

NGSS Professional Development Workshop Series
Asking Questions/Planning and Carrying Out Investigations
Wednesday September 28, 2016, 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 first 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 the Practices of *Asking Questions and Planning and Carrying Out Investigations*. Participants will be engaged in exemplary investigations in a variety of science content areas to deepen their understanding of these Practices. They will take away strategies to help students to ask questions of each other and to ask testable questions that will lead into planning and carrying out investigations. They will learn how to help students plan investigations related to natural phenomena and that will result in data that students can analyze and use to construct explanations. Although the focus will be on *Asking Questions and Planning Investigations*, teachers will also deepen their understanding of related Science and Engineering Practices and Crosscutting Concepts. There will be opportunities for participants to reflect on the investigations and to plan lessons aligned to the NGSS.

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.