in most areas of technology (electrical, construction, drafting, mechanics, and design).
- Experience in all aspects of technical trades. Graduate from Building trades at Seaway Area Tech. 2006
- Working knowledge of electrical and mechanical systems.
- Experience in residential construction and wood working.

STEM (Science, Technology, Engineering, and Mathematics) Leadership Team 2012-13

- Worked with other teachers to integrate math science and engineering into our curriculum
- Developed projects and problems for students to solve using the engineering and design process.
- Created hands on learning environment for students to practice their STEM skills.

NYSTEEA Member 2012-13

- New York State Technology Education and Engineering Association, Champlain Valley Region Associate
- Attended NYS Conference, Saratoga Springs, NY February 2013