

Join us at our NGSS Summer Institutes in Summer 2017
Grades K-5: Monday July 24 – Friday July 28, 2017
Grades 6-12: Monday August 7 – Friday August 11, 2017

Are you NGSS ready? Do you understand how the NGSS core ideas differ from the science content we taught in the past? Do you know how to support students in using science and engineering practices and crosscutting concepts to construct explanations for natural phenomena or to design solutions to engineering problems?

The vision behind the NGSS is to provide students with the knowledge and skills so that later in life they can make sense of the natural world and construct explanations for novel *natural phenomena* (observable events) on their own. To make this vision a reality, the NGSS requires that students engage in *science practices* to explore how and why natural phenomena occur. As they construct explanations for these natural events they apply their understanding of *core ideas in science* and use *crosscutting concepts* to guide their thinking.



In summer 2017 the Science Education Institute at Raritan Valley Community College will offer two week-long Institutes designed to support teachers and supervisors of grades K-5 and grades 6-12 with the implementation of the NGSS. Participants will receive an in-depth introduction to the vision behind the NGSS and its three dimensions: the core ideas, the practices, and the crosscutting concepts. Participants will experience NGSS-aligned investigations consisting of *performance tasks* that engage participants in practices and require the use of core ideas and crosscutting concepts to construct explanations for natural phenomena. There will be multiple opportunities for participants to reflect on these investigations and to use a nationally tested *Lesson Idea Template* to develop performance tasks and plan NGSS-aligned lessons.

The week-long Institute is held at Raritan Valley Community College in North Branch, NJ. Each day begins promptly at 9 am and ends by 3:30 pm. Light breakfast and lunch will be provided.

The Institute is led by Dr. Wil van der Veen, a nationally recognized expert on the NGSS and science education and a member of the New Jersey State Leadership Team for the NGSS. The Institute is co-facilitated by K-12 classroom teachers from the NGSS Teacher Leader Program, a collaboration among Princeton University, Rider University, and Raritan Valley Community College.

The fee is only \$300 for the week, or \$250 for registrations received by March 31, 2017.
Register early! Last year's Institutes were filled by May!

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

To develop a long-term NGSS professional development plan for your district, contact Dr. Wil van der Veen at wil.vanderveen@raritanval.edu or 908-526-1200 Ext 8566.