

NGSS Professional Development Workshop Series Planning NGSS-Aligned Lessons

Grades 6-12: Wednesday March 8, 2017, 9:00 AM – 3:30 PM

Grades K-5: Wednesday March 15, 2017, 9:00 AM – 3:30 PM

Fee: \$125 Credits: 5.5 PDU Hours

In 2016-2017, the Science Education Institute at Raritan Valley Community College will be offering a series of seven one-day workshops designed to help teachers prepare for the implementation of the Next Generation Science Standards (NGSS). This workshop is the last one in that series.

In this workshop, participants will receive an introduction to the Framework for K–12 Science Education – a critical document for understanding and implementing the Next Generation Science Standards (NGSS). The NGSS presents a conceptual shift in K-12 science education in which students, over multiple years of school, actively engage in Science and Engineering Practices and apply Crosscutting Concepts to deepen their understanding of the Core Ideas in Science and Engineering.



This workshop will focus on *planning a sequence of lessons that are aligned to the NGSS*.

Participants will learn how to use natural phenomena as a starting points for their lessons and how to organize this lesson sequence across three stages: gathering, reasoning, and communicating. In each stage students will draw on a different set of Science and Engineering Practices, use Crosscutting Concepts, and apply Core Ideas to construct an explanation for the natural phenomenon under study. Most of the day will be devoted to planning and sharing such lessons.

The workshop will be held at Raritan Valley Community College in North Branch (NJ) and will begin promptly at 9 am and end by 3:30 pm. Light breakfast and lunch will be provided.

The workshop leader, Dr. Wil van der Veen, is a nationally recognized expert in science education and is a member of the New Jersey State Leadership Team for the NGSS. The workshop will be co-facilitated by several K-12 educators from the NGSS Teacher Leader Program – a collaboration between Princeton University, Rider University, and Raritan Valley Community College.

For more information and to register online go to our website at www.raritanval.edu/njace or contact Mariel O'Brien at mariel.obrien@raritanval.edu or 908-526-1200 Ext 8942.

For customized training on the NGSS in your district contact Dr. Wil van der Veen at wil.vanderveen@raritanval.edu or 908-526-1200 Ext 8566.