

## K-12 TECHNOLOGY INITIATIVE COMMITTEE MEETING MINUTES

Meeting Date	February 28, 2013
Meeting Location	DSIT – 4430 Broad River Road, Columbia, SC 29210
Facilitator	Tom Fletcher
Note Taker	Gay Hoyer
Attendees	Tom Fletcher (DSIT), John Bane (DSIT), Valarie Byrd (DSIT), James Gordon (DSIT), Don Cantrell (SCDE), Karen Shamburg (SCDE), Beth Shull (AT&T), Amy Duernberger (SCSL), Jerry Pate (SC Telecommunications Assoc.), Bill Croteau (SCSL), Hunter Bliss (Lexington High School)

### AGENDA ITEMS

<b>Agenda Item 1</b>	Approval of Minutes	Presenter:	Tom Fletcher
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1. Tom Fletcher called the meeting to order and asked for approval or corrections to the minutes from the January meeting. The minutes were approved with no changes.

<b>Agenda Item 2</b>	Innovation and Education for the New Generation	Presenter:	Hunter Bliss
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1. Hunter Bliss, a student for Lexington High School, was the guest presenter for the February meeting.
2. Hunter is the president of the Lexington High School S.P.A.C.E (Students Preparing a Changing Earth) program as well as the creator of [www.itsabeautifulearth.com](http://www.itsabeautifulearth.com)
3. Summary of Hunter's PowerPoint:

#### Innovation and Education for the New Generation

##### A. Innovation's Role at Lexington High School

- a) Individual iPads
  - Paperless Possibilities
  - Students with Superpowers
  - Mixed Reactions
- b) Administration Open to New Ideas
  - Student Generated Ideas
- c) Massive Community
  - Technology Aware Student Body

##### B. What is Innovation?

- a) Problem solving, optimization, and creation of a new paradigm one idea at a time
- b) Engine for economic growth
- c) Direct result of intellectual activity
- d) Technology follows ideas

##### C. Advice for Educators

- a) Technology Empowers People (iPads are not effective if they are treated as iToys)
  - Introduce technology with comprehensive implementation
  - Space Program used Google and YouTube to research iPads
  - Better to connect people with visions so they can get excited
- b) Engage Students
  - Students love videos and pictures
  - Use collaboration (individual work is outdated)
  - Be enthusiastic (share passion with students)

- c) Reconnect with Humanity
  - Here we are on a rock floating through space and somehow we have developed the power of knowledge
  - Rapidly approaching the most defining era of presence on Earth
  - Learning isn't a conscious process when everything inspires wonder

D. Abstractions and Commentary

- a) Scientific understanding is necessary for utilization of technology
  - Technology miraculous when we know place in universe
  - Innovation and technology only ways for 14 billion humans to survive on Earth
- b) In world of design challenges, engineering and the STEM fields are money makers and paradigm creators
- c) How money can be saved for Internet Bandwidth
  - Encourage offline content – Download dictionaries, encyclopedias, and other savable resources so they can be accessed without Internet
  - Consider alternative resources for students and teachers – Google, YouTube, TED Khan Academy, MIT OCW, Big Think, etc.
  - Ask teachers to disconnect unused devices
  - Encourage P2P sharing
- d) Share Critical Information
  - It's hard to get people to read long documents for fun – FY 2011-12 Progress Report is 37 pages long
  - Students work if they feel they are working for their state – Students currently unaware of South Carolina's economic needs
  - Utilize media to share new ideas – Make videos for initiatives
- e) Don't convince people you are making a difference, show them a different state
- f) Earth's problems are similar to South Carolina's problems
  - Important fields for both SC and Earth:
 

Agribusiness	Aerospace	Engineering	Transportation
Energy	Recycling	Life Sciences	
- g) Don't focus on money, instead expand your perspectives out and the knowledge and skill will come

4. You may email Hunter with your questions at [www.itsabeautifulearth@gmail.com](mailto:www.itsabeautifulearth@gmail.com)

<b>Agenda Item 3</b>	E-Rate Status	Presenter:	Valarie Byrd
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**eRate News**

1. The eRate FY 2013 Application Filing Window will close on March 14, 2013 at 11:59 EDT.
2. \$350 million identified as available for roll-over into FY 2013.

**Committee Initiative – Bandwidth Allocation Policy Revisions for FY 2012-2013**

1. DSIT has negotiated revised contract rates for higher bandwidth tiers.
2. Bandwidth improvement recommendations will be provided in March.

**State eRate Program Status**

2012-13 (New Year) Application

1. USAC auditors are still processing the two remaining state eRate applications.

2013-14 (Upcoming Year) Application

1. DSIT has collected all site verification documents for schools and libraries.
2. DSIT has collected all CIPA forms for libraries and will begin collecting forms from the remaining network members after March 14<sup>th</sup>.

3. DSIT provided four additional free eRate training sessions to all network members.

**Bandwidth Allocation Deployment Phase IV-Fiber Placement Opportunities**

1. The following districts have active projects:
  - a. Berkeley (Phase II ½ completed)
  - b. Dillon 04
  - c. Spartanburg 07
2. The following districts are being evaluated:
  - a. Anderson 04
  - b. Anderson 05
  - c. Chester
  - d. Dillon 3
  - e. Edgefield
  - f. York 02
  - g. York 04

**Security Subcommittee / Network Status**

1. The Security subcommittee did not meet last month. Weekly communications were done via email.
2. The ISAC Group is focusing on the following items:
  - a. Increasing Staff
  - b. Coordinating the placement of new equipment
3. There are five remaining districts that have not completed caching proxy deployment requirements.

<b>Agenda Item 4</b>	K-12 Network Changes	Presenter:	Valarie Byrd
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1. Conversion for under-served/expensive bandwidth updates for Wireless and MPLS locations is as follows:
  - a. MPLS locations – Remaining locations are still under investigation
  - b. Wireless WAN locations – Ethernet solution identified for Orangeburg School District 3
  - c. The following have locations still under-served or expensive locations still remaining:
    - Kershaw (2)
    - Aiken (1)
    - Hampton 2 (8)

<b>Agenda Item 5</b>	Budget	Presenter:	James Gordon
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1. Funds have been received from the State Department of Education.

Next Meeting	March 28, 2013
Location	Division of State IT, 4430 Broad River Road, Columbia, SC 29210