

Cray Academy 2013 has evolved into ...



NEXT GENERATION SCIENCE STANDARDS

3-Day Workshop

August 6-8, 2013

INVESTIGATE—CONNECT—COLLABORATE

Effectively navigate and interpret the standards using their web-based interactive structure. Collaborate with Instructors from UW-Stout, UW-Eau Claire and CVTC; industry and engineering professionals; and teaching colleagues to deeply understand the content of the standards and implications for teaching science. Leave with collaboratively developed lessons that bring to life the science and engineering practices prescribed in the standards.

ALL Science teachers, grades 4-12 and Technology Education teachers who teach materials science content are encouraged to attend. **Mary Staten**, former Director of Science Education at MPS and current instructor at Alverno College, will deliver the first keynote on the current state of the NGSS and possible implications in WI. A second keynote on the topic of engineering and applied science will be delivered by **Dr. Forrest Schultz** of UW-Stout's College of STEM. Lesson writing will be facilitated by field experts including **JoAnn Miller**, WI Science Teacher of the Year, and **Emily Miller**, NGSS writing team member, as well as other members of the WI Science Leadership team and science teachers.

REGISTRATION INFORMATION

March 4, 2013—Registration Begins

July 15, 2013—Registration Closes

www.myQuickReg.com

REGISTRATION FEE

\$60.00—Three Day Conference
(No refunds after June 30, 2013)

All participants must pay a registration fee

SESSION FEE

CESA 10 STEM Consortium Members—No Session Fee

Non-Consortium Members—\$350

GRADUATE CREDIT

An optional one (1) graduate credit may be obtained

LOCATION

Chippewa Valley Technical College
Eau Claire Wisconsin

FOR MORE DETAIL: Thersea: tburzynski@cesa10.k12.wi.us
or **Ellen:** emihm@cesa10.k12.wi.us or call 715-720-2038

Select Your Strand

PHYSICAL SCIENCES: Properties of Matter

- Investigate NGSS Standards: Gr. 5, 7-12
- Tour related industries
- View materials lab
- Virtual field trip: Structure & Properties of Matter

LIFE SCIENCE: Neuroscience

- Investigate NGSS Standards: Gr. 4, 7-12
- Tour facility w/ brain scanning equipment
- Virtual field trip: Anatomy of the Human Brain

EARTH & SPACE SCIENCE: Geosciences & Human Impacts

- Investigate NGSS Standards: Middle & High School
- Investigate WI geology in the field, including a sand mine, with Dr. Kent Syverson, UW-Eau Claire Dept of Geology
- Virtual field trip: Earth's Geologic History

Conference at A Glance

Tuesday, August 6, 2013: 9:00—3:30

- Keynote Topics: 'The Current State of the Standards in WI' and 'Engineering and Applied Science'
- Strand Sessions: Dig into the disciplinary core ideas with field 'experts'

Wednesday, August 7, 2013: 8:30—3:30

- Customized Field Trips by Strand: Relevant industries, IHEs or field sites

Thursday, August 8, 2013: 8:30—3:30

- JoAnn Miller, Science Teacher of the Year: 'How to Create Effective Science Lessons'
- Experience virtual field trips by strand
- Collaborate with colleagues to develop NGSS aligned lessons

