

1:1 Computing Initiative



CURRICULUM COMMITTEE MEETING
FEBRUARY 25, 2014

1:1 Initiative



- **Educational Vision**

- Comprehensive Plan approved by Board in November 2012

- ✦ **Key Strategies**

- Focus on students' development of 21st Century Skills
 - Integrate online learning into the K-12 curriculum
 - Explicitly embed 21st Century skills into each area of the K-12 curriculum
- Focus on College and Career Readiness



Introduction to the Netbook

- **Specifications**
 - Lightweight (3.2 lbs)
 - 11.6" display
 - Up to 8hrs battery life
 - Touch Screen capable
 - Highly functional keyboard (91% of full sized keyboard)
- **Capability**
 - Easily Transported and Stored
 - No learning curve for faculty or students
 - Can use any web browser
 - Administration of standardized tests
 - Aligns with business world
 - Supports Flash and Silverlight

Benefits of a 1:1 Initiative

- **Anytime/Anywhere Learning Opportunities**
 - Devices can enable students to work offline at their convenience
- **Bridge the Digital Divide**
 - Can complement the BYOT initiative
- **Flipped Classroom Creation**
 - Example of classrooms modeling 21st Century skills
 - PA Education Technology Conference attendees experiences
- **Promotes flexibility for teachers during construction phase**

Roll-Out of 1:1 Initiative

- **2013-2014 and Beyond –**
Professional Learning Schedule
 - Now: Develop awareness of roll-out plan, established timeline, instructional practice shifts)
 - Continued development of cyber and blended courses
- **Specific Professional Development Topics**
 - Classroom management
 - Differentiation to meet students' needs
 - Use of technology to enhance instruction and to facilitate communication and collaboration

Roll-Out of 1:1 Initiative

- **2014-2015 – Devices distributed to grade 10 students**
 - Why?
 - ✦ Over 1/3 of the needed devices reside in tenth grade curriculum areas (Biology) and are in need of replacement
 - ✦ We want to provide our students with new computers at the start of their high school experience
 - ✦ Three-year experience with their computers
 - ✦ A one-grade level roll-out provides us time to build adequate supports and professional learning opportunities

1:1 Roll-Out Budget (14-15)

- **Cost**
 - \$460 per device x 650 (includes spares) = \$299,000
- **How do we fund this initiative?**
 - Enter into 3-year refresh cycle until 9th grade transition
 - Increase in Technology Reserve Budget to \$1.1 million
 - Self-Insured Annual Premium
 - ✦ \$50 per student
 - \$75 deductible for repairs
 - \$250 deductible for theft or loss
 - ✦ \$50 x 600 = \$30,000

Roll-Out Budget (cont.)

- **Internal Lease Option**
 - Borrow against an internal source (other BASD fund) and pay ourselves back at a “low or no interest” rate
- **Offer buy-out of equipment to faculty, staff, students, and community at the end of the lease**

