

# Future of Technology - Opportunities & Directions

Response to Board of  
School Directors



*State College Area School District*



## Response Leadership Team

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## Response Strategy

- divided recommendations among leaders
- leaders sought input and developed responses
- SCoodle course
  - linked resources
  - aggregated responses
  - forums for feedback/discussion



## Response Feedback Groups

- CAC for Technology
- SCASD Administrative Team
- SCASD K-12 Coordinators
- District Technology Mgmt Team
  - Computer Services Mgrs
  - Instructional Technology Specialists
- HS faculty - informally



## Anytime/Anywhere Proposal - Parameters

- Achieve goals of Future of Technology document
- Funded with current technology life-cycle resources
- Leverage student-owned Internet devices



## Anytime/Anywhere Proposal 12-13 school year

- K-2: shared classroom iPads
- 3-4: shared classroom laptops
- 5: classroom laptops
- 6: classroom (then home) laptops
- 7-8: assigned laptops
- 9-12: personal device, full browser; offer lease and low-income support



## Anytime/Anywhere Proposal 11-12 school year

- K-2: shared iPads (3-4 teachers)
- 3-4: shared laptops (3-4 teachers)
- 5-7: shared laptops (2-3 teachers)
- 8: assigned laptops
- 9-12: same as 10-11 but allow/  
encourage personal devices



## I.A.1 - Personal Student Devices

- Invite personal devices at high school in SY11-12
- Students would register devices online
- Develop policies for use/mgmt
- Staff development for faculty on policies & mgmt
- Discourage at middle & elementary



## I.A.2 - Incorporating Personal Devices

- Tiered network access - greater access without becoming free ISP
- Communication with students and parents
- Staff development for faculty on leveraging personal devices for instruction



## I.A.3 - Content Online

- Review current online content
- MS/HS encourage placement of learning materials/handouts online for students/parents
- SY11-12: MS/HS require materials to be online



## I.A.4 - Assignments Online

- MS/HS: required to put assignments on the teacher web page
- ES: required to put assignments online for core subjects
- SY12-13: MS/HS required to put assignments and handouts on-line



## I.A.5 - Learning Records

- Identify standard grading program
- Promote parent portal
- Staff development for grading program
- SY12-13:
  - ES standards-based/narrative progress report
  - HS/MS all use grading program



## I.A.6 - BTOP for Internet

- Participated in IU negotiations
- SCASD-only proposal offered 60% reduction from IU proposal
- 3/14/11 SCASD approved 5 year Internet contract with Windstream
- Continue to look for collaboration opportunities with IU



## I.A.7 - Student Internet Access

- Survey parents to determine need
- Explore sources of financial support
- Establish criteria for support
- Raise funds
- Focus on cellular strategy
- Make District facilities available before and after school



## I.A.8 - SCASD Open Wireless

- Configure infrastructure to allow access without becoming free ISP
- Create process for "known guest" accounts
- Explore a "Friends of SCASD" account process



## I.A.9 - Complete I.A.1-5 prior to SY11-12

- See individual response documents
- Action steps listed in "by the start of 11-12" section
- Need board endorsement to move forward





## I.B.1 - Emerging Internet Devices

- Anytime/Anywhere proposal
- iPad pilot at Easterly Parkway
- iPad will be standard K-2 device districtwide starting SY11-12
- Monitor new technology



## I.B.2 - 1:1 through District and Personal Devices

- Anytime/Anywhere
- Stays within current lifecycle budget
- Funds 5 year lifecycle for all District equipment
- Professional development will be key



## I.B.3 - Expand Wireless

- Complete wireless in all instructional areas over the summer
- Survey administrators about instructional need for wireless for outdoor areas
- Budget and install additional wireless according to priority



## I.B.4 - 1:1 Infrastructure

- see I.B.1 - I.B.3
- Anytime/Anywhere proposal



## I.C.1 - Student Technology Competence

- Grade level (K-8) technology skills
- Teachers monitor students
- Peer mentoring program to support "at risk" students
- Build focus toward 21st Century Skills



## I.C.2 - Technology standards

- I.C.1 student technology competencies
- I.C.3 employee technology competencies



## I.C.3 - Employee Technology Competence

- Survey employees to identify key skills
- Develop skill profiles for each job code
- Establish technology competence goals with employees
- Use skill profiles during hiring
- Provide professional development to address needs of all employees



## I.C.4 - Technology competence assessments

- Students - instructional activities and assignments provide authentic assessment
- Employees - supervisors work collaboratively to establish goals and prescribe professional development



## I.C.5 - 21st Century Learning Spaces

- Inservice days devoted to 21st Century Learning and Future Focus Skills
- School visitations
- Discussion of the building project and technology integration



## I.D.1 - "Technology Rich" sections of courses

- Encourage all teachers to incorporate technology as appropriate
- Anytime/Anywhere proposal
- Support technology enhanced experiences for all courses and sections
- We prefer not to identify "technology rich" and "technology light"



## I.D.2 - Assess "Tech Rich" vs "Tech Light"

- See I.D.1
- Not recommending "technology rich" and "technology light"



## I.E.1 - Virtual School

- Individual enrollment courses
  - Health 1 & 2, Phys Ed 9,10,11,12, Drivers Ed
  - 266 registrations - 70% summer
- Virtual Academy - full time virtual school
- Both use E2020 system



## II.1 - ePortfolio

- Develop ePortfolio for all students, aimed at documenting 21st Century Skills
- Accessible by teachers & parents
- Implement SY11-12 with professional development for faculty
- Integrate with technology competencies - I.C.1



## II.2 - On-line tools for feedback to parents

- Communications about MAP
- Sharing student data during conferences
- Build web information about MAP



## III.1 Virtual Communities of Practice

- Identify current services and systems (22 SCoodle professional development topics)
- Virtual copyright course
- Promote MAP communities of practice and Blogs via Schoolwires



## III.2 - Use communities to augment pedagogy

- Develop faculty awareness of resources in SAS
- Identify resources and to communicate faculty
- Expand use of SAS resources





## IV.1 - Financial impact of workflow solutions

- Perform cost/benefit analysis for new, upgraded or enhanced systems
- Consider cost/benefit to determine priority
- Evaluate system impact vs. cost/benefit estimate and report results



## IV.2 - Process improvements through automation

- Online suggestion box to collect improvement ideas
- Perform cost/benefit on suggestions
- Provide feedback to contributors on suggestions and results



## Wrap-up

- We need endorsement on I.A.1-I.A.5 and I.E.1 (virtual academy) by 4/30/11 to meet deadlines
- Concerns from faculty about Anytime/Anywhere
- Anticipate concerns from community/parents about Anytime/Anywhere

## Questions & Discussion

