



**Next Generation Science Standards**  
Teaching and Assessing the NGSS in  
Middle and High School



***Hybrid Online Course ~ Spring 2016***

**Instructor:** **Liz Mirra** (Math & Science Coach at Springfield High School, 2011 recipient of President's Award for Excellence in Science Teacher; reviewer on NGSS throughout development process)

**Target Audience:** Middle and High School Science Teachers, Teacher Leaders and Coaches

The *Next Generation Science Standards* call for changes in what content is taught and the way science instruction is delivered to students. This **three-credit hybrid course** will allow secondary science educators to explore what it means to teach the *NGSS* at their grade level by deepening their knowledge of the disciplinary core ideas, the science and engineering practices, and the crosscutting concepts that their students are expected to master.

Educators will:

- Learn how to incorporate the science and engineering practices into instruction and assessment as well as how to guide students through the engineering design process
- explore three-dimensional learning, learn how to use anchoring events to authentically motivate students
- Create a complete instructional sequence aligned to a NGSS performance expectation for their grade level that they can use as a model for planning future instruction.

This is a hybrid course utilizing four face to face sessions and Edu 2.0 online platform. The syllabus is available online.

**Course Dates:** Feb. 16, March 21, April 11 and May 12, 2016

**Hours:** 4:00 – 8:00 pm plus 29 online hours

**Location:** CVEDC classroom, Fort Ethan Allen Dupont Hall, 123 Ethan Allen Ave, Colchester, VT and online

**Cost:** \$1000.00 CVEDC members (includes 3 St. Michael's graduate credits)  
\$1100.00 non-CVEDC members

Register on-line: [www.cvedcvt.org](http://www.cvedcvt.org) For Questions [info@cvedcvt.org](mailto:info@cvedcvt.org)