



• Cultivating 3-Dimensional Science Learning with NGSX •

Presenters: Sharron Prairie, M.S. & Theresa White, M.A.T.

Audience: K-12 educators who teach science, as well as administrators and coaches who support them.

Description: Would you like to learn more about what real engagement with the Next Generation Science Standards (NGSS) standards means for your classroom? This series focuses on NGSS's scientific practices of developing and using models, engaging in argumentation, and constructing explanations. You will engage as adult learners with science content to learn and practice the pedagogy shifts in the NGSS. In addition, you will see classroom examples of modeling, argumentation and constructing explanations in practice. You will immediately be able to apply your new knowledge to your own classroom practices.

Participants will:

- Analyze 3D science learning to uncover key pedagogical practices that support learning;
- Learn to create and support a knowledge-building culture around Productive Talk that encourages students to think, reason, and collaborate like scientists;
- Explore the major ideas found in the NRC Framework and the NGSS;
- Engage in short readings, reflections, and responses to scenarios;
- Develop tools and strategies to take the new vision of the Framework back into classrooms, including using storylines to connect phenomena, practices, and core ideas; and
- Work as a study group led by practicing science teachers to complete 6 units of the NGSX Matter Pathway.

Sharron Prairie is Williamstown Middle/High School's Chemistry, Physics, and Advanced Placement Micro/Macroeconomics Teacher and has nearly 20 years of experience teaching physical science and economics at the high school level. After earning an undergraduate degree from Cornell University, she went on to earn a Master of Science, Curriculum/Instruction at McDaniel College.

Theresa White is a 3rd-4th grade science teacher and interventionist at Williamstown Elementary School in central Vermont. She earned her Master's in Teaching at Brown University and has taught primarily in multi-age upper elementary classrooms for the past 11 years.



Dates:	July 30, 31 & August 1, 2, 3, 2018
Place:	Williamstown Middle High School Williamstown, VT
Cost:	\$800 for 5-day workshop (32 professional learning hours) \$1060 for 5-day workshop & 2-credit course
Time:	8:30-3:00



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