Flint Hill Elementary School

PTA Technology Committee

2013-2014 School Year and Beyond

PTA Technology Committee Approach

- **How can PTA Technology Committee Help FHES????**
- Help coordinate **limited $/time/people** for biggest impact to most parties
  - Work with Administration, Teacher Representatives, Students, Parents **collaboratively**
  - Make sure that **funds are used effectively** to advance the **educational process** for teachers and students
  - Make FHES PTA Technology Committee approach **sustainable versus "helicopter" funding**
- Help FHES **prepare** for new instructional approaches and technologies policies/usage: **BYOD**
- **This is a new, evolving effort—provide us your comments**
- **Instantiate and Extend** BYOD beyond SY2013-2014
- *Currently over 100 devices registered with FHES*
- *BYOD provides an increased resource base for our kids' education and educational toolsets—let's facilitate it!*

PTA Technology Committee Approach

- **Technology is here and will continue to progress—POWER UP & POWER DOWN school dichotomy—rather than forcing the POWER DOWN, integrate the technology into learning**

- **Lots of Technology Issues—Focus the Approach of the PTA**

- **Opportunity Now to Address Technology Issues Associated with BYOD**
  - FHES Embedded Hardware (including PTA purchased) and Student BYOD
  - Existing Software and Apps, new Hardware
  - Users-Staff, Teachers, Parents, Students
  - Training
  - Funding-Short Term and Long Term Requirements
  - Expectations, Rules and Guidelines
  - Safety and Security

- Develop and Implement **PLAN** Addressing Issues for:
  - FCPS BYOD guidelines and approved technology resources
  - Teachers: In-classroom collaborations; minimum resources for effectiveness
  - Students: Guidelines and new learning opportunities
  - Staff/Administration: Policy/Procedures
  - Parents: Expectations and Resources

- PLAN Baseline:
  - **Limited FCPS funding and infrastructure** (increasing requirements and decreasing resources)
  - FHES current utilization of mobile devices (in classroom, outside of classroom, etc.)
  - FHES Administration Challenges-Policies, Processes, Equipment
  - Limited PTA resources--$10K (SY2013-2014)

PTA Tech Plan-Phase 1

Baseline current technology inventory

- ✓ Establish a Baseline inventory to educate committee as to status of FHES technology
- ✓ Evaluate FHES current and projected uses, needs, capabilities, and resources—instructional, SOL, FCPS Requirements, collaboration
- ✓ Evaluate where it makes sense for PTA to engage its resources
- ✓ Hardware: Current counts, ages, parameters, locations: desktops, laptops, tablets, smartphones
- ✓ Software: Types, versions and uses (Student & Teacher)
- ✓ Telecommunications and Networks: FHES public Wi-Fi
- ✓ Mobile Users-Define (via survey) who our current users are and what their level of comfort is on different devices
- ✓ Initiate FHES computer science engagement with mobile devices and App ecosystem, and utilization of existing platforms
- ✓ Begin to Determine Policies and Processes—FCPS and FHES

PTA Technology Committee
Staff Survey Data

➢ Survey distributed to all staff, educators, specialists

➢ 45 responses

➢ Most respondents utilize Apple products

➢ Most respondents replied "Most comfortable" with mobile technology

➢ Nearly all use smartphone or tablet to surf, plan, research

➢ Vast majority use Smartphone or tablet Apps "often"

➢ BYOD: "Would you be supportive of BYOD in classroom?"

    45% - YES   34% - Need More Info   21% - No answer

➢ "Would you be more comfortable with BYOD if peer to peer training available?"

    77% - YES   if there was peer to peer training

➢ "Do you currently have enough technology to support you this year?"

    62% - No   33% - Yes, but we could do more with more

FHES current tablet computers—approved by FCPS

    currently 22 systems within FHES, 7 purchased by PTA

PTA Tech Plan-Phase 2

Develop implementation plan for BYOD @ FHES

--any kid can use any personal device with parental approval (form)—

- Plan for different degrees of engagement/needs/challenges based on educator
- Identify BYOD technology-Account for different resources in different families
- NEITHER administration nor PTA ENDORSES ANY SPECIFIC PLATFORM
- Define BYOD policies, procedures, rules
- Define BYOD high level timeline and goals
- Gather requirements from staff, teachers, and parents needed to meet above
- Develop implementation plan:
  - Project Timeline—2+ years
  - Training/Staff Development
    - Identify staff exemplars/volunteers
    - Peer-to-Peer, other professional training
  - Funding—cost baseline to meet goals, identify pathways to additional funding
  - Possible Methodology for phased instructional rollout in 2014-2015
  - Maintenance for subsequent years: funding, staffing, training, tech refresh
- Why focus on Apple (from FHES architecture perspective)
  - Embedded base of tablets
  - Computer Sciences only wants to manage one mobile OS
  - FCPS currently embraces and approves Apple and Educational VPP
  - Lower total life-cycle cost (according to FCPS)
- Plan procurement of Apple tablet computers towards goal for each classroom—nexus of 6 per class
  - Enable "centers"
  - Supplement BYOD devices to enable all students access to a device

FHES BYOD Expectations

Parents and Students	*Teachers*
TIPS: http://www.fcps.edu/it/byod/tips.shtml)	
BYOD Devices are not the teacher's responsibility.	BYOD Devices are the STUDENTS responsibilities (DO NOT SHARE)
Use **ONLY** FCPS/FHES public wi-fi in school.	Devices WILL NOT be charged in school
FCPS does not provide any device hardware support. FCPS's internet connection is protected by a content filter. Cellular data plans do not use the FCPS internet connection and therefore do not use the FCPS internet content filter.	
FCPS and FHES will not recommend Apps/software; PTA Technology Committee may recommend Apps	
FCPS does not recommend specific platforms.	Teachers do not provide apps or software.
Research in class (see following presentation)	
Classroom doors will be locked when the class not present (security).	
Personally owned devices are a supplement to the equipment already in the classroom.	
FCPS does promote the Technology@Home program with discount rates from vendors (including computers, software, other technology products) (see http://www.fcps.edu/it/byod/faq.shtml)	
IF your child doesn't have or doesn't choose to bring a personal device, they won't be left behind.	
E V E R Y T E A C H E R E V E R Y C L A S S R O O M E V E R Y S T U D E N T	

WWW.FCPS.EDU/IT/BYOD/FAQ.SHTML

FHES BYOD Policies and Procedures*

All devices must be registered prior to usage in FCPS. http://www.fcps.edu/it/byod/

Students may use devices only during teacher approved times and only in teacher approved ways. DEVICE USAGE IS ONLY AT TEACHER DIRECTION/APPROVAL.

Your student's device is their responsibility. Period. DO NOT SHARE DEVICES.

Volume must be silenced on devices (unless using earbuds/headphones with teacher approval)

No texting or emailing on phones during school hours.

Respect other people. No camera use—period. Penalties include possible suspension.

Use only FCPS/FHES public wi-fi in school. No cellular data/voice use.

Do not lend your device to anyone, friends included. Do not use someone else's device.

Unless otherwise noted or teacher approved, devices are not to be used in open areas (hallways, cafeteria, locker rooms, bathrooms, stairwells, etc.).

According to VA law, cyber-bullying is an illegal misdemeanor, punishable as stipulated in VA statutes.

*adopted from FCPS BYOD FAQ with FHES Administration and subject to modification

PTA Tech Plan-Phase 3

1. **Recruit Volunteers** for larger committee to satisfy evolving goals

2. Execute incremental **acquisition** and **Fundraising** for FCPS tablets
    -   Goal—at least 6 tablets per classroom (over 2 years)
    -   Goal—continue to also support pressing legacy requirements as possible
    -   Goal—central CS tablet management platform for VPP/tablet/app management
    -   Continued Integration with existing FHES infrastructure technologies (e.g. Smartboards)
    -   Survey results indicate overwhelming familiarity and comfort with platform
    -   Single, FCPS approved tablet architecture and ecosystem for computer sciences and ALSO teacher management: Avoid OS fragmentation
    -   Lower Total Life-cycle cost of ownership (according to FCPS)
    -   Central computer sciences management platform (for use with VPP)
    -   Largest curated educational App ecosystem, largest 3rd party developer community support

    -   **SY2013-2014 Technology Committee expenditures**—authorized acquisition of 10 additional tablets (Library) and 10 high-performance laptops (Library)

3. Initiate planning for and conduct **staff professional development** for technology and educational applications

PTA Technology Committee-Subcommittee

To continue to help advance FHES technology goals, FHES PTA Technology Committee will need:

- **Professional Development Subcommittee**
  - Scope: work with identified staff exemplars to develop training opportunities for each grade level team (ad-hoc peer-to-peer, organized or vendor provided)
  - Size: 1-2 Parents, Commitment for SY2013-2015
  - Effort: Work with Technology Committee and staff exemplars to research training opportunities and needs, and arrange for continued staff professional development

- **Grant Subcommittee**
  - Scope: Obtain grant funding to support acquisition of hardware, software, and training to support technology in FHES
  - Size: 2-3 Parents, Commitment for SY2013-2015
  - Effort: Research, investigate, and apply for grants based on plan goals

- **Fundraising Subcommittee**
  - Scope: Organize, publicize, and implement fundraising activities to support FHES procurement of hardware, networks, or software or training to support FHES technology

- **In-Kind Donations Subcommittee**
  - Scope: Obtain In Kind donations of technology and training
  - Size: 2-3 Parents, Commitment for SY2013-2015
  - Effort: Research and apply for In Kind donations of technology or training to support technology consistent with FHES Technology Committee BYOD and evolving classroom technology plan goals

All 4 Subcommittees need to coordinate and work in collaboration with the Technology Committee, the FHES Administration, Teachers, and PTA

Suggested Uses and Educational Apps

- **Suggested Use of Devices:**
  - Access FCPS 24-7 Learning (Blackboard)
  - Keep organized (e.g. calendar, notes, etc.)
  - Manage daily agenda
  - Set reminders for long-term assignments
  - Access online textbooks for mathematics and social studies
  - Build and practice vocabulary
  - Take notes
  - Study from their notes/flashcards
  - Read books and articles
  - Listen to books on line (with their own earbuds/headphones AND teacher approval)
  - Use tools (calculators, dictionary, thesaurus, stop watch)
  - CONDUCT RESEARCH
  - Look up current events
  - Take Horizon assessments
  - Capture images (if/when approved by instructor)
  - Document events

- Some Britt Recommended Educational Apps:
  - MyOn, Overdrive (FCPL access), Kids Media, First in Math, ClassDojo, Storia, Goodreads, Spelling Test, Time Math, TonyFraction, Star Math, Money Counting, Metronome, Kindle, Reminders, Google Earth

- Some Britt Recommended Productivity Apps:
  - Evernote, DropBox, Numbers, Pages, Keynote, AppCertain, Paper, Teambox,