APPALACHIAN RENAISSANCE INITIATIVE
Educational Excellence in the Heart of the Mountains

Tech Tuesday Update (8/26/14)

Upcoming Important Dates

September 1st – Due Date for Next Generation Classroom Assurance Agreement.

September 2nd – ARI Teacher Innovation Mini Grant Applications are due. Applications should be emailed to bernadette.carpenter@magoffin.kyschools.us

September 9th – STARS Entrepreneurial Teacher Training Session at KVEC Offices in Hazard from 9:00 AM until 2:00 PM. Contact kelli.thompson@pike.kyschools.us for further details.

September 10th – Next ARI Innovation Coordinator's meeting at Paintsville Independent. Contact jeff.hawkins@hazard.kyschools.us for further details.

September 12th – Early childhood (preschool) provider training with KET science and reading modules - at KVEC office. Registration will be available this week. Contact Jim Tackett at jtackett@centertech.com for further details.

September 17th – STARS Innovation Mini Grant Deadline. Same application as the teacher innovation mini grant. Contact kelli.thompson@pike.kyschools.us for further details.

September 19th – ARI Student Senate members receive an iPad Air at the Student Senate Inauguration in the Pike County Judicial Center beginning at 10:00 a.m. Contact kelli.thompson@pike.kyschools.us for further details.

September 20th – BCPS/OVEC FLIGHT Institute – follow the link to find out more. http://bcpsovectakeflight.eventbrite.com

September 22nd & 23rd – Next Generation Leadership Academy. Contact linda.france@uky.edu for further details.

September 25th – Social Studies Teacher Leader Network Meeting. Teacher Leaders will review and provide feedback on the FIRST DRAFT of the new KCAS for Social Studies. Contact carole.mullins@education.ky.gov for further inquiries.

September 25th & 26th – Next Generation Teacher Leader Academy. Contact linda.france@uky.edu for further details.

Questions of the Week *(Previous Questions of the Week Attached)*

Repeat *My district technology coordinator told me there is a problem with active directory in the KETS network that is preventing them from setting up user accounts with our Next Generation Academy's MacBook Air we just received. What do we do?*

The MacBook Air does not have to use the active directory. Active directory allows technicians to create user accounts that teachers and students can use regardless of what machine they login with. If the MacBook is not bound to active directory it cannot be used in this way. Since the laptop will only be used by the teacher who received it, binding to active directory is not a necessity, just allowing access to the school's wireless network. Technology coordinators can give access to the school's wireless network, so teachers can use while at school and switch networks when at home or at Next Generation Academy meetings. The problem with active directory is known and KETS Engineers are working to resolve the problem. See email notification below of their progress sent out Friday, August 15th.

KIDS staff continue to work on several AD related issues with representatives from Apple and Microsoft. Todd Wellman is onsite in Frankfort again today and we'll be working with representatives from Microsoft to identify root cause of the issues which are:

- *Authentication on Apple devices that use BIND for network connectivity.*
- *Provisioning delays for password resets and account creation in O365.*

Matt Jury | Assistant Director, Division of Operations and Services
Office of Knowledge, Information & Data Services (KIDS)
Kentucky Department of Education (KDE)
P. 502.564.2020 ext. 2404 | E. matt.jury@education.ky.gov

New Follow-Up to Question Above *Is ARI responsible for security updates and maintenance of the MacBook Air that Next Generation Teacher Leaders received?*

Some districts feel there is minimal risk with an Apple product and are comfortable with not binding it to the active directory. These districts have accomplished use for teachers in this way. Not perfect, but a solution for now they have chosen. Next Generation Teacher MacBooks are technically the property of ARI for four years and then districts can purchase them for one dollar. Probably makes sense to view them like a quasi-personally owned device. However, ARI is asking for help from

districts in the items listed in the attached assurance agreement, as well as general technical help to the teachers who are using them.

The request of ARI is that teachers be able to access the internet while at school and also be able to access networks while at home, Next Generation meetings, or any other professional development experience. At the end of the school year, districts will return the MacBook Airs to the ARI technology staff to re-image the laptop, so they may be reassigned to the next cohort of Next Generation teacher leaders.

New *Why has ARI asked for district's media release? We would have turned in our district's media release, but we are waiting to collect all the signed forms from students?*

Sharing the work of ARI is essential to promoting and encouraging future work that will benefit students. ARI will need your help in sharing the story through student work, images, video, etc. that will tell the story with more clarity than any other form of communication. To make certain we have taken steps to ensure the protection of students whose parents elect not to share their child's work, image, etc., we have asked for each district to submit their current media release. ARI will not need signed forms from all parents, but instead a blank form of what parents are asked to sign or passively agree to, by not signing. This has allowed ARI to review current media releases in an effort to send back out a model policy each district should consider. If the district's media release does not cover items in the model media release, then the district should consider revision to ensure they are operating within legal guidelines that offers the needed flexibility of modern media sharing. Any student images, video, work, etc. shared with ARI for publication should be allowed by the district's media release with the district ultimately liable. Find attached the Kentucky School Board Association's model media release for comparison.

New *Who is my ARI District Liaison?*

ARI Core Team Liaisons and Innovation Coordinators

ARI District	ARI Liaison	Innovation Coord.
Breathitt County	Dr. Dessie Bowling	Susan Watts
Floyd County	Teresa Lockhart	Courtney DeRossett
Harlan County	Dr. Katrina Slone	Brent Roark
Hazard Independent	Bernadette Carpenter	Vivian Carter
Lee County	Dr. Will Kayatin	Steve Carroll
Letcher County	Kelli Thompson	Twyla Messer

ARI District	ARI Liaison	Innovation Coord.
Magoffin County	Bernadette Carpenter	Angie Skaggs
Middlesboro Ind.	Jennifer Carroll	Melissa Bailey
Pike County	Abbie Combs	Mary Stiltner
Pikeville Independent	Johnny Belcher	Mary Belcher
Paintsville Independent	Andrew Castle	Bryan Auxier
Owsley County	Ron Daley	Paul Green
Knott County	Sandy Hogg	Kelly Hall
Wolfe County	Dr. Katrina Slone	Wilma Terrill
Jenkins Independent	Kelli Thompson	Crystal Carter
Jackson Independent	Dr. Dessie Bowling	Jeff Coots
Johnson County	Andrew Castle	Noel Crum

New Featured APP by Jeff Coots

Educreations Interactive Whiteboard – iPad App

I really wanted to create video lessons, so that my students could watch them over and over if they needed. I had been using *Screenchomp* app and liked it, but it was difficult to upload files. In addition, the files had to be uploaded to a separate site. A bit complicated.

What *Educreations* does is provide you a whiteboard app and a site to store your videos. You have control over who has access to them, but it also provides you with a link that you can place on your website or learning management system.

I have not only used it for creating videos, but also found another cool use for it to motivate student homework. I wanted my students to understand that homework is not a punishment, but a reward. During class one day, one of my students asked if he could make a video of one of the problems and share it with me. I said yes, of course, and from there started the idea that students could create videos of their

homework. Most often, I only assigned 10 problems or less for homework. By random draw, students were assigned a homework problem to complete with this app. They would come in the next day, show me their answer and if correct, they created the video.

Also, the site already has numerous videos that have been created in all content areas by teachers and students. It is a great resource. Please check it out. Best of all **IT's FREE!** To sign up for the online account, follow this link: http://www.educreations.com

For more information you may want to look at the app on iTunes
https://itunes.apple.com/us/app/educreations-interactive-whiteboard/id478617061?ls=1&mt=8

ARI Tech Tips

New KDE Resource Links by Frank Wells
See below for training resources from the KDE website and from Microsoft. They focus on Lync and One Drive for Business (formerly SkyDrive Pro). These have been posted for a while, but I thought this might be useful for those getting started with these products.

On-Demand:

- Video based/ Screen Casts – Archived videos for instructional integration scenarios, as well as tool "How to" training.
  - Get to Know Office 365 (Microsoft Web Site) - a series of video segments to download and use for a customized coaching experience.
  - SkyDrive Pro Introduction Video (3 Videos from the Microsoft Web Site)
- Helpful Documents – DOG, Readiness Guide, Quick Start Guides, and FAQs
  - Lync Online Help Topics (Microsoft Web Site)
  - Lync Meeting Organizer Help & Guidance (KDE Website)
  - Lync Best Practice Guide: Lync_BestPractice_Quick_ReferenceGuide.docx
  - Lync Quick Start Guide: Lync Online Meeting Organizer
  - SkyDrive Pro Quick Start Guide: SkyDrive Pro (customize).docx

A useful tool I like to use is the screenshot, whether it be on a PC or Mac. Being able to take a picture of what we are doing on a computer screen and embed it into a document, exam, or presentation is a critical tool for all educators.

See below for keyboard combinations that makes this quick work.

Key Board Combination	What it does?
Command-Shift-3	Capture the screen to a file
Command-Shift-Control-3	Capture the screen to the clipboard
Command-Shift-4	Capture a selection of the screen to a file, or press the spacebar to capture the window
Command-Shift-Control-4	Capture a selection of the screen to the clipboard, or press the spacebar to capture just a window

My favorite is the third one (Comand-Shift-4). I use it frequently, to place screen captures in emails, documents, exams, etc. If you use the shortcuts that have the image placed in the clipboard the image is replaced each time you use it.

Repeat **Ladibug & MondoPad Connection** by Jeff Coots

Each Next Generation Classroom Suite came with a Ladibug DC 170 document camera. When setup, the Ladibug camera was connected to the MondoPad by an HDMI cable. If the camera is hooked up using the HDMI Cable, the MondoPad becomes a display device only for the camera. However, if the document camera is connected using a USB cable, then it will work with the computer making it fully functioning with Ladibug software/drivers installed. For example, teachers will be able to capture images, video, and annotate on documents that can be saved and shared to the whole class. Find attached instructions, "*Ladibug Install for MondoPad,*" for completing the connection using the USB cable.

A Few Possible Uses in the Classroom:

- Enlarge text for students with vision impairments.
- Capture images of student work to share at parent/teacher conferences.
- Demonstrate how to measure, from liquids to solids, length, width, and temperature, using both standard and metric measurements. Use the camera to zoom in on the ruler or thermometer to show the smallest units and degrees.
- Teach students how to tell time.
- Record the correct method of holding or demonstrate proper fingering for a musical instrument.
- Demonstrate art techniques and record for repeated viewing.
- Do more dissection (owl pellets, cow's eyes, frog, sheep's brain, cat, etc.) without incurring the cost of providing each student with materials.
- Use as a budget stretcher. When budget permits only a single demonstration of an experiment, record it for playback to other classes on the same day and for future classes.
- Count money/coins together as a class.
- Save time by taking snapshots to post online rather than using a separate scanner.

Follow link for many more uses: http://www.mckeelschools.com/uploads/ibis/useyourdoccamera.pdf

LITE THE NITE TECHNOLOGIES LLC **Tech Tips** by Joseph Smith

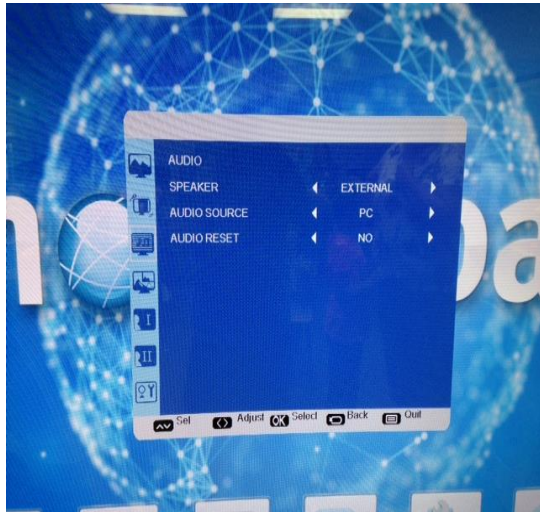New *InFocus MondoPad Guide* by Abbi Rath, InFocus Trainer

As a follow up to our training on August 18th and 19th, find attached a digital copy of the Infocus MondoPad Guide. This document guides you through using the common features of the InFocus Mondopad touchscreen display. In addition to this guide, don't forget that additional videos can be watched at http://www.infocus.com/videos. Also, make use of the *help icon,* which is located throughout various applications.

Repeat *How to use the MondoPad touch screen…*

As some of you may have figured out by now the touch screen is very sensitive. It is a 5 point touch unit, which means you can annotate with multiple students at the board, or draw a line off each finger on your hand running across the board. Keep in mind there are 4 camera sensors in the bezel(outer frame), one at each corner. About 1 mm off the screen the MondoPad is sensing for touch, so using the onscreen keyboard may become difficult if you have a knuckle or a 2nd finger too

close to the screen. It's a good rule of practice to use "hunt and peck" with your fingers or to use the stylus included with the units. It can be found on the right hand side while facing the unit, around the back. It is also suitable to use a pen with the cap on or anything else similar.

Repeat *The speakers for my MondoPad do not work?*

If having sound issues, this will be the first thing to check.

1. On the TV panel remote push the menu button.
2. Toggle down until you see audio settings (should be the 3rd one down)
3. Make sure the settings are set as shown in the picture to the left.
4. To change a setting, press the ok button, then right arrow to change a setting. When the correct one is selected, press ok once more.
5. Hit menu to exit out of the setting's page.

Promising Practice

Repeat Our first example of a promising classroom practice comes from PD360, now Edivation. PD360 stores searchable videos of classroom practice in action. One such example, is a part of the PD 360 series, "Fusing Technologies." Follow the below link to view a simple, but promising classroom practice for using technology. You will be required to login with your PD360 username and password. If you do not have a PD360 username and password, contact your district professional development coordinator. PD360 is free to Kentucky educators and can be accessed through CIITS or using the link below. If accessed through CIITS, a separate username and password is not needed to access PD360.

https://www.pd360.com/#resources/videos/2960

Repeat Some different approaches are emerging for how districts will utilize the Next Generation Classroom equipment. While local factors influence best practice, find attached an approach taken by one district, whereby a teacher application called, "District Next Generation Classroom Application," was used to select teachers who would lead the way. Selections by this district were made in a blind review committee using a second attachment called, "District Next Generation Classroom Application Score Sheet." Score sheets were collected from an administrative team after scoring and used to tally winners. Teachers selected will

be expected to share the equipment and present to faculty and other ARI sister districts.

Please submit your own videos or suggestions for this segment of our weekly Tech Tuesday email to johnny.belcher@pikeville.kyschools.us. This segment will be most helpful when our own teachers and schools are sharing fruitful practices from the field.

MondoPad Delivery (Update from Joseph)   LITE THE NITE TECHNOLOGIES LLC

The week of August 25th is on schedule for Floyd County and Hazard Independent. Joseph is optimistic that deliveries will be finished by the end of the week. Please continue to be patient and share needs and concerns as we progress. Feel free to contact Joseph with questions at Joseph.Smith@LTNTechnologies.com

Date 8-25-2014

Districts to Visit (*Subject to Change*)

Week of 7-14	Johnson County, Paintsville Ind.
Week of 7-21	Jackson Ind., Breathitt County, Lee County
Week of 7-28	Pike County 1st visit, Jenkins Ind.
Week of 8-4	Pikeville Ind., Pike County 2nd visit, Knott County, Magoffin County, Wolfe County
Week of 8-11	Harlan County, Letcher County
Week of 8-18	Hazard Ind. 1st Visit, Owsley County, Middlesboro Ind.
Week of 8-25	Floyd County, Hazard Ind. 2nd Visit

The HOLLER UPIKE Repeat

The Holler social learning network, www.theholler.org, is now fully up and running. Students from Southeast Community and Technical College in Harlan County have just completed a Digital Storytelling course in the Holler LMS (Learning Management Software) and ARI team members are currently creating new professional development courses in the system. We will be offering multiple courses throughout the fall semester, including Mobile Web Development and Documentary Storytelling. Students from UPIKE will begin sharing their work on the Holler social network this fall, and we will be promoting the site throughout eastern Kentucky, encouraging others to join in the conversation. If you would like to begin course creation contact BruceParsons@upike.edu.

After much hard work throughout the summer, the Holler studio on the University of Pikeville's campus is now up and fully operational. The site allows the ARI team to generate professional podcasts and videocasts, broadcast live from the studio, and broadcast live from almost any location in our 17 district coverage area. The Holler will also create original programming in gaming, education, filmmaking, college and career readiness, and much more over the next year. We will also begin gaming tutorials and development through the studio and twitch.tv, a service recently purchased by YouTube for more than $1 billion. With the combined efforts of the ARI team and the Holler studio and website, media generation will become second nature and both our reach and our connection to the core audience will grow exponentially. *The first programming will begin in September.*

Microsoft LYNC (Action Item) Repeat

As Microsoft LYNC will be the primary means of interconnecting the Next Generation Classroom Suites, LYNC needs to be installed on each MondoPad within your district. Some districts have already done this. If LYNC has not been installed on your MondoPads, could you please contact you DTC/CIO to help with this task? If not already, please work towards the end goal of LYNC being installed on all teacher computers, especially those with microphone and webcam capability. The ability to connect instantly via a video and audio connection, as well as in a meeting forum if needed, makes LYNC a technology tool worth using.

Next Generation Academy Teachers Receive a MacBook Air (FYI) Repeat

Starting the week of August 11th ARI Liaisons will be contacting Innovation Coordinators regarding the delivery of MacBook Airs for each of their teacher participants in the Next Generation Academy. Innovation Coordinators and ARI liaisons will decide upon one of two possible delivery methods. Each method is designed to emphasize the importance of the teacher's role in the Next Generation Academy and more importantly in the role of their student's learning. Teachers will be asked to sign the attached Assurance Agreement at the end of the presentation. Innovation Coordinators should review the Assurance Agreement for familiarity. Innovation Coordinators and teachers will also sign an inventory sheet correlating each MacBook to a teacher.

Method 1 - Innovation Coordinators may choose to travel with the ARI liaison to each school and deliver the MacBook Air in person. In this manner students would become a part of the ceremony when delivered in the teacher's classroom.

Method 2 - A second method may be necessary due to the size of the school district. As an alternative to in-person deliveries, Innovation Coordinators may ask teachers

from across the district to attend a short ceremony at a central location where the MacBook Air's would be presented.

Assurance Agreements (Action Item) Repeat

Find attached assurance agreements for ARI next generation classroom equipment and 1 to 1 devices. Our target due date for completion and submission of the NxGN Classroom Assurance Agreement is September 1st. Please try to make the deadline, but if an extension is needed don't hesitate to contact us. Districts' ability to involve teachers and administrators in the development of a realistic and complete plan for a successful implementation takes precedence over the target due date. Plan your work to try to meet the deadline and inform us otherwise if an extension is needed. The 1 to 1 Assurance Agreement will be needed before reimbursements can be sent out for devices. That due date will be different for each district pending decision and purchase dates. Reimbursements based on invoices will be paid up to the total allocation for each district. If districts purchase devices that total more than their allocation, they can submit that invoice and not have to break the invoice out for their convenience, but ARI will only pay "up to" the amount of their allocation. Invoices should be submitted to Ashley Parker (ashley.parker@hazard.kyschools.us). *ARI 1:1 and Next Gen Classroom device funding can be used only for the purchase/lease of student devices.*

Links/Resources Worth a Look

New Leaders vs. Managers - which are you? – Follow link:
https://www.youtube.com/watch?v=8ubRzzirRKs

New Don't Use Technology for Technology's Sake! – Follow link:
www.buncee.com/blog/eric-sheninger?utm_content=buffer424f5&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer

Repeat ACOT[2] Six Design Principles for the 21st Century High School – Follow link:
http://ali.apple.com/acot2/

Repeat KDE - Digital Learning Resources – Follow link:
http://education.ky.gov/school/diglrn/Documents/Internet-Digital%20Resources%20for%20Teachers.pdf

Repeat IT Best Practices for 1 to 1 Districts - Follow link:
http://thejournal.realviewdigital.com/?i=JULY%202014&acct=Z72188811&email=neil.arnett@pikeville.kyschools.us#folio=16

Repeat Preparing Your Network for Personalized Learning - Follow link:
http://www.centerdigitaled.com/paper/Preparing-Your-Network-for-Personalized-Learning.html?promo_code=PaperPromo_Featured_ThumbnailPlusText_Centerdigitaled

As always, please don't hesitate to contact any of us if you have any questions.
andrew.castle@johnson.kyschools.us
jeff.coots@jacksonind.kyschools.us
johnny.belcher@pikeville.kyschools.us