

A Workspace Opportunity to Collaborate in Life Science Biology Curriculum Development

Presented by Glen Cochrane



It is expected that regents Biology courses (formerly Living Environment) be fully aligned with the New York State P-12 Science Standards (NYSSLS) in the 2025-26 school year. For educators looking to adapt available high-quality storylines or write their own storylines, this workspace might be for you. A goal of this workshop will be to work collaboratively to develop the details of a unit and share it with the participants. It is presumed that participants will have a working understanding of the NYSSLS. It is highly recommended that educators from the same school/department attend and work together on a common project.

Session 1:

- Participants will share their prepared ideas for the unit they want to adapt and develop.
- Instruction on the fundamentals of unit development that align with a student-centered classroom, using the pedagogical shift and 3-dimensional learning expected with the NYSSLS/NGSS.
- Open-source materials will be used as samples of available NGSS aligned biology curricula.
- We will review resources to evaluate lessons and assessments.
- Using shared documents, each group will develop their ideas for a cohesive 3-D unit in Biology. The goal will be to start with an engaging lesson, student questions, and initial student thinking. Over the course of the unit, students will use the Science and Engineering Practices (SEPs) to develop understanding of the Disciplinary Core Idea (DCI).

Intersession Work

Educators that continue developing their project with evidence in the uploaded documents will receive up to an additional 3 CTLE hours.

Session 2:

- The fundamentals of developing summative regents exam clusters will be reviewed.
- Participants will review sample clusters and see how each item is aligned to NYSSLS
- Participants will continue building the series of lesson plans from Session 1 and their Intersession work using their shared documents.

Intersession Work

Educators that continue developing their project with evidence in the uploaded documents will receive up to an additional 3 CTLE hours.

Session 3:

Participants will continue building their series of lesson plans. If time permits, participants will develop student pages for the 3D activities identified in the lesson plans. Each group will upload their project and make a brief presentation to the whole group

****B.Y.O.D. (Bring Your Own Device)** - Participants should bring a fully charged laptop, iPad, or tablet to download resources, access websites, and work collaboratively on files throughout the workshop.

DATES:	February 11, March 13, and April 29, 2025 (must attend all days)
TIME:	8:30 am – 2:30 pm
COST:	\$475 for subscribers* / \$550 for non-subscribers (includes coffee/tea & buffet lunch) <i>*For those districts who <u>subscribe</u> to the ESBOCES Comprehensive Curriculum Development Service – FREE for a maximum of 1 participant. Additional registrations are discounted at a rate of \$475.</i> <i>**For those districts who <u>do not subscribe</u> to the ESBOCES Comprehensive Curriculum Development Service the cost is \$550 per participant.</i>
AUDIENCE:	Regents Biology Teachers and Science Leaders
LOCATION:	Instructional Support Center at Sequoya, 750 Waverly Avenue, Holtsville
REGISTER:	https://www.mylearningplan.com/WebReg/ActivityProfile.asp?D=10057&I=4934178



Glen Cochran 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 and now LS: Biology. 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 various BOCES and Teacher Centers on strategies to teach the Living Environment and more recently, LS: Biology. 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 served as the Chairperson of the Suffolk section.

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