The Connecticut State Department of Education and the Connecticut Science Center Partner to Launch First Offerings in a Next Generation Science Professional Learning System

Next-Gen Science CT

REGISTRATION OPENS NOVEMBER 2, 2015

A Web-Based Introduction to Next Generation Science

Made with CT educators, for CT educators

Next-Gen Science CT is a free, online, self-paced short course that provides K-12 educators with a comprehensive starting point for understanding *A Framework for K-12 Science Education* and the *Next Generation Science Standards*. This modular overview course will eventually consist of 15 modules, a total of 20 to 60 hours of professional learning, depending on how deeply PLCs engage with the "Think & Discuss" prompts.

Each module focuses on a specific aspect of Next Generation Science teaching and learning, engaging educators in guided reflection, classroom application, and transition planning. The Moodle-based platform provides opportunities for course takers from across the state to engage in discussion and share ideas and resources.

For the best results, schools and districts are encouraged to form Professional Learning Communities (PLCs) and identify individuals who can be effective facilitators (NGSS expertise is not required). An online matchmaking forum is available for educators seeking to join a "virtual" PLC. Successfully completing all modules will confer an emailed certificate of completion and an electronic badge.

Best for:	Teachers of science, teachers of other subjects, school administrators, families, paraprofessionals, special educators and others with an interest in Next Generation science.
Cost:	None
Learning hours:	20 to 60
Format:	In-person and virtual study groups using web-based professional learning modules
Facilitation:	District-selected facilitator(s)

For details and registration, visit the course website at http://ngss.ccat.us.

Questions? Contact Nick Balisciano at nbalisciano@ccat.us

NeXtGen Science Exemplar System

COMING JANUARY 2016

Transforming science teaching and learning through reasoning, modeling and communicating explanations of phenomena.

NGSX is a blended professional learning system designed to help teams of K-12 science educators apply the pedagogical shifts described in the *Framework for K-12 Science Education* and the *Next Generation Science Standards* to their own teaching. NGSX brings the expertise of *Framework* developers, experts in teacher learning, and expert professional development facilitators to science educators across Connecticut.

NGSX is organized into learning pathways structured to immerse participants – as learners and as teachers -- in 3-Dimensional learning using a web-based system of tasks, tools and resources. The NGSX experience combines first-hand science investigations, videotaped expert commentary and classroom case studies along with facilitated individual, small group and whole group discussions.

In a collegial, seminar-like environment, NGSX participants will engage in modeling and constructing explanations of complex phenomena, hallmarks of Next Generation Science. They will also learn to use questioning strategies, or "talk moves", to create a classroom culture in which students explain their thinking, listen to and build on the ideas of others and function as a community of critical thinkers.

To learn more about the NGSX experience, click here.

Best for: Teachers of science, district science leaders, STEM coaches, teachers of other subjects, informal science educators, and university faculty
Cost: $1,500 per teacher (estimated)
Learning hours: 30 to 40 hours; typically scheduled in 2-day sessions spread over 2 to 3 months
Format: In-person facilitated study groups using a web-based professional learning program and first-hand experiences
Facilitation: Expert-facilitated by certified learning leaders

Coming Soon: A schedule of regional NGSX study group dates and locations, along with a registration form for 2016 winter, spring and summer sessions. **Start recruiting your school's team now!** Minimum 2 educators, maximum 20 educators per school.

Questions? Contact Cheryl Tokarski at ctokarski@ctsciencecenter.org