

# Weaving Engineering into Science

## Grades 6 - 12

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Join us to explore how to integrate the Science & Engineering Practices of the Next Generation Science Standards (NGSS) into your 6 - 12 Science classroom to create engaging lessons and activities for your students. This workshop will provide model science & engineering design activities that spiral through the 6-12 curriculum. We will explore the Engineering Design Process and experience model activities on topics in physical sciences, life sciences and earth & space sciences. You will discover how working together, scientists and engineers can use their knowledge and creativity to look for solutions and possibilities as they address unique needs. Our approach demonstrates how to integrate Science & Engineering lessons into your current science teaching practice while efficiently connecting to science disciplinary literacy and mathematics coverage. (Recommended: Bring your laptop or tablet).

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**Lisa A. Riedle** is an engineer and is the Dept Head and professor of the Department of Technology at the University of Northern Iowa. She has a Ph.D. in Engineering and is a registered professional engineer. Lisa has extensive experience in collegiate classrooms and administration. Lisa has also participated in teaching STEM Connects professional development courses for CESA 5 and has provided a variety of presentations and workshops for Wisconsin Teachers.



**Dorothy A. Ginnett** is the Science Specialist and Gifted Education Grant Coordinator for CESA 5. She is a WI Professional Educator and has experience teaching in the CESA 5 region, both secondary (6 - 12) and college level science in face-to-face, blended and fully online classrooms. Dorothy also has experience teaching professional development courses in Environmental Science for K-12 Educators.

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**Date:** May 24, 2016

**Time:** 8:30—3:30

**Cost: Free to GT Grant Members**

\$30 SIS Consortium Members

\$75 All Others

**Questions:** Contact Dorothy Ginnett, [ginnettd@cesa5.org](mailto:ginnettd@cesa5.org) or Doug Shanks, [shanksd@cesa5.org](mailto:shanksd@cesa5.org)

**Location:** CESA 5—Portage

**Register:** [www.myquickreg.com](http://www.myquickreg.com)

