Future of Technology

Update for Board of School Directors:
June 11, 2012

State College Area School District

FOT: Infrastructure
(I.A.1-2,I.A.6-8,I.B.3-4,I.C.5,IV.2)

1. Update of Policies
   Policy 237: Electronic Devices
   Policy 249: Anti-Harassment
   Policy 815: On-Line Acceptable Use

2. District Wireless Access
   Completed (2011-2012) for all instructional
   spaces in district

3. Guest Wireless Access
   Available for Tier 1-3 Users

FOT: Infrastructure
(I.A.1-2,I.A.6-8,I.B.3-4,I.C.5,IV.2)

4. Internet Access: Outside of School Hours
   Approximately 97% of families have home access

5. Inclusion of Technology into Future Learning Spaces:
   Will be completed with each "Building Project"

6. Automation of District Processes and Workflow Solutions:
   Augmentation of E-School programs to provide solutions
   under one "umbrella"

FOT: Communication
(I.A.3-5,II.2,III.1-2)

1. Learning Materials/Content Available On-Line:
   A. Grades 6-12: Began implementation in 2011-2012
      * Continue implementation 2012-2013
      * Need to work on minimum expectations during 2012-2013 and provide necessary professional development
   B. Currently considering options for "warehousing" and "publishing" curriculum

2. "Homework" Available On-Line:
   Grades 6-12: Expectation for 2012-2013
   Grades 3-5: Expectation for 2012-2013

FOT: Communication
(I.A.3-5,II.2,III.1-2)

3. Electronic Records Made Available:
   Currently available through "on-line portal"
   Currently considering enhancement to include "testing data"
   through addition of "Performance Plus"

4. Online Grades:
   Grades 6-12: Many utilized E-School Plus for 2011-2012
                Expectation for use in 2012-2013
   K-5: Still use current system, need to explore appropriate
        system given specific needs at this level

FOT: Communication
(I.A.3-5,II.2,III.1-2)

5. Virtual Communities of Practice: Currently done through Scoodle

6. Virtual Communities to Augment Pedagogy: Currently done through Scoodle and technology training/sharing sessions

FOT: Application/Instruction (1.C.1-4,I.D.2,I.E.1,II.1)

1. Student Technology Competencies:
   A. Currently embedded in instructional experiences
   B. Use of E-Portfolio
   C. Digital Citizenship

2. Assessment of Competencies:
   A. Currently embedded in curriculum/coursework
   B. Not currently done as "silo" set of skills

3. Virtual Learning Opportunities:
   A. Virtual Academy
   B. Flex Courses

4. Use of E-Portfolio:
   Broad Use in Grades 6-8, (Student Led Conferences)
   Need to expand use at elementary and high school level

FOT: District Hardware (I.B.1-2,I.D.1)

1. Investigation of Appropriate Devices
   * Based on Learning Needs

2. Investigation of anytime/anywhere structure
   * Utilizing personal and district owned devices

3. Recommendation for 2012-2013:
   A. Based on Organizational Level/Building
      Instructional Needs
   B. Budget Considerations
   C. Piloting of several devices
   D. Personal Devices
      Guidelines/Specifications

Technology 2012/2013 Elementary K-5

Continued:

- Grades K-2: shared classroom iPads
  - (2-3 classrooms)
- Grades 3-5: shared classroom laptop carts
  - (2-3 classrooms)

Pilot:

- Grade 3: Two Shared iPad Carts (2-3 Classrooms)

Technology 2012/2013 Middle School (6-8)

Continued:

- Grades 6-7: Shared classroom laptop carts (2-3 classrooms)
- Grade 8: Assigned laptops to each student

Pilots:

- Grade 6: Three iPad Carts (1 per classroom)
- Grade 6: One Chromebook Cart (1 classroom)

Technology 2012/2013 High School/Delta

Continued:
- Encourage: Bring Your Own Technology
- 9-12: shared classroom laptops
  - English and Social Studies (1 cart per 5-8 sections of students)
  - Other Departments (1 cart per 5-7 teachers)
- Delta/(Pilot): Replace assigned district laptop for each student with iPad for each student

Guidelines: BringYourOwnTechnology

Devices that would best supplement district equipment and be valuable in doing school work (in school and home).

- Laptop (Windows or MAC)
- iPad
- Chromebook