



NHSTE ~ Tech Teachers/Integrators SIG
Apps Across the Curriculum
 SERESC, Bedford, NH
 Thursday, April 9th, 2015

OPENING SESSION (9:00 to 9:45) in Rooms 200/201

APPetite for Connected Learning

presented by Amy Cantone, 5th Grade Teacher, SAU 16 ~ Brentwood (acantone@sau16.org)

Discover how one fifth grade classroom teacher is maximizing the "six C's" of connected learning: creation, collaboration, curriculum support, classroom management & documentation, and coding.

REMINDER: the **Exhibitor Playground Area** is open from 8:30 a.m. to 3:10 p.m., so be sure to plan a time to check this out and get some "hands-on" experience with our eight exhibitors!

AM CONCURRENT SESSIONS

Session 1: 10:00 to 10:35 ~ Please select one of the following sessions, intended grade range is in brackets []:

Room 200 <i>Using iPad Applications to Demonstrate Learning</i> [4-12] <i>(repeated Session 4)</i>	Room 201 <i>Apps for Classroom Coding</i> [K-8]	Room 209 <i>Earth from Space: Modeling Earth Systems Science from NASA Satellite Data</i> [4-12]	Room 210 <i>Integrating Wide & Close Reading of Nonfiction into Daily Practice</i> [K-12]
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Using iPad Applications to Demonstrate Learning ~ Nancy Keane, Librarian & Melissa McCaffrey, 6th Grade Teacher, Rundlett Middle School (nkean@concordnhschools.net & mccaffrey@concordnhschools.net)

Join the Rundlett Middle School librarian and a 6th grade teacher to learn ways that the 1:1 iPad initiative has changed the way students demonstrate their understanding of research. Students engage in research using books and web resources. One of the end products allowed students to use the TouchCast newsroom app to present their findings as real-life newscasters. In another project, the students use augmented reality to bring their research to life with the Aurasma app. Looking for fun ways for your students to create research reports? Come along and see how 6th graders are using the iPad to show what they have learned.

Apps for Classroom Coding ~ Amy Cantone, 5th Grade Teacher & Lisa Brown, 4th Grade Teacher SAU 16 ~ Brentwood (acantone@sau16.org & lbrown@sau16.org)

See how coding works with our youngest learners. Learn about sites, apps, and devices to make coding accessible, engaging, and tangible.

Earth from Space: Modeling Earth Systems Science from NASA Satellite Data ~ Allan Baer, President, SolarQuest L3C (abaer@solarquest.us)

Next Generation Science Standards (NGSS) rely heavily upon the use of real-world Earth Systems Science (ESS) data and geoscience models for teaching and learning about Coupled Human and Natural Systems (CHNS) across multiple performance standards at all grade levels. Using geoscience models, students are expected to develop, analyze and interpret data, use mathematical and computational thinking to construct explanations, design solutions, engage in argument, and demonstrate understanding of the core ESS ideas. Underlying the logic of the use of models is the finding through research that spatial ability (which can be assessed and improved with DVG technologies) is the principal indicator for identifying high-school students who pursue STEM careers and the main attribute among students who later achieve advanced STEM educational and occupational credentials. This session provides a demonstration of satellite-based Digital Video Globe (DVG) flat-screen instructional technology for the K-12 classroom.

Integrating Wide & Close Reading of Nonfiction into Daily Practice ~ Jerry Scacchitti, Regional Vice President, Renaissance Learning (jerry.scacchitti@renaissance.com)

Designed with the busy educator in mind, Renaissance brings together wide and close reading of articles and books, fiction, and nonfiction, as well print and digital texts to engage students in independent and instructional reading. With a leveled nonfiction article collection teachers can easily find and share high-interest informational texts with built-in skills practice. Teachers receive a 360-degree view of students' performance to stay on top of growth, practice, and instruction.

Session 2: 11:00 to 11:35 ~ Please select one of the following sessions, intended grade range is in brackets []:

Room 200 Using Google Classroom & Remind to Increase Communication [6-12]	Room 201 Apps To Get You Moving! [K-8]	Room 209 Creating Personalized Digital Libraries for Students ~ Make Reading Your Own [K-12]	Room 210 The Essential Dozen: One Dozen of the Must-Have FREE Apps for Educators [K-12]
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Using Google Classroom & Remind to Increase Communication ~ Randy Wormald, Math Teacher, Kearsarge Regional SD & Justin Bourque, Tech Integrator, Concord SD (rjworm@gmail.com & jbouque@concordnhschools.net)

Two of the greatest apps to increase communication, Google Classroom and Remind, are demonstrated. Participants receive first-hand experience with the apps and hear stories from two different approaches. Join us in this interactive session if you have never used the apps before or you are a veteran user who could contribute to the discussion.

Apps To Get You Moving! ~ Rebekah Gonzalez, Physical Educator & Karen Switzer, Technology Integration Facilitator, SAU 30 ~ Laconia (rgonzalez@laconiaschools.org & kswitzer@laconiaschools.org)

Discover apps and strategies using technology to provide physical activity for students in the classroom and Physical Education. These apps are great for movement breaks, centers, and group activities. They are kid tested and approved! Participants have the opportunity to try the apps and learn how they are used for maximum activity with a limited number of iPads.

Creating Personalized Digital Libraries for Students ~ Make Reading Your Own ~ Mark DeFranco, New England Regional Manager, MyON (mdefranco@myon.com)

Explore the latest technological tools in digital books that allow students to share their notes with classmates and teachers, encouraging continued collaboration among learners and educators that extends well beyond class and the school day. Research shows that having access to a personalized library of content that is matched to and fit for individual students is paramount to engagement. Discover how to provide students with the opportunity to connect with the books they read and the skills of reading in new and innovative ways. Extend reading into the home, with students' families, and with their community.

The Essential Dozen: One Dozen of the Must-Have FREE Apps for ALL Teachers & Therapists ~ Sue Drouin M.S., CCC-SLP Speech-Language Pathologist, Owner, CommuniK-9 (sue@communik-9.com)

Explore the Essential Dozen collection of iDevice apps with the potential to increase your productivity and organization, streamline your data collection and record keeping, and allow you to easily create materials for teaching and to showcase learning. Learn how to easily customize an app, annotate images, fill-in worksheets, create screencasts and digital books, and send personalized postcards with audio and text messages. Learn about App Smashing and see how this fundamental collection of FREE apps works together. A handout detailing the name of each app with an active link to iTunes and a description of the app's key features and how it is best used in education is provided.

POST LUNCHEON PRESENTATION (12:30 to 1:00) in Rooms 200/201

Going Google! Chrome Apps & Extensions to Support All Learners

presented by *Diana Petschauer, Assistive Technology Professional, Assistive Technology for Education*
(dp.atspecialist@gmail.com)

Many schools are increasing their use of Google Chrome Apps for Education, as well as implementing 1:1 devices for students. How do Educators support students while using Google Chrome? Come learn about several FREE and low cost apps and extensions to support students in the classroom as well as at home to complete assignments, including options for text to speech, voice recognition (speech to text), highlighting and study skills, organization and time management, mind-mapping, researching, visual support, math support and more! These apps and extensions support all learners, including those who struggle with literacy and executive function.

PM CONCURRENT SESSIONS

Session 3: 1:20 to 1:55 ~ Please select one of the following sessions, intended grade range is in brackets []:

Room 200 There must be an app for that... [K-3]	Room 201 Top 5 iPad Apps for Struggling Readers & Writers [4-12]	Room 209 Tablets & Google Play for Education: Designed for Learning-Made for the Classroom [K-12]	Room 210 What device will work best in your school? [K-12]
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There must be an app for that... ~ Meredith Bastien, Special Education Teacher, Timberlane Regional SD
(meredith.bastien@timberlane.net)

Discover ideas for implementing and managing iPads in your classroom. Explore a variety of apps used for teaching prerequisite iPad skills and foundational reading and math skills.

Top 5 iPad Apps for Struggling Readers & Writers ~ Diana Petschauer & Stacy Driscoll, Assistive Technology Professionals, Assistive Technology for Education (dp.atspecialist@gmail.com & driscoll2920@comcast.net)

There are many apps available to support struggling learners in the classroom. Explore the top 5 apps to get you started, to help you support your struggling student immediately. These apps support access to textbooks, research, and learning materials, as well as support for reading, writing, and completing homework. Apps to support literacy and executive functioning, including text to speech, voice recognition (speech to text), accessible textbooks and learning materials, word prediction, note taking, audio recording, mind-mapping and scheduling/ reminders. Learn realistic application and implementation to begin using in your classroom today! iPad accessibility features (built-in) will also be discussed

Tablets & Google Play for Education: Designed for Learning-Made for the Classroom ~ Maureen Corlett, Learning Environment Advisor, CDW-G (maureen.corlett@cdw.com)

Join CDW•G to learn about Google's new managed tablet offering! Google Play for Education allows your technology team to easily deploy and manage tablets and helps your teachers to find educator-approved apps, books, and videos to use with students. CDW•G is here to provide an overview to the program, show a live demo of Play for Education, and talk about top apps to empower teachers!

What device will work best in your school? ~ Lynne Edgehill, Territory Manager, Acer (lynne.edgehill@acer.com)

Come learn about Acer's award winning product portfolio for education. Explore and discuss the features and benefits of the NEW Chromebooks and W8 Systems; including our affordable "Shape the future" notebooks, tablets, and desktops.

Session 4: 2:20 to 2:55 ~ Please select one of the following sessions, intended grade range is in brackets []:

Room 200 Creative Ways to Take Your Hands off Your iPad! [K-5]	Room 201 Slide Away from Powerpoint! [K-12]	Room 209 Mobile Apps ~ Ensuring Performance & Security on a Wireless Network [6-12]	Room 210 Using iPad Applications to Demonstrate Learning [4-12] (repeated Session 1)
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Creative Ways to Take Your Hands off Your iPad! ~ Holly Doe, Technology Integrator, Pelham SD
(hdoe@pelhamsd.org)

Learn about exciting new products and apps that engage students with apps but decrease the "Screen time" that we all worry about. We will also explore "white boarding" apps and using the iPad as a teaching tool with students.

Slide Away from Powerpoint! ~ Gena Richards, Middle School Technology Teacher, Timberlane Regional SD
(gena.richards@timberlane.net)

Are you tired of seeing PowerPoint after PowerPoint? This educator shares presentation apps and online presentation sites that can be used in class or at home for the students. These are a great way to engage students and result in more interesting projects.

Mobile Apps ~ Ensuring Performance & Security on a Wireless Network ~ Raymond Benoit, President, RMT Communications (rbenoit@removethemystery.com)

With all these mobile apps how can I ensure performance & security on a wireless network? Deploying mobile apps without planning an effective wireless network is like delivering a collection of Ferraris to an area with only dirt roads . . . it will work, but not that well. Join RTM to learn how teachers and IT support personnel can assure peak performance, limit access to specific apps or devices, and report on overall usage and performance of the applications that are key to student success.

Using iPad Applications to Demonstrate Learning ~ Nancy Keane, Librarian & Melissa McCaffrey, 6th Grade Teacher, Rundlett Middle School (nkean@concordnhschools.net & mccaffrey@concordnhschools.net)

Join the Rundlett Middle School librarian and a 6th grade teacher to learn ways that the 1:1 iPad initiative has changed the way students demonstrate their understanding of research. Students engage in research using books and web resources. One of the end products allowed students to use the TouchCast newsroom app to present their findings as real-life newscasters. In another project, the students use augmented reality to bring their research to life with the Aurasma app. Looking for fun ways for your students to create research reports? Come along and see how 6th graders are using the iPad to show what they have learned.

~~~~~ **NHSTE Supports “Going Green” by Posting Digital Resources** ~~~~~

- 🌱 Our presenters are encouraged to “Go Green” and print a minimum number of handouts. Instead we encourage them to post their resources on a Google Doc with access to anyone with the URL.
- 🌱 The address for the Apps Across the Curriculum Google Doc is: <http://tinyurl.com/TTSIG2-4-9-15>
- 🌱 If you have never used a Google Doc, do not fear, it is simple to access and easy to post. We have created this as a public page; so anyone with the address can go to the site, post comments, share resources, and access workshop information. You do not need to set up an account to access or post to this page.
- 🌱 When you go to the Google Doc you will see a copy of this handout pasted on the page. There will be a space following each session description for the presenter to add links or upload files that you can download.
- 🌱 If you want to add to the Doc, just type away. Please proofread your comments for grammatical correctness and be professional in your postings.
- 🌱 Join us and become part of the interactive web!

***Here are a few links you might find helpful as well . . .***

***Digital Wish’s Apps Center for Education Helps Teachers Identify Android Apps for the K-12 Classroom!***

Funded by a grant from the Motorola Mobility Foundation, Digital Wish has just launched the Digital Wish Apps Center, the newest tool designed to help teachers find the best educational applications designed for the Android operating system. [http://www.digitalwish.com/dw/digitalwish/apps\\_center](http://www.digitalwish.com/dw/digitalwish/apps_center)

***TCEA-Recommended iPad Apps***

This Google spreadsheet is publically available and contains hundreds of apps listed by over 50 different categories – the matrix is color-coded to easily identify FREE resources and prices are listed for those with a cost.

<http://www.tcea.org/ipad>

***From eSchoolNews ~ 10 of the best apps for education***

As smart phones become integrated in classrooms, educators and students are looking for new ways to apply them to the learning process. Applications on mobile devices can help automate current classroom processes or present new ways to learn that previously had been unexplored. In this collection, eSchoolNews’ Associate Editor, Meris Standbury assembled a list of education “apps” for Apple and Android devices of note, and many are free.

<http://www.eschoolnews.com/2014/01/20/apps-education-2014-624/>

***APP-APEDIA ~ Dr. Robbie Melton’s searchable database of 50,000+ of apps***

Apps in this database can be filtered by purpose, mobile device, academic area, education level, and ed specialty. The sole purpose of this site, hosted by Tennessee Board of Regents (TBR), is to identify apps for educational and workforce use. <http://www.appapedia.org>

***25 STEM Education Apps You Need in 2015***

From the Education Insider, Willow Becker presents the 25 best, boldest, and brightest STEM edtech apps (many of which are free for Android and Apple iOS) that will keep your students ready to “rock the STEM” for another amazing year! <http://blog.iat.com/2014/12/29/25-stem-education-apps-you-need-in-2015/>

*Please note that listing of the above resources is not an endorsement of any organization or product.*