

Getting to Gigabit:

The future of Broadband for Anchor Institutions and Their Communities



Moderator:

Denise Atkinson-Shorey, e-Luminosity

Panel:

Keith Krueger, Consortium for School Networking

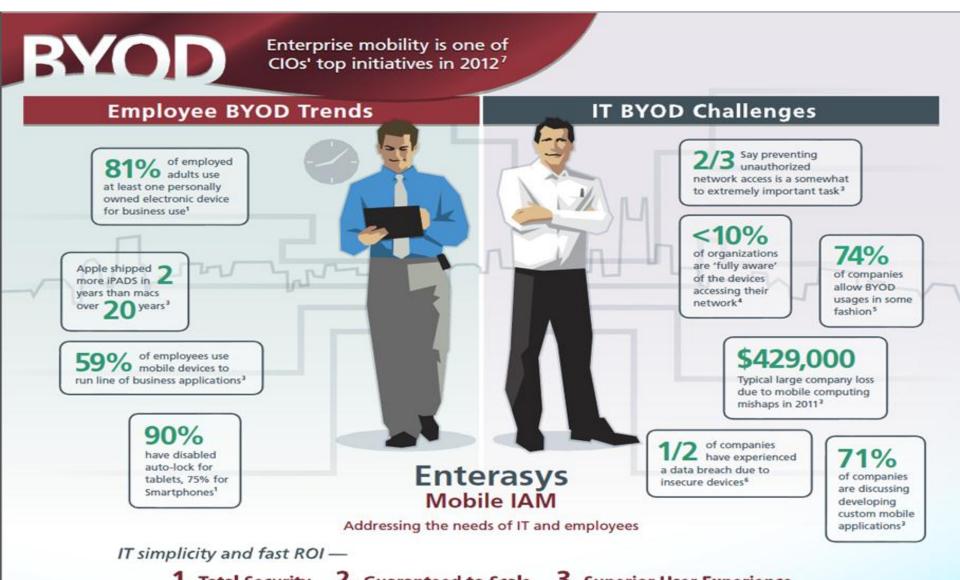
LeaAnn Eanes, Fairfax County Schools

Robert Collie, Education Networks of America



Denise Atkinson-Shorey e-Luminosity







Businesses that embrace BYOD have some advantages over competitors. For starters, BYOD programs generally shift costs to the user. With the worker paying for most, or all of the costs for the hardware, voice or data services, and other associated expenses, companies save a lot of money -- as much as \$80 per month per user. PC World Dec 20, 2011



Security and Mobile Devices—Survey from Motorola

- 2 out 3 people realize that the responsibility falls on them, rather than the IT department, to keep mobile data private and secure.
- 73% of respondents said they are concerned about smartphone security; in fact, a quarter of them would rather share a toothbrush than their phone.
- Store sensitive data on phones: 34% store sensitive data such as their bank account information or work email passwords on their phones
- "Work around" company mobile policy: 55% admit they've sent work email or documents to their personal email accounts on their phones
- Chose convenience: 48% have used their devices to log into an unsecure wireless network
- Just aren't that worried: 77% can name at least one thing they're more familiar with than their company's IT security policies (67% credit card terms, 57% health insurance policy, and even 33% are more familiar with their home appliance manuals)

http://www.forbes.com/sites/markfidelman/2012/05/02/the-latest-infographics-mobile-business-statistics-for-2012/



Keith Krueger CEO, CoSN





SHLB Conference

Keith Krueger CoSN CEO <u>keith@cosn.org</u>

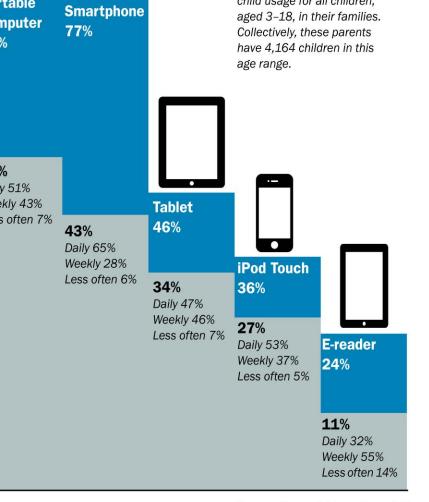
2013 CoSN K-12 IT Leadership Survey www.cosn.org/ITsurvey

Top 3 Priorities/Initiatives for 2012-2013

1) Bring Your Own Device (BYOD) strategies

2) IT Readiness for Common Core State Assessment

3) Increasing Broadband Access



Source: Grunwald Associates LLC

Living and Learning with Mobile Devices

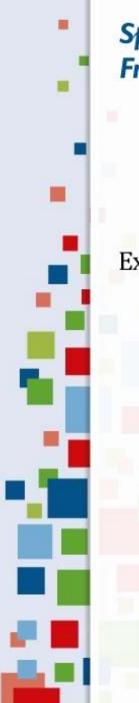




What Parents Think About Mobile Devices for Early Childhood and K-12 Learning



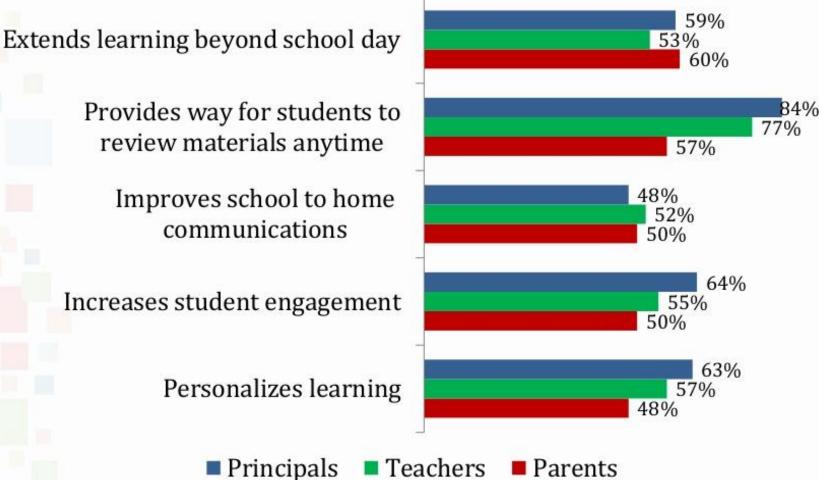
Grunwald Associates LLC Learning First Alliance with support from AT&T



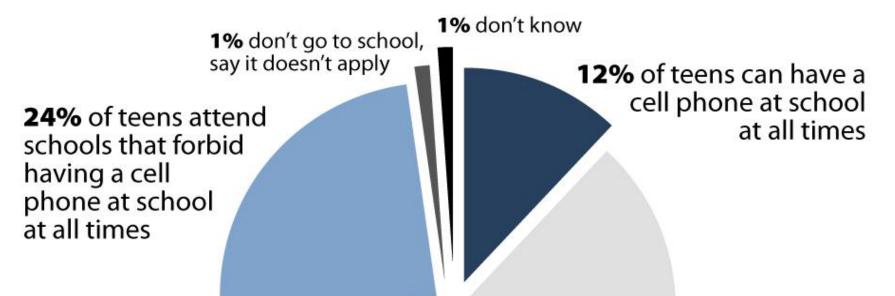
Speak Up 2012 National Findings From Chalkboards to Tablets



Benefits of mobile devices for schoolwork



Majority of teens can have cell phones at school but not in class



62% of teens are allowed to have a cell phone at school, but not in class

86% can't use cell phone in class





Speak Up 2012 National Findings From Chalkboards to Tablets



The BYOD/BYOT trend – what a difference a year makes!

Policy/Position	Admin 2011	Admin 2012
Do not allow	52%	37%
Discretion of building principal	16%	21%
Discretion of teacher	21%	32%
We provide devices	13%	18%
Evaluating BYOD/T	19%	28%
BYOD/T in place	١7%	30%

DIGITAL SCHOOL DISTRICTS SUR EY

WEBINAR | APRIL 24, 2013 | 11 A.N

What is the Status of BYOD/BYO

Implemented
 Considering/ planning implementation
 In the process of implementing
 No BYOD







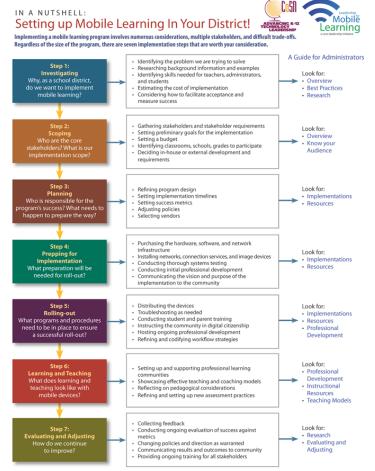
Concerns about BYOT

Adult (Parent/teacher/administrator) views of mobile learning:

- » Distraction
- » Digital equity
- » Concerns of cheating
- » Lack of skills & curriculum to use mobiles



CoSN's Administrators Guide to Mobile Learning



www.cosn.org/MobileAdminGuide



affordable solutions for providing technology for

every student, anytime and anywhere

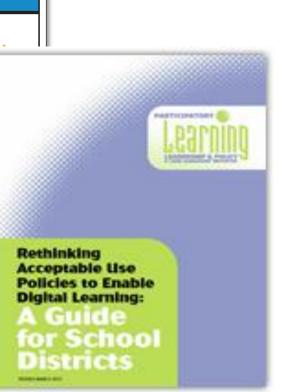
Resources



to begin.

educational one-to-one in

newest trend for K-12 sch that will be the focus for t





www.cosn.org/ MobileLead



www.cosn.org/AUPGuide

CoSN

National Contributing Partners:

American Association of School

Administrators

American Association of School Librarians Common Sense Media

Joan Ganz Cooney Center at Sesame Workshop

FrameWorks Institute

National Association of Elementary School Principals

National Association of Secondary School Principals

National Association of State Boards of Education

National Council of Teachers of English

National Education Association

National Writing Project

Partnership for 21st Century Skills

Student Press Law Center

Technology Leadership Network of the National School Boards Association

www.cosn.org/MakingProgress

MAKING PROGRESS: Rethinking State and School District Policies Concerning Mobile Technologies and Social Media



LeaAnn Eanes, Fairfax County Schools

Fairfax County Public Schools: Our Experience with BYOD and Making Learning Mobile

SHLB Conference May 2, 2013

Lea Ann Eanes

IT Project Manager

Fairfax County Public Schools



FCPS Related Projects/Timeline

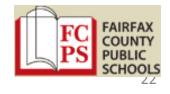
Digital Learning Expansion: Online Textbooks (Fall 2010)

- Access4All Team (June 2011)
 - BYOD (Fall 2011)
 - Student Computer Check-Out program (Fall 2011)
 - Connect To Compete (ongoing)
 - Kajeet (February 2012)
 »Making Learning Mobile
 »SmartSpot (mifi) (January 2013)



BYOD: Planning for Implementation

- Late summer of 2011, FCPS developed a framework for embracing and managing the use of personally owned computing devices within FCPS.
 - Students may use their device for ready access to online instructional materials, such as online textbooks at all grade levels
 - Supplements school resources and equipment
 - Makes possible a 21st century classroom
 - Enables student ownership of their own learning
 - Student real time access to information
 - Smooth transition between home and school



BYOD: Professional Development

- Involved Stakeholders (teachers, administrators, technology support staff, parents) in developing an understanding of benefits of BYOD implementation
- Developed Resources for schools to get started (sample communications, classroom strategies and ideas)
- In process of developing on-line course for instructional staff



BYOD: Next Steps

- Streamline registration and reporting framework
- Continue to solicit input from stakeholders to address all needs
- Develop professional development tools for instructional staff
- Increase communication to parents about BYOD benefits
- Investigate low cost options to increase student access to devices for personal use at home and school



BYOD is Trending



BYOD Resources

 New and improved resources developed in collaboration between IT and IS to support your school and community embrace and manage BYOD within FCPS

http://fcpsnet.fcps.edu/it/offices/itss/customer_srvc /srvc_mgmt/information/personal_devices.shtml

CONQUER THE FEAR

Allow Questions



Allow for Lack of Knowledge

Involve Stakeholders in developing plans and guidelines



Support for BYOD Rollout

• For Staff:

http://fcpsnet.fcps.edu/it/offices/itss/customer_srvc/srvc_mgmt/infor mation/personal_devices.shtml

• For Parents:

http://www.fcps.edu

Select either Parents or Students

Get Help with Homework

Bring Your Own Device (BYOD)





Making Learning Mobile: A One-to-One Android Tablet Deployment

Meridith Bruozos, Chicago Public Schools LeaAnn Eanes, Fairfax County Public Schools Julie Evans, Project Tomorrow

March 12, 2013

Project Partners

Common Sense Media Edutone Emantras Kajeet Qualcomm Wireless Reach Initiative

Chicago Public Schools Fairfax County Public Schools

Project Tomorrow

Project Partners

Fairfax County Public Schools – Stone Middle School

- 7th 8th Grade School
- 816 students
- 21% socio-economically disadvantaged
- 53% Caucasian, 17% Asian, 16%
 Latino
- 15% of students are in special education
- 120 students in the MLM pilot



Project Design

- Implementation of HTC EVO tablets
- Integration of tablets into classroom instruction
- Ability for students to use the devices outside of school
- Focus on student outcomes and teacher practice

Project Research Plan

- What is the impact of the use of the tablets on student outcomes, teacher productivity?
- What are the barriers to success?
- What are the critical success factors?
- What did we learn from this experience?

Project Research Plan

Intermediate results: students' use of tablets

	Stone	Falconer
Access online textbooks	77%	38%
Use the calculator	74%	47%
Internet research	70%	59%
Take notes	67%	49%
Check grades	66%	77%
Play games	54%	55%

Project Research Plan

Data collection:

- Pre and post surveys
- Student focus groups
- Teacher interviews
- Classroom observations
- Speak Up surveys

Result:

• White paper on the results



Robert Collie Education Networks of America



Questions ??



Contact

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