

Registration and application forms are available on the website.

www.opennh.org

Deals for Districts

OPEN NH / NSTA Open Access License

OPEN NH has partnered with the National Science Teachers Association to offer deals for districts and teachers for the NSTA online resources available in the sciences. An OPEN Access request form is available for download on the OPEN NH website. www.opennh.org

- **Package 1** Open Access to all NSTA materials for the period of 1 year.
- **Package 2** Open Access to all NSTA materials for the period of 1 year and one OPEN NH course to be taken in any session delivered during that year.
- **Package 3** Open Access to all NSTA materials for the period of 1 year and two OPEN NH courses to be taken in any session delivered during that year.
- **Package 4** Open Access to all NSTA materials for the period of 1 year and three OPEN NH courses to be taken in any session delivered during that year.
- **Package 5** Open Access to all NSTA materials for the period of 1 year and four OPEN NH courses to be taken in any session delivered during that year.

Visit www.opennh.org or www.nheon.org/elearn for details.

OPEN NH offers Schools, districts, or SAUs a cost effective way to create online collaboration and use the power of online learning to support the professional development of their staff.

An application form and accompanying registration form are available for download on the OPEN NH website. www.opennh.org

\$1900 Course Delivery Scenarios

- Two scenarios for 8 – 25 teachers exist in which districts can choose the course and the time of delivery.
- Two scenarios for 20 – 25 teachers exist in which districts can request seats in OPEN NH course sessions.

\$450 Course Delivery Scenarios

Two scenarios exist in which districts can add a cohort of 5 teachers to an OPEN NH session for the price of four.

New Hampshire e-Learning for Educators

www.inacol.org

www.thinkfinity.org



Member

Thinkfinity.org

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State Partner

For More Information

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NH Department of Education

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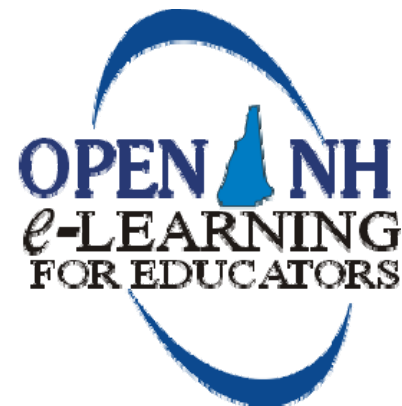
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Visit Open-NH on the web at: www.opennh.org



Professional Development that Supports

Science Literacy



Convenient Course Delivery

Each course unit runs from Wednesday until the following Tuesday. The courses are divided into 7 units, beginning with an optional face to face orientation meeting and an online course orientation week. Weekly participation requires online readings, projects, tasks or assignments, and discussions. An internet connection is all that is required for access to the course. Because the courses are discussion driven, it is important to be present online regularly throughout the week and to participate in the discussions as they happen. Participants completing the course receive a certificate for 30 contact hours of course participation.

Our instructors are specially trained in online professional development course facilitation by the Education Development Center as part of the e-Learning for Educators Initiative.

Courses Supporting Science Literacy

SC-01 Science 2.0: Using Web Tools to Promote Inquiry Based Science

In this course, participants will explore the use of online resources to enhance inquiry-based teaching and learning in science. Over the course of this seven unit course, participants will become familiar with science-themed websites, online collaborative projects, science blogs and wikis, and the mapping applications Google Maps and Google Earth. Considerable attention is paid to helping participants identify ways that they can integrate these tools into their practice, and thus enrich their students' engagement with science content. Promoting scientific inquiry is a central theme, and serves as a lens for this course. Participants consider the issue of assessment, specifically as it relates to inquiry and the use of online tools, later in the course. As a final project, participants develop plans for an inquiry-based science lesson that uses an Internet-based data source.

SC-02 Designing a Virtual Field Trip in Science

This course will enable teachers of all grade levels to use Internet resources to design a "virtual field trip" for their students. Participants will become familiar with the strategies and resources that educators use to design these field trips, as well as tips and tricks to ensure their success. By the end of the course, participants will have designed effective and engaging virtual field trips in science for their students that are aligned to state and national standards.

SC-03 Transforming the Classroom with Project Based Learning in Science

This course is designed to familiarize participants with the principles of Project-Based Learning (PBL). Throughout this six-week course, exemplary projects will be analyzed, critiqued, and evaluated for applicability to participants' classroom needs. Participants will gain hands on experience using software tools to support the planning and execution of science projects, and develop collaborative, inquiry-based projects that support their curricular goals. Participants will learn to blend PBL and standards-based design strategies to create curriculum units that enhance student learning at all grade levels.

SC-04 Differentiating Instruction to Accommodate Learning Styles in Science

Addressing the individual learning styles of students can be a challenge for teachers. The World Wide Web contains a vast number of resources to assist teachers in understanding and planning for the different avenues through which students learn best. Suitable for participants of all grade levels, this course will review a range of web sites providing information about learning theory related to learning styles and multiple intelligences, as well as resources to assist teachers in both identifying students' learning styles and intelligences and engaging students in activities which best suit those styles and intelligences.

SC-05 Matter and Energy: Basic Concepts of Science Literacy 1

Throughout this seven-week course, you will explore and discuss the meaning of the fundamental concepts necessary for literacy in science. The course will increase foundational knowledge and understanding of the nature of science, Newton's laws of motion, energy, atoms and bonding, and quantum mechanics. Video from Annenberg Media (www.learner.org) will be used to enhance the content. You will be facilitated through an inquiry-based approach to learning as you explore web sites and online tutorials to uncover concepts. The course is appropriate for educators of all positions and grade levels.

SC-06 Atoms and Galaxies: Basic Concepts of Science Literacy 2

Throughout this seven-week course, you will explore and discuss the meaning of the fundamental concepts necessary for literacy in science. The course will increase foundational knowledge and understanding of atomic structure, nuclear and particle physics, astronomy, cosmology, and relativity. Video from Annenberg Media (www.learner.org) will be used to enhance the content. You will be facilitated through an inquiry-based approach to learning as you explore web sites and online tutorials to uncover concepts. The course is appropriate for educators of all positions and grade levels.

SC-07 Cycles and Systems: Basic Concepts of Science Literacy 3

Throughout this seven-week course, you will explore and discuss the meaning of the fundamental concepts necessary for literacy in science. The course will increase foundational knowledge and understanding of earth cycles, diversity of life, genetics, evolution, and ecosystems. Video from Annenberg Media (www.learner.org) will be used to enhance the content. You will be facilitated through an inquiry-based approach to learning as you explore web sites and online tutorials to uncover concepts. The course is appropriate for educators of all positions and grade levels.

SC-08 Understanding the Science of Life: Characteristics, Classification, and Cycles

This course provides background Life Science information for K-6 teachers as well as any teacher wishing to learn about these new Life Science understandings. Participants will use a combination of video, readings, reflection and online discussion during the seven weeks of the course. Topics covered in this course include: What is Life?; Classification; Animal and Plant Life Cycles.

SC-09 Understanding the Science of Life: Communities, Ecosystems, and Natural Selection

This course offers unique and important material enhancing your knowledge about the Fundamentals of Life and Living Things. This course is designed for K-6 teacher and others wanting to see Life Sciences developments in the last ten years. This online course explores the following areas: Natural Selection; Evolution; Energy Flow in Communities; and Material Cycles in Ecosystems. It surveys the process of evolution and the importance of variations in natural selection, shows how energy flows in communities and reviews how material cycles within ecosystems.

SC-10 Understanding Force and Motion

The world of Force and Motion is always all ways around us. We see objects travel across space. We observe a baseball or football being hit or thrown. And these balls do so in at defined times. Or they can stay in place. In other instances they can collide with others. This online course covers the basic physics of Force and Motion. It looks at Position and Motion and Newton's First, Second and Third Laws. It is designed for k-6 teachers or any other education wishing to be acquainted with the physics fundamentals. It is also designed for those who want to review progress in that field in the last ten years.

Not all courses are offered each session. Other Courses may also be appropriate for your literacy needs. The complete list of course descriptions and schedules are available online at www.opennh.org.