

### iPad 101 – The Missing Manual

Your iPad did not come with a user manual. You may be missing out on some of the basic features and settings. This session is for those who want an overview of the features and customizations available on the iPad. We will highlight apps for enhancing personal/professional learning and how the iPad can help you organize information from journal articles to your recipe collection. Time permitting, we will demonstrate some content specific education apps, but the focus of this session is personal productivity and maximizing the device as a personal learning resource. We're convinced you won't miss the manual once you learn the basics, and after these tips, you'll appreciate this revolutionary device even more.

We will cover features of the iPad 2. Owners of first generation iPads are welcome, but please note that a few items will not apply.

**Date:** Tuesday, March 13, 2012  
**Time:** 12:30 to 5:00  
**Instructors:** Lori Langlois and Matt Treamer  
**Cost:** Member school staff \$40, Associates \$50 and Others \$60

**Register:** <http://bit.ly/ncesipad>

### Elementary Science with Vernier's Sensors & Probes

Join us for this two evening hands-on experience to help you integrate science activities with sensors and probes in your classroom. You'll have access to the activities in the Elementary Science with Vernier lab book, enabling you to investigate the topics of temperature, motion, force, magnetism, light, electricity, and pressure. Once you understand the basics, there is no limit to using these mobile LabQuest devices and accompanying instruments in your classroom and out in the field.



**Who should attend?**  
 The primary audience for these sessions is elementary educators. Middle and high school educators are welcome to attend, but note that the experiments demonstrated will be geared for K-6. With that said, the LabQuest, LoggerPro, sensors and probes are indispensable to middle and upper science classrooms. This is a great introductory session to familiarize yourself with the equipment for any grade level.

Individual or team participation. Limited to 15 individuals or team combinations.

**Dates:** Thursday, March 8th and Monday, April 9, 2012  
**Time:** 4:30 to 8:00  
**Instructors:** William Church and Steve Roberts  
**Location:** NCES, Gorham, NH  
**Cost:** Member school staff \$40, Associates \$50, Others \$60  
**Register:** <http://bit.ly/labquest>

[Download a brochure.](#)

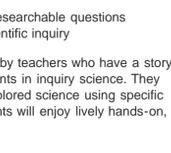
*This series is made possible through the Rural School Educator Effectiveness Collaborative*

### Making Friends with Fractions!

This is a two-part series intended for K-8 teachers.

#### Developing Conceptual Understanding via Multiple Representations

**New Date:** Thursday, March 29, 2012  
**New Time:** 3:30 to 5:30



During this workshop participants will discuss and try out different ways of representing fractions using words, pictures, and manipulatives. Classroom-ready models and activities will be provided.

#### Four Arithmetic Operations With and Without Traditional Algorithms

**Date:** Thursday, April 12, 2012 from 4:00 to 6:00  
 Using meanings of operations and the models developed during the first workshop, participants will discover the "whys" behind the traditional algorithms for operations with fractions. Classroom-ready models and activities will be provided.

#### Locations:

- Plymouth State University, Highland Building, Room 039
- North Country Education Services (Gorham) - video conference with onsite facilitator

**Instructor:** Dr. Natayla Vinogradova, Director of the NH Impact Center

**Cost:** \$20 for series. Priority to staff from SAHE partner schools.

**Registration for NCES & PSU sites:**  
<https://www.123signup.com/event?id=cp3hs>  
 (select location when registering)

*This series is made possible through the Rural School Educator Effectiveness Collaborative.*

### Scaffolding Inquiry Science in Elementary Grades

Explore inquiry science with teachers who have used the 5-E model of science instruction in their classrooms! Inquiry science engages students in doing what scientists do. Learn how you can help students:

- identify measurable and researchable questions
- design and conduct a scientific inquiry

These workshops are presented by teachers who have a story to tell about engaging their students in inquiry science. They will model how their students explored science using specific inquiry-based practice. Participants will enjoy lively hands-on, minds-on science workshops.

#### Electricity

**Date:** March 7, 2012 from 4:00 to 6:00  
 Participants will explore electrical circuits, and design and build a working electrical switch.  
**Presenter:** Heather Pelkey.

#### Simple Machines

**Date:** April 4, 2012 from 4:00 to 6:00  
 Participants will explore the relationship between force and distance while creating a lever to complete a task.  
**Presenter:** Valerie Wilber.

#### Ecology

**Date:** May 9, 2012 from 4:00 to 6:00  
 Participants will explore biological sampling techniques, mapping and related mathematical skills.  
**Presenter:** Linda Balk.

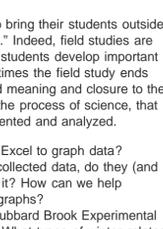
**Cost:** \$60 for series or \$20 per session (priority to SAHE partnering schools)

#### Locations:

- Video conferenced to North Country Education Services, 300 Gorham Hill Road, Gorham, NH
- Keene State College – Southwest NH Educational Support Center

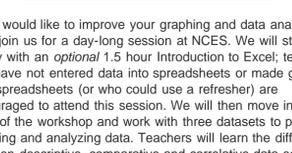
#### Registration:

- To register for the NCES/Gorham location, visit [http://bit.ly/nces\\_inquiry](http://bit.ly/nces_inquiry)
- To register for the Keene location, visit the [SVnhESC](http://www.svnhesc.org) site.



*This series is made possible through the Rural School Educator Effectiveness Collaborative.*

### Implementing Common Core State Standards



The NH DOE has developed 8 Common Core Messages that help to capture an overview of the Common Core State Standards. This session will focus on those messages and investigate resources and tools available to use with staff in order to conduct discussions and work relating to implementation of CCSS. Resources will include websites, webinars, presentation tools, and examples of curriculum materials created by NH schools. Time will be provided for teams to determine next steps for implementation plans.

**Target Audience:** School and District Administrators, Curriculum and Instruction Specialists, Teacher Leaders, General

**Presenter:** Christine Downing, NHDOE Consultant  
**Date:** March 28, 2012  
**Time:** 8:30 to 12:00  
**Location:** NCES, Gorham, NH  
**Cost:** Free, registration required by calling 800-268-5437, 603-466-2907 or emailing [lisa@ncedservices.org](mailto:lisa@ncedservices.org).

### Common Core State Standards for Mathematics

The Common Core State Standards in Mathematics were released in June 2010. So what does this mean for mathematics curriculum, instruction, and assessment in New Hampshire and its schools? Come learn about these standards including:

- how they were developed;
- what is emphasized at each grade level;
- how do they support learning progressions;
- why mathematical practices are important; and
- how will these new standards be assessed.

**Target Audience:** Mathematics teachers K-12, curriculum and instruction, administrators, teacher leaders and coaches.

**Presenter:** Christine Downing, NHDOE Consultant  
**Date:** March 28, 2012  
**Time:** 1:00 to 4:30  
**Location:** NCES, Gorham, NH  
**Cost:** Free, registration required by calling 800-268-5437, 603-466-2907 or emailing [lisa@ncedservices.org](mailto:lisa@ncedservices.org).

### CCSS for English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects

The Common Core State Standards for English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects were released in June 2010. So what does this mean for curriculum, instruction, and assessment in New Hampshire and its schools? Come learn about these standards including:

- how they were developed;
- what is emphasized at each grade level;
- how do they support learning progressions;
- why text complexity is important; and
- how will these new standards be assessed.

**Target Audience:** K-12 Educators of ELA, Social Studies, Science and Technical Subjects; Curriculum and Instruction administrators, Teacher Leaders and Coaches

**Presenter:** Christine Downing, NHDOE Consultant  
**Date:** March 29, 2012 (misprinted as the 28th in the February newsletter)  
**Time:** 8:30 to 12:00  
**Location:** NCES, Gorham, NH  
**Cost:** Free, registration required by calling 800-268-5437, 603-466-2907 or emailing [lisa@ncedservices.org](mailto:lisa@ncedservices.org).

### Graphing and Analyzing Winter Data from Hubbard Brook

Teachers are encouraged to bring their students outside and collect data in the "real world." Indeed, field studies are engaging, place-based, and help students develop important science process skills. But many times the field study ends with the collection of data. To add meaning and closure to the lesson, as well as to stay true to the process of science, that data should be graphically represented and analyzed.

- Are you comfortable using Excel to graph data?
- Once your students have collected data, do they (and you) know what to do with it? How can we help students learn to interpret graphs?
- Are you familiar with the Hubbard Brook Experimental Forest in Woodstock, NH? What types of winter-related measurements are made at the HBEF, and what are these measurements telling us in terms of winter climate change in New Hampshire?



If you would like to improve your graphing and data analysis skills join us for a day-long session at NCES. We will start simply with an optional 1.5 hour Introduction to Excel; teachers who have not entered data into spreadsheets or made graphs from spreadsheets (or who could use a refresher) are encouraged to attend this session. We will then move into the heart of the workshop and work with three datasets to practice graphing and analyzing data. Teachers will learn the difference between descriptive, comparative and correlative data sets as well as which types of graphs are appropriate to make with which types of data. We will practice interpreting the graphs we make and discuss when it's appropriate to add trendlines.

We will work with data in the context of winter climate change. Hubbard Brook's decades-long ecosystem research and monitoring has captured significant changes in the characteristics of winter: daily temperatures, snow depth, and ice duration on Mirror Lake are just a few examples. These physical changes affect the greater ecosystem, and some of the data we work with will provide you with examples of just that.

This active and informative workshop is brought to you by the Hubbard Brook Research Foundation.

**Instructors:** Jackie & Geoff Wilson, Hubbard Brook Research Foundation  
**Date:** Tuesday, April 3, 2012  
**Time:** 8:45- 10:00 Introduction to Excel (optional) and 10:15-3:00 Graphing and Analysis Workshop  
**Location:** NCES building, 300 Gorham Hill Road, Gorham, NH  
**Cost:** Member school staff \$30, Associates \$40, Others \$50  
**Register:** <http://bit.ly/nceshubbar>

### Education in the 21st Century and Beyond



[Download brochure](#)

[Registration](#)

### A Forest for Every Classroom

A Forest for Every Classroom (FFEC) is a year-long professional development series for middle and high school educators, aimed at providing the inspiration, knowledge and skills required to transform classroom teaching into effective and exciting place-based education. You do NOT need to be a science teacher to participate! Teachers develop their own units to increase student literacy skills and foster student understanding of—and appreciation for—the forested lands in their communities. These units integrate hands-on study of the natural and cultural resources of the local community, addressing concepts in ecology, sense of place, civics, and forest land management and stewardship.

The FFEC program provides 11 days of professional development over the course of four seasons, including a five-day residential summer session. Most sessions are based at the world-class Hubbard Brook Experimental Forest in Woodstock NH.

Visit [www.nhplf.org](http://www.nhplf.org) to learn. Registration deadline is March 30th.

### Military Culture 101

Children face enormous challenges when a family member is deployed to active duty in a "combat zone." Every day, they may have more to do or fewer opportunities to play ball because the family member is away. Every night, the news reminds them that their loved one may not come home. And the family member staying at home may be under additional stress creating an environment that is quite different from what these children have had before. Military 101 provides information to school personnel on what these children and their families face and how this can impact the life of the child and what it can mean to the child's education.

**Date:** Wednesday, April 4, 2012  
**Time:** 8:30 to 12:30  
**Cost:** Free  
**Register:** Please call NCES at 800-268-5437 or 603-466-5437

### Reintegration and Special Topics: NH National Guard Follow Up

For those individuals who have already participated in a "Military 101" training (including those who attended the morning session), this session is designed and focused on the return of the Brigade and how it impacts the children.

Special topics include (but are not limited to):

- Reintegration
- Dual deployments of both parents
- The dynamics of being a "step" family

**Date:** Wednesday, April 4, 2012  
**Time:** 1:20 to 3:45  
**Cost:** Free  
**Register:** Please call NCES at 800-268-5437 or 603-466-5437

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### Education in the 21st Century...and Beyond

The LESCNC 4th annual spring conference at Church Landing, Meredith, NH. Featuring keynote speakers Tony Baldassarro and Patrick Larkin. Friday, April 6, 2012. Visit <http://www.lesnc.org/> fmi.

### Learning Forward NH Spring Conference

Featuring Ruben Puentedura May 9, 2012 SNHU, Manchester, NH [learningforwardnh.org](http://learningforwardnh.org)

### News from the Arts Alliance of Northern New Hampshire

#### North Country Conference on the Teaching of Writing with Linda Rief

The Arts Alliance of Northern NH & SAU #9 invite you to our annual *Write Now!* conference where New Hampshire treasure Linda Rief -- teacher, international presenter and author or co-editor of six books on writing -- will guide participants at all grade levels (K-12) as they learn how to keep reading and writing central in their classrooms. The conference focuses on the Writer's-Reader's Notebook, a vital and versatile tool that gives students of all ages and abilities a place to collect their thinking and develop their writing voices -- and supports Linda's unshakable belief that students' voices need to be heard as they wonder, question, argue, reason, change their minds or affirm their thinking. The notebook provides a structure that gives consistency in form and function for both students and teachers.

The conference takes place from 8:45 am to 1:30 pm Saturday, March 31 at Kennett High School, North Conway, and includes brunch and a chance to purchase Heinemann books at a 30% discount. Registration is \$65 until March 10 (\$65 after), with discounts for Arts Alliance members (\$30), faculty and staff from Arts Alliance member schools (\$40) and college and graduate students (\$20). For additional information and to register, [click here](http://www.lesnc.org/).

#### Caravansera! Continues: Pakistani Folk and World Music

The Arts Alliance of Northern NH presents the third and final component of *Caravansera! A Place where cultures meet* by introducing one of Pakistan's most beloved contemporary folk singers, Arif Lohar, to New Hampshire audiences. Arif will be joined by talented world music songstress Arooj Aftab in school presentations and public performances around the region. Schools or community venues interested in hosting a program can call us at 323-7302 or email [info@aanh.org](mailto:info@aanh.org). Caravansera!, funded in part by the Doris Duke Foundation for Islamic Art and managed by Arts Midwest, introduces American audiences to some of the most exciting and dynamic artists from the Muslim world. The Arts Alliance is one of five arts organizations nationwide chosen to participate in the project's pilot year.

#### NC Middle Film Festival

The second annual North Country Middle School Film Festival will be held at the Rialto Theatre in Lancaster on Saturday, March 24, 2012.