



Champlain Valley Educator Development Center

Collaborative Professional Learning to Support Vermont Schools

NGSS Part II: Using Personalized, Proficiency-Based Learning to Help ALL Students Master the NGSS Hybrid- Fall 2016

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

Target Audience: Middle and High School Science Teachers, Teacher Leaders, Coaches and Administrators with background knowledge of the *Next Generation Science Standards*

We are in exciting times in education. We have new science standards that are causing us to think differently about how science instruction is delivered and what is taught, our classrooms are becoming more diverse creating teaching challenges we haven't faced before, and we have new state guidelines requiring us to **personalize learning** and to evaluate students based on their **mastery of proficiencies**. So how do we do this and what can it look like in a science classroom?

In this 3 credit course, we will explore:

- How NGSS, personalization, and proficiencies intersect and support one another.
- The hallmarks of three-dimensional learning prescribed by the *Framework* and the NGSS.
- How NGSS can be assessed to determine mastery of proficiencies in classrooms and schools that allow for personalization.
- How to design units and incorporate instructional strategies that allow us to meet the needs and ensure the success of diverse student groups including economically disadvantaged students, students with disabilities, English language learners, and gifted and talented students.
- Resources for determining what proficiency looks like for a NGSS standard and how to use that information to develop proficiency scales.
- The differences between individualization, differentiation, and personalization and how to move classrooms and schools along the continuum toward creating learner-driven learning environments.
- Each participant will leave the course with an instructional sequence personalized to their classroom for implementing these ideas during the next school year.



Dates:

Face to Face Meetings:
9/28, 10/17 & 11/14,
12/12

Hours: 4:00 – 8:00 pm
Plus online hours via EDU2.0

Location:

CVEDC Classroom,
Fort Ethan Allen
Colchester, VT
and online at EDU 2.0

Cost:

\$1100 Member fee
\$1200 Non-member fee
Includes 3 graduate credits & text:
The NGSS For All Students, Edited by:
Okhee Lee, Emily Miller & Rita Januzyk, 2015
NSTA

To Register: www.cvedcvt.org

Questions? info@cvedcvt.org

Or call: 802-497-1642



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