

SCIENCE NETWORKING MEETING

Facilitated by Kevin Anderson, DPI Science Consultant

Building on the science workshop Kevin Anderson, DPI Science Education Consultant, facilitated last March at CESA 2, he'll be offering two more workshops this coming year. We encourage districts to send a team of teachers! Attendance at last year's workshop is not critical for attending these.

November 29, 2016-In Depth Lesson Development with the Next Generation Science Standards (NGSS)

During this day we'll work through steps in planning an NGSS-aligned lesson (or series of lessons). Teachers will be guided through the process and be provided time to work on each element. The steps will include:

- Determine a goal – what do I want students to be able to do?
- Choose phenomena – what is a meaningful context for this learning?
- Bundle standards – how does this lesson fall into the progression of learning?
- Design investigations – how will students use the practices and crosscutting concepts? What makes it three dimensional? How can I build this work around the 5E model?
- Talk and literacy – how do I get students communicating, reading, and writing like scientists? How do I connect to disciplinary literacy?
- Peer review and sharing

Expectation: By the end of the day, each person or team will have a lesson or series of lessons sketched out. We'll share them in a Google Folder.

February 28, 2017-In Depth Assessment Development (attendance in November is not necessary for attending in February)

During this day we'll work through steps in creating NGSS-aligned assessments. Teachers will be guided through the process and be provided time to work on each element. The steps will include:

- Determine a goal – what are my big picture learning targets (type that would be on a standards-based report card), and what are my specific learning outcomes for this lesson? For teachers not at the first session, we'll have some time here to work on connections to specific standards.
- Build a series of formative assessments – what do formative assessments of science practices look like? What evidence will I gather that students are making progress toward my learning targets?
- Create summative test – how do I create an NGSS-aligned performance task? What other effective test item types might I use? What makes it an authentic assessment?
- Create rubrics – how do I create an NGSS- aligned rubric?
- State level connections – How does this type of assessment connect to the state Forward Exam and ACT?
- Peer review and sharing

Expectation: By the end of the day, each person or team will have a set of formative assessments, a summative assessment, and a rubric sketched out. We'll share these products in a Google folder.

Time: 9:00-3:30

Held at: CESA 2, 1221 Innovation Drive, Whitewater

Audience: K-12 science teachers and instructional leaders

Event Fee: \$75 per person per day (includes lunch and snacks)

To register, go to <http://www.myquickreg.com>

For registration questions, please contact Sharon Anderson at sharon.anderson@cesa2.org

For workshop content questions, please contact Kevin Anderson at kevin.anderson@dpi.wi.gov

If you need special accommodations, registration and payment must be made three weeks before workshop.

Cancellation Policy: Participants must cancel more than 48 hours from this event or will be billed. Persons registering and not in attendance on the day of the session will be charged the full registration fee.

