

Next Generation Science Standards Investigation ~ Middle & High School

Thursday, November 21, 2013

CESA 10 Conference Rooms 1, 2, 3
725 W Park Ave, Chippewa Falls

9:00 AM—3:00 PM
Lunch Provided

Middle School & High School Science Teachers

Registration

All registrations are done electronically through the *MyQuickReg* System (<http://myquickreg.com>)

Registration Deadline:
November 15, 2013



The Next Generation Science Standards represent a significant step forward in thinking about science curriculum and instruction. This workshop will provide an overview of the structure and intent of the standards. We will connect a sample science lesson with each section of the standards to illustrate what they could look like in practice. We will explore a few key standards at grades 6-12 and collaboratively explore what they could look like in your classroom. We will link examples lessons to best practices for teaching science, such as claim, evidence and reasoning structures of science teaching and communication. We will review some of the support materials developed by the NGSS writers to help educators chart a path forward and look at lesson planning in an NGSS context. Finally, there will be time devoted to mapping out possible standards progressions by grade level.



Kevin Anderson works as a STEM education and accountability consultant for CESA #2. He particularly enjoys helping teachers and administrators implement a project-based understanding of the CCSS in math and NGSS in science. He has recently been involved in a WI state leadership team designing professional development to roll out the NGSS. Kevin completed his Ph.D. at UW-Madison in Educational Leadership & Policy Analysis with an emphasis on STEM education policy and leadership. He previously taught middle school science and math in Wisconsin and California, earning the distinction of National Board Certified Teacher in science. Previous to teaching he worked at Stanford University researching systemic school reform and maintaining reform efforts through leadership turnover.

Contact

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Learning Outcomes:

1. Understand the science content of the Next Generation Science Standards as well as the role of the scientific practices and crosscutting concepts.
2. Learn the current status of the standards and assessment plans within our state.
3. Develop a list of considerations to take back to your district.