

BYOD Fall 2011

Changing the educational environment for the 21st Century

Policy Revisions

- Policy 237 – Electronic and Personal Communication Devices
 - Images and photographs are specifically addressed whether taken inside or outside of school
 - No other use of a cell phone or communication device will be permitted, including the taking of photographs and/or for audio and/or video recording...
 - These devices can be used when approved by the principal or designee
 - Always prohibited in any area where others would expect privacy
 - The District assumes no responsibility under any circumstance whatsoever for the loss, destruction, misuse, or theft of any electronic or personal communication device that is brought to school at any time or to any school-sponsored activity

Policy Revisions

- Policy 815 – Acceptable Use of Computing Resources and the Internet
 - Users shall have no expectation of privacy in anything they create, store, send, receive or display...
 - CIPA – Child Internet Protection Act
 - Dealing with 3G/4G...Technology protection measure - a specific technology that blocks or filters Internet access...
 - Inappropriate use may include...or bypassing district safety and filtering resources.
 - Inclusion of language about Social Networks and online behavior

Policy Revisions

- Policy 815 – Continued
 - Student Learning Maps for units related to online behavior found under Business, Computers, IT in the High School Internet Safety folder at <http://curriculum.wssd.k12.pa.us>
 - Prohibition #12 - Intentional obtaining or modifying of files, passwords, and data belonging to other users.
 - Prohibition #13 - Impersonation of another user, anonymity, and pseudonyms.
 - Prohibition #17 - Quoting of personal communications in a public forum without the original author's prior consent.

Policy Revisions

- Policy 815 – A final thought
 - Using Social Networks for class...Online communication is critical to students' learning of 21st Century Skills. The use of Social Media Tools and interactive, online applications offer an authentic, real-world opportunity for student learning.

Network Changes

- Established 4 Unique Wireless Networks at each High School
 - Staff Network – Encrypted network rolled out on 11/21/11; Provides full access to resources
 - Guest Network – For itinerants and presenters, buildings can generate their own keys as needed; Web access and print services only
 - Wireless – District owned equipment, secured by device registration; Provides full access to student resources
 - WiFi – Any user with a District network account can get their device on this network; Web access only

Teacher Survey Results

- Application Conclusions
 - Teachers are using resource intensive applications with Photos and Videos, but students use them with much less frequency
 - Student use of online applications is closing the gap between traditional installed apps and online resources such as GoogleDocs, blogs, wikis, etc.

Teacher Survey Results

- BYOD Related Responses
 - 102 High School Teachers Responded to the Survey
 - 56 Own a WiFi capable device; 76.8% indicated they were comfortable with the technology
 - 66.6% of teachers believe that at least half of their students are carrying a WiFi capable device
 - 74 of the 102 (72.5%) High School Teachers own a computer in addition to their District laptop.
 - 80.6% of these additional machines are running a Windows OS (XP,Vista,7)

Teacher Survey Results

- BYOD Related Responses
 - When asked how teachers felt about students bringing their own laptops for class, 41.2 % were “somewhat comfortable”, 23.5% were “comfortable” with the idea
 - When asked the same question with regards to phones and other WiFi capable devices, only 23.5% were “somewhat comfortable”; 24.5% were “comfortable”

Student Survey Results

- Technology Usage and Access
 - 1,852 students responded
 - 77.2% of students indicated that they use technology in class at least once per cycle, with 48.3% indicating they are using technology in one of their classes every day
 - 27.9% of students use a web 2.0 tool in class at least once a week.
 - Top online resources for students: 78.1 % have used Moodle for at least one course, 66.2% are using GoogleDocs
 - The #1 application for projects – PowerPoint 89.1%, #2 GoogleDocs 37.4%

Student Survey Results

- Technology Devices
 - 1,562 students (84.7%) indicated that they or their family own a laptop.
 - Top 3 OS for home machines, #1 Windows 7 56.3%, #2 Windows XP 29.5% , #3 Windows Vista 21.9%
 - 1,088 students (58.7% of the sample) indicated that they would be permitted to bring their laptop to school
 - 78.5% of students own a WiFi capable portable device; 61% already carry that device at school

Student Survey Results

- Technology Accounts
 - 93.3 % of students have an email account; 45.4% of all students surveyed use Gmail
 - When asked how often students use their email to contact teachers, the #1 response was “Rarely (Once a Month)” 39.1% ; another 38.5% indicated “Never”.
 - When asked the same question with regards to contacting their classmates about schoolwork, the #1 response was “Never” 67.1%
 - When asked about Social Networks, 89.9% of students indicated that they have a Facebook account

Student Survey Results

- Online Communication and Textbooks
 - When asked what they use most frequently to communicate with friends, 69.7% of students indicated text messages, only 0.7% of students selected email
 - When asked how many of their courses could be delivered with out using a textbook 39.8% of students indicated that NONE of their classes needed a textbook, another 30.5% indicated that at least half of the courses didn't need a textbook

BYOD – Conclusions and Discussion

- 6 Out of 10 Students have a capable device in their pocket *right now* that we are not taking advantage of
- The comfort level with multiple platforms based on devices owned outside of school should be much higher than I would have expected
- There is a tangible difference in the comfort level for using student owned laptops vs. small portable devices
- In general terms, Students communicate and use technology very differently than we do