

ORANGE COUNTY
BOARD OF EDUCATION

AGENDA ITEM ABSTRACT

Meeting Date: October 14, 2013

AGENDA ITEM No. 13-10-13

ACTION ITEM: (Y/N) N

SUBJECT: Secondary 1:1 Technology Plan—Year Two

INFO. CONTACT Angela Veitch PHONE: 919-245-4100

ATTACHMENTS: Technology Professional Development offered 2011—2013
Secondary 1:1 Program—Year Two Plan

PURPOSE: To provide the Board with teacher and student data regarding the Secondary 1:1 program and to share the 2nd year Secondary 1:1 Technology Plan.

BACKGROUND: In 2011 Orange County Schools (OCS) began the process of systematizing the use of educational technology. Ten strategies were developed for a successful digital conversion. Included in these strategies was a 3 phase digital roll out of devices to students in Grades 3-12. In June – July of 2012, Phase I provided training and technology to all teachers. Phase II, in August and September of 2012, distributed laptops to students in Grades 6-12.

Throughout the 2012-2013 school year, the district was involved in a continuous monitoring program, receiving data from students, parents and teachers and adjusting plans where appropriate. Over the summer 2013, student laptops were reimaged, professional development continued and revisions to support documents and procedures were made. (Technology Professional Development offered 2011-2013)

Other data that were closely watched and collected last year related to repair costs and the types of repairs required on the laptops. Monthly costs and breakdowns on the types of repairs were gathered and discussed with the repair shop at UNC. When a pattern of the same type of repair was seen, schools would have conversations with students to address these issues and explain how to avoid the need for a repair.

Using data collected from surveys by students and staff, a 2nd year program was developed. (Secondary 1:1 Program—Year Two Plan)

FINANCIAL IMPACT: Purchase of laptops to cover increased secondary enrollments: \$100,000 from the Technology budget.

RECOMMENDATION: The Superintendent recommends that the Board receive information on the 1:1 program for the 2012-2013 school year and the Secondary 1:1 Program—Year Two Plan.

District Offered Professional Development 2011-2012 School Year

Date	Title
7/1/2011	Online Google Docs
8/2/2011	Catch the Wave 2011
8/19/2011	Classroom Webpages with Weebly
9/1/2011	Classroom Webpages with Weebly
9/27/2011	Computer Training on Google Related Items
10/5/2011	Facebook - Administrator and other non-classroom staff
10/10/2011	Google Calendar - Administrator and other non-classroom staff
10/10/2011	Beginner Level Technology Tools for Teaching
10/11/2011	Google Forms - Administrators and other non-classroom staff
10/13/2011	Facebook
10/13/2011	Facebook
10/17/2011	Google Docs- Administrators and other non-classroom staff
10/19/2011	Facebook
10/20/2011	Facebook - Administrator and other non-classroom staff
10/24/2011	Advanced Level Technoloy Tools for Teaching
10/26/2011	Google Documents
10/27/2011	iPod - Elementary K-5
11/2/2011	Google Calendar
11/2/2011	Beginning Teacher Workshop
11/3/2011	iPod - Elementary K-5
11/10/2011	Student Response Systems and Thinkgate
11/14/2011	Study Island
11/16/2011	Google Spreadsheet
11/17/2011	VoiceThread
11/17/2011	NovaNet Courseware
11/30/2011	Google Presentation
12/1/2011	Google Sites
12/5/2011	iTouch
12/8/2011	Google Sites
12/15/2011	Google Forms
1/12/2012	Google Documents
1/19/2012	SMART Notebook
1/23/2012	CRHS Common Core Part II
1/26/2012	Google Spreadsheets
2/2/2012	SAS Curriculum Pathways
2/16/2012	ePals
2/16/2012	Facebook
2/28/2012	Computer Training on Google Related Items
2/29/2012	SMART Board Intro/Review
3/1/2012	iTouch

3/5/2012	iTouch
3/8/2012	Google Forms
3/15/2012	Google Presentation
3/15/2012	iTouch
3/15/2012	Senteos/SMART Response/Student Clickers
3/19/2012	Google Sites
3/19/2012	Senteos/SMART Response/Student Clickers
3/22/2012	Google Calendar
3/29/2012	Google Spreadsheets
4/12/2012	Google Sites
4/24/2012	Partnership Common Core Spring 2013
6/18/2012	Central Elementary EIE Training
6/26/2012	Catch the Wave 2012
6/27/2012	
6/28/2012	

District Offered Professional Development 2012-2013 School Year

7/9/2012	Common Core and NC Essentials PD - Fall Session
7/24/2012	Moodle
7/26/2012	Google Apps
8/1/2012	Geocaching
8/2/2012	Geocaching Hillsborough
8/7/2012	Edmodo
8/9/2012	Moodle
8/20/2012	DE - Tech Book Getting Started
8/21/2012	Efland-Cheeks CC & NC Essentials_Fall 2012
8/23/2012	CRHS Common Core Part I
8/23/2012	New Hope Common Core and North Carolina Essentials Fall 2012
8/23/2012	Orange High School Common Core and NC Essentials_FALL 2012
8/23/2012	Grady Brown Common Core Workshop #1
8/23/2012	Pathways Common Core & NC Essentials Fall 2012
8/23/2012	C.W. Stanford, Common Core & NC Essentials_Fall 2012
8/23/2012	Partnership Common Core Fall 2012
8/23/2012	Central Elementary Common Core Part I - Fall 2012
8/23/2012	GHMS Common Core & NC Essentials_Fall 2012
8/23/2012	Cameron Park Common Core, Part I - Fall 2012
8/23/2012	CC & NC Essential Standards
8/31/2012	Literacy Coach PLCs
8/31/2012	Reading Teacher PLCs
9/1/2012	GHMS- Research-Based Literacy Strategies
9/1/2012	ALS- Research-Based Literacy Strategies
9/1/2012	CWS- Research-Based Literacy Strategies
9/6/2012	Pathways- Common Core and NC Essentials

9/17/2012	DE - Tech Book Getting Started
10/3/2012	Delivering a Media Center Program in Digital Schools
10/11/2012	DE - Intro (Train the Trainer)
10/17/2012	DE - Science TechBook - Middle School - Getting Started
10/18/2012	Technology Facilitators Trainings
10/18/2012	DE - Science TechBook - Centers - Train the Trainer
10/18/2012	Center Based Teaching and Learning in a Techbook Classroom
10/30/2012	HES Technology Academy
12/4/2012	Moodle Training - GHMS
12/14/2012	DE - Science TechBook - High School Day 2 - Train the Trainer
1/3/2013	SMART Board Training
1/8/2013	Eagle U, Spring 2013
1/14/2013	Creating the Virtual Learning Commons
1/22/2013	2012-2013 Common Core and NC Essentials PD - Spring Session
1/23/2013	Orange High School Common Core and NC Essentials_Spring 2013
1/23/2013	New Hope Common Core and North Carolina Essentials Spring 2013
1/23/2013	C.W. Stanford, Common Core & NC Essentials_Spring 2013
1/23/2013	Central Elementary Common Core Part II
1/23/2013	GHMS Common Core & NC Essentials_spring 2013
1/23/2013	Cameron Park Common Core, Part II - Spring 2013
1/23/2013	CC/NC Essentials Spring 2013
2/26/2013	Technology Tidbits Part 1
4/8/2013	AAC Workshop for EC Staff
4/8/2013	Discovery Education Social Studies Techbook
4/9/2013	Technology Staff Development
4/10/2013	Technology Tidbits Part 2
4/24/2013	CC & NC Essential Standards and Technology
6/18/2013	Leadership Retreat
6/25/2013	Catch the Wave 2013
6/26/2013	

Professional Development by Schools

	Voicethread
	Google Docs
	NC Wise Gradebook/TAM
	Evaluating Websites/Social Media for Use in the Classroom
	Primary Sources for Student Independent Projects (Civil War)
	Google Sites
	General Google Use
	Web 2.0 Tools
	Using Ipods for Classroom Podcasts/Storytelling
	Photostory/Windows MovieMaker Editing
	Classroom Troubleshooting
	Presentations - The Good, Bad and the Ugly
	Web Search Tools

	Smartboard
	Websites
	Best practices in teaching with a digital device
	Edmodo
	Prezi
	NC Wise Owl
	Net trekker
	PES - https://docs.google.com/a/orange.k12.nc.us/spreadsheet/ccc?key=0AnVMYukMSwq6dFRNZDNwMmVKU3NRdC1VRGRDSGpvcHc#gid=0
	Moodle Training
	Using Multimedia in the Classroom
	Learning A-Z / RAZ Kids
	Live Binders
	Google Forms
	Reading 3D
	Training (via Skype) with Michael Fisher on "technology integration."
	Information and Technology into the Common Core: Resources and Ideas for Using Technology and Media to Support Differentiation and the Transition to Common Core

ORANGE COUNTY SCHOOLS SECONDARY 1:1 PROGRAM YEAR TWO PLAN 2013-2014

As the district progresses with the 1:1 laptop program, the overall goal continues to be the academic growth of all students to prepare them for college and/or a career.

The 2nd year of the secondary 1:1 program started with the purchase of additional laptops to cover the increase in student enrollment. Based on the staff's review of data from the Duke survey for staff members, the district continues to offer professional development, but will approach it from a modified perspective this year. To ensure that all staff members are offered opportunities for professional development to meet their individual needs, a technology survey was provided to teachers at the beginning of the year. The technology survey had teachers reflecting on their proficiency and use of technology in their classrooms. Each school is developing a plan to meet the professional development needs of its staff; district personnel are providing support and guidance as appropriate.

Blended and project based learning will be the underpinning of all professional development. Pedagogical strategies on how to teach when using digital devices and resources will also be included. Once teachers become comfortable using the various digital programs in their classroom, using the data from these programs will not only assist them in forming their lessons for the following day, but it will allow them to personalize these lessons to meet individual student needs.

The Duke survey data from students showed that most students believe that the laptop: helped them to do a better job on their homework; made it easier to do research; allowed them to communicate better; increased their quantity of work product. There were also data indicating that 12% of the students felt the laptop tended to be a distraction in the classroom; 31% rated the laptop program average or poor. As teachers are becoming more comfortable with the technology, we anticipate that the increased use of technology and diversity of lessons will provide those students with an enhanced experience. Students like immediate results because it offers them a sense of accomplishment. Students who usually are not stars in the traditional classroom become stars in digital classroom because they achieve that sense of accomplishment. They also like that there are so many ways to demonstrate proficiency in what they have learned.

As the 1:1 program evolves, inquiry based, real life lessons is another strategy that is being incorporated into lessons. The more comfortable teachers have become in the digital classroom, the more authentic lessons are being used.