



One-to-One Technology Integration

Presented to:

Curriculum Committee Meeting

April 15, 2015

Finance Committee Meeting

April 23, 2015

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Goal

- We are committed to continuing the one-to-one technology integration at Monroe Township High School.
- We researched various devices and developed a needs assessment from the technology committee input to present to vendors.
- We solicited vendor proposals.



Steps to Decision

- **Reconvene Technology Committee**
 - December 3, 2014
 - January 28, 2015
 - Needs Analysis
- **Conference Call with Google**
 - January 14, 2015
- **Monroe Township Technology Expo**
 - December 17, 2014
 - Participating Vendors: Apple, Dell, Microsoft, Google, HP, Lenovo
 - Survey of all participants

Technology Committee Needs Assessment Results

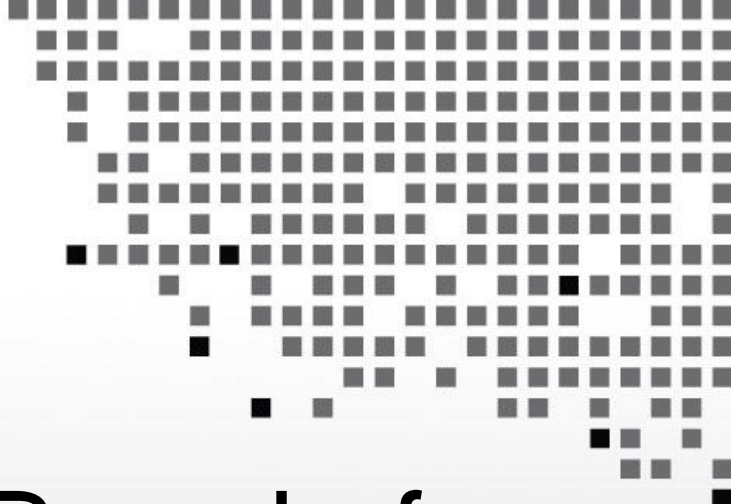


Teacher Device Requirements

- The proposed device must be the same or comparable to the student device
- Must have a keyboard
- Must support USB
- Provide a means for connecting to a digital projector
- Provide a means for connecting to a document camera
- Be able to print to a printer/plotter



Student Device Requirements

- Minimum 7 hours of operational functionality when running on battery
- Minimum screen size of 9.5”
- Wireless Internet Connectivity
- Keyboard Capable – Bluetooth or Hardwired
- eText Capable (some local storage needed)
- Front and Rear facing cameras
- 3 year manufacturer warranty (ADP)
- Touch Screen Interface
- Case / Bag for transporting the device(s)
- PDF & Epub Reading and annotating ability
- Ability to record and edit videos
- Must be able to dynamically reconfigure the device for PARCC testing



Proposed to the Board of Education

Apple Solution

Student Solution	2200 Total
1 iPad Air Wi-Fi 32 GB for each student 3 year AppleCare Protection Plan free Apple apps (iMovie, Garageband, Pages, Keynote, Numbers)	
Student Case Solution	2200 Total
STM Dux Cases for iPad Air	

Teacher Solution	200 Total
<p>1 MacBook Pro for each teacher AppleCare Protection Plan</p>	
Teacher Solution	200 Total
<p>1 iPad Air Wi-Fi 32 GB for each student 3 year AppleCare Protection Plan free Apple apps (iMovie, Garageband, Pages, Keynote, Numbers)</p>	
Teacher Case Solution	200 Total
<p>STM Dux Cases for iPad Air</p>	

Professional Services	Details below
<p>Project Management Apple Remote Technical Services AppleCare OS Support- Preferred</p>	
Apple Professional Development	30 days Total
<p>Days per year with teachers Days for new teachers Days with Administrators</p>	
Local Team Support	200 Total
<p>Strategic Workshops for Administration</p> <ol style="list-style-type: none"> 1. Challenge to Change 2. Administrative Briefing 	

* Also included in this bundle are Professional Services, Professional Development.

* 1 iPad Air 2 Wi-Fi 64 GB with AppleCare available upon request

Cost Proposal

Quantity	Item Description	Unit Price	Total Investment
40	5 PK BNDL MBP	\$ 5,627.93	\$ 225,117.20
240	10 PK iPad 32GB	\$ 4,980.38	\$ 1,195,291.20
30	APS 1Day PD	\$ 2,761.62	\$ 82,848.60
1	Applecare OS Support	\$15,232.73	\$ 15,232.73
240	STM DUX Case for iPad	\$ 285.13	\$ 68,431.20
2	APS 3 Day Deployment	\$ 6,189.85	\$ 12,379.70
2	APS 2 Day Deployment	\$ 4,285.27	\$ 8,570.54
4	APS Remote Tech	\$ 647.55	\$ 2,590.20
			\$ 1,610,461.37

Lease Options

Payment Options

Lease Term	Payment Amount	Payment Terms	Financed Amount
3 Years	\$536,820.46	Annual Payments in Advance	\$1,610,461.37
4 Years	\$402,611.04	Annual Payments in Advance	\$1,610,461.37



Some Samples of How We are Using the Technology

Physics

- Review game for all students:

<https://play.kahoot.it/#/k/ee5d0b20-3d57-49dc-bd31-c24ea59678f0>



ELA

- The iPad has been an invaluable resource for strengthening text evidence skills in language arts.
 - annotating electronic copies of texts in iBooks and in GoodReader, a skill which targets the Common Core standards involving text evidence and interpreting devices.
 - iBooks is the app which reads any EPUB file that contain plays, poems, short stories, and novels available for free at sites like [Internet Archive](#) and [Project Gutenberg](#).
- Example of Teacher Wiki: [Independent Research Wiki](#)
- Example of Student Prezi: <https://prezi.com/gctwdpsnajk6/global-reforestation>

Math

- www.puleio.pbworks.com
- [103 Flipped Classroom](#)
 - AP Stat flipped classroom
<http://puleio.pbworks.com/w/page/68436212/AP%20Statistics%20Tutorial%20Videos>
 - Algebra 1 (Semi-Flipped Interactive Model)
<http://puleio.pbworks.com/w/page/68435671/Algebra%201%20Tutorial%20Videos>
 - If you want to check one out...take a look at this one: [APStat_Ch14 Dealing with Randomness](#)
- **Student created application project**
 - Application of measures of shape, center, and spread and how you can manipulate numbers in advertising schema to seduce customers into your product:
<http://puleio.pbworks.com/w/page/76340699/Bejeweled%20Battle%202013-14>
 - Stat Commercials from the Bejeweled Expo: [Mixed Jewel Expo](#) with the associated surveys linked within