



Tech Tuesday Update (8/19/14)

ARI Tech in the News



<http://www.wkyt.com/wymt/home/headlines/Added-classroom-tech-part-of-Race-to-the-Top-Grant-270954031.html>



Added classroom tech part of Race to the Top grant



Upcoming Important Dates

Week of August 11th – Innovation Coordinators are contacted by their ARI Liaison to schedule the delivery of MacBook Airs to teacher participants in the Next Generation Academy

August 13th – Innovation Coordinators Meeting at UPike in CTC Building(119 College Street, Pikeville, KY 41502)

August 18th – MondoPad Training at KVEC offices in Hazard: Breathitt, Letcher, Lee, Jackson, Middlesboro, Owsley, Knott, Wolfe, Harlan, Jenkins, Hazard (See below for more details)

August 18th – Due date for receiving current District Media Release. Please submit to johnny.belcher@pikeville.kyschools.us

August 19th – MondoPad Training at Johnson Central High School in Paintsville: Pike, Paintsville, Floyd, Magoffin, Pikeville, Johnson (See below for more details)

August 21st – Innovation Coordinators meeting at KVEC offices in Hazard.

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

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.

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

- *We received MacBook Airs from our ARI liaison and presented them to our district's Next Generation Teacher Academy participants. Our teacher and the building technology coordinator cannot access the computer because they do not have the teacher username and password. Our technology coordinator cannot make needed changes, so the computer can access the local network without a username and password. What is the username and password?*

Building or District Technology Coordinators use the following:

Username: *tech*

Password: *aritech*

Teachers use the following:

Username: *teacher*

Password: *ari*

Once access is gained, feel free to change passwords for convenience.

- *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 of this 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.



ARI Tech Tips



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>

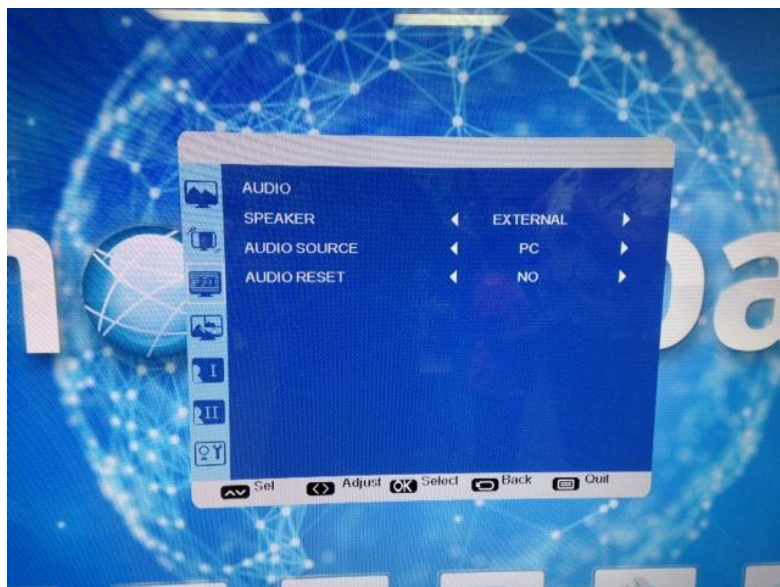
New *How to use the MondoPad touch screen...*

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 below.
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 page.





Promising Practice

- Our first example of a promising classroom practice comes from PD360. 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>

- 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)



The week of August 18th is on schedule for Hazard Independent and Owsley County. Joseph is reporting they are over 80% complete after last week’s deliveries. 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 - 8-18-2014

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. Pikeville Ind, Pike County 2nd visit, Knott County, Magoffin
Week of 8-4	County, Wolfe County
Week of 8-11	Harlan County, Letcher County
Week of 8-18	Hazard Ind, Owsley County
Week of 8-25	Floyd County
Week of 9-1	Middlesboro Ind.

The **HOLLER** UNIVERSITY OF PIKEVILLE **UPIKE**



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.

District Media Release (Request for Information) Repeat

In discussions with districts and among the ARI team we have discovered a need to review district's current media release that is signed by parents each year during enrollment. Throughout the school year, we hope to collect recorded images, voice, video footage or work of students (photographed, filmed, taped, or digitally recorded) from District Innovation Coordinators, school/district personnel or other district authorized persons and the ARI team. By August 18th, please submit by email to johnny.belcher@pikeville.kyschools.us.



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 ACOT² Six Design Principles for the 21st Century High School – Follow link:
<http://ali.apple.com/acot2/>

New 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.
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