

Science PD at the NH Department of Education

(Unless otherwise noted, all workshops will take place in Room 15, at the NH Department of Education, 101 Pleasant Street Concord, NH from 9 AM to 2 PM.)

To register for any of these sessions, complete the online registration at http://www.surveymonkey.com/s.aspx?sm=TmrwLSA7Wmp58QjaBat0Aw_3d_3d

September 9 **Tools for Collaboration (Cross Content)**
Audience: Educators from any content level, school, district, organization or Department of Education staff.

We will look at various tools available for collaboration for free or very low prices. If you have a laptop - bring it! We will look at wiki's, blogs, moodles and more. **Please bring a bag lunch - beverages will be served.**

September 24 **Science Leaders Forum #1: Ready Set Science K-8**
Audience: Open to science leaders from any school, district, or organization.

We will be working in grade level teams discussing the needed support materials for teachers.

- Discussing NECAP Science Results
- Pre-viewing Science Vocabulary CD and Materials.
- Discussion of Concerns by grade Span Groups: HS - Competencies; Middle Level - Scaffolding content and skills; Elementary - Alignment and finding Time for Science; Higher Education - New Credential Standards
- Ready Set Science K-8

This book is a great resource for all "Teachers of Science" in grades K-8. We will be doing some activities based on the book and have discussions about the implications to science in K-8 classrooms. The work shop is suitable for Teachers, Pre-service Educators, College Education Professors, and District personnel working with K-8 Science. **Participants will receive the book.** An optional online book discussion will be available after this session.

Please bring a bag lunch - beverages will be served.

October 1 **Introduction to Formative Assessment in Science**

Audience: Classroom Teachers of Science and District Personnel

In this session we will look at the role formative assessment should play in the science classroom. We will be using some resources from the Exploratorium on Formative Assessment and the new Page Keeley's book on Formative Assessment. **Please bring a bag lunch - beverages will be served.**

- October 17 **Informal Science Data Work**
Audience: Informal Science Professionals
How do we "chunk" data for use in K-4, 5-8, 9-12 classrooms. Bring your data set samples. We will look at the GAISE Framework for Statistical Literacy. We will create some data sets and samples to share with educators during this working session. **Please bring a bag lunch - beverages will be served.**
- October 20 **Evolution Basics and Infectious Diseases (Health/Science 1)**
Audience: Health Teacher/School Nurse and Science Teacher Teams from High Schools (SPECIAL REGISTRATION REQUIRED)
We will be viewing and discussing two videos (*Evolution and Infectious diseases*) from Howard High Medical Institute. Each Team will receive their own copies to take back to school for further use. Additional handouts and references will be available. Use this special registration:
http://www.surveymonkey.com/s.aspx?sm=1NJAZQgxJPAQ1C8wPFodoQ_3d_3d
- October 22 **Ready Set Science K-8 (Only)**
Audience: K-8 Teachers, Lead Teachers, Higher Education Professionals who teach Pre-Service teachers
At this meeting we will explore the new book by the National Academies of Science: Ready, Set, Science. This book is a great resource for all "Teachers of Science" in grades K-8. We will be doing some activities based on the book and have discussions about the implications to science in K-8 classrooms. The work shop is suitable for Teachers, Pre-service Educators, College Education Professors, and District personnel working with K-8 Science. **Participants will receive the book. An optional online book discussion will be available after this session.** Limit of 30 Participants.
Please bring a bag lunch - beverages will be served.
- November 17 **More Formative Assessment in Science (Group 1)**
Audience: Classroom Teachers of Science and District Personnel
Adding on to the ideas of using formative assessment in the classroom - we will examine the use of specific "Probes" to find out about student misconceptions in science. Participants will receive a Formative Assessment resource book. **Please bring a bag lunch - beverages will be served.**
- December 1 **Evolution Details and Evolution of Aids (Health/Science 2)**
Audience: Health Teacher/School Nurse and Science Teacher Teams from High Schools (SPECIAL REGISTRATION REQUIRED)
We will be viewing and discussing two videos (*Evolution - fossils, genes, and mousetraps and HIV Aids*) from Howard Hughes Medical Institute. Each

Team will receive their own copies to take back to school for further use.
Additional handouts and references will be available.

Use this special registration:

http://www.surveymonkey.com/s.aspx?sm=1NJAZQgxJPAQ1C8wPFodoQ_3d_3d

- December 3 **Science Leaders Forum #2**
Audience: Open to science leaders from any school, district, or organization.
Resources for classrooms; update and lessons learned from the NECAP Science Assessment - May 2008; Discussions about Professional Learning Communities in Science. **Please bring a bag lunch - beverages will be served.**
- January 15 **Informal Science Data Work - Part II**
Audience: Informal Science Professionals
How do we "chunk" data for use in K-4, 5-8, 9-12 classrooms. Bring your data set samples. We will look at the GAISE Framework for Statistical Literacy. We will create some data sets and samples to share with educators during this working session. **(You can attend this session without attending session 1.) Please bring a bag lunch - beverages will be served.**
- February 4 **More Formative Assessment in Science (Group 2)**
Repeat of November 17th workshop.
Please bring a bag lunch - beverages will be served.
- March 3 **Science Leaders Forum #3**
Audience: Open to science leaders from any school, district, or organization.
What are students telling us about their prior science knowledge? What have they learned? Participants are asked to bring student work samples for use to examine. We will also look released items from the NECAP Science Assessments and their accompanying student samples. **Please bring a bag lunch - beverages will be served.**
- April 1 **Science Test Update**
Audience: Open to science teachers, science leaders from any school, district, or organization. Video Conferencing possible.
Looking ahead to the Science NECAP Test (May 2009). What is coming up. What are some ways to prepare? What should every teacher of science know about the NECAP Science Assessment? **Please bring a bag lunch - beverages will be served.**
- May 29 **Science Leaders Test Recap**
Audience: Open to science teachers and leaders from any school, district.
So - what went wrong or right with the NECAP in your school district? What kinds of things did your students struggle with? How can we

make the assessment better? **Please bring a bag lunch - beverages will be served.**

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