



PECONIC Teacher Center

Proudly Presents

Use a NYSSLS Approach to Engage Students in Your MIDDLE SCHOOL Course

Facilitated by Glen Cochrane

The first administration of the New York State Science Learning Standards (NYSSLS) based Regents exams scheduled for June 2025 and 2026. Teachers have only a few years to make a thoughtful and measured transition to a NYSSLS based course. It is possible to transition to the pedagogy that supports the three-dimensional approach of the NYSSLS while continuing to teach science aligned to the MST Core Curricula. Having students make connections between the three dimensions of scientific knowledge can better prepare them for the NYS Grade 8 exam while they develop a coherent and scientifically based view of the world. Start with the complex phenomena (for science) or problems (for engineering) and let students ask questions, explore, and use the Science and Engineering Practices, and Crosscutting Concepts to construct their own understandings of the Disciplinary Core Ideas (content). Teachers facilitate while students learn by doing the science and engineering practices, engaging in discourse, and constructing understandings of the main ideas of the sciences. Included will be:

- Principles of phenomena-based instruction
- Small steps to integrate NYSSLS 3D instruction while still teaching the core curriculum
- Crosswalk with NYSSLS and what you are currently teaching
- Begin steps to convert a small unit to phenomena-based instruction
- Introduction to storylines
- Introduction to 3D cluster assessments
- Resources to help with transitioning to NYSSLS

DATE: Wednesday January 11, 2023

TIME: 8:00am- 3:00pm

LOCATION: Peconic Teacher Center Conference Room

Southampton High School

FEE: There is no charge for this professional development

REGISTER HERE:

<https://www.mylearningplan.com/WebReg/ActivityProfile.asp?D=10096&I=4303477&I=4273413>

Glen Cochrane retired from Half Hollow Hills after 37 years where he taught all levels of high school science. He has served as an Educational Specialist for NYSED since 2004 participating in multiple phases of developing the Living Environment Regents. Glen was part of the team writing the life science section of the preliminary draft NYS Science Learning Standards at NYSED. He has conducted many workshops for teachers through WS and ES BOCES on strategies to teach the Living Environment and implementing the New York State Science Learning Standards (NYSSLS). He meets regularly as a member of the NYS Science Education Consortium. Glen was the

President of Science Teachers Association of NYS (STANYS) in 2016-17 and serves as the Chairperson of the Suffolk section.