

The Future of Technology in the State College Area School District

Opportunities and Directions

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Anytime, Anywhere Student Computing

Concept Outline

SCASD

Key Points to Achieve

1. Must accomplish anytime/anywhere technology per the Future of Technology document.
2. Must live within the currently allocated technology life-cycle funding.
3. Must include students bringing personally owned (non-District) equipment to school for school purposes.

2012-13 School Year

Elementary School

- K-2 - iPads classroom set (cart) shared between two teachers
- 3-4 - Macintosh laptops classroom set (cart) shared between two teachers
- 5 - Macintosh laptops classroom set per teacher
- small number of iPads and laptops for special ed, specials, etc.

Middle School

- 6 - Macintosh laptops, 1 per student start year in classroom carts move to student assignment during year (timeframe TBD)
- 7-8 - Macintosh laptops assigned to students at the beginning of the school year.
- eliminate computer labs
- no additional equipment for special ed, specials, etc.

High School/Delta

- 9-12 - student provided equipment that meets minimum standard; any platform/any device that is able to fully use district standard cloud based computing applications.
- 9-12 - district provides Macintosh laptop for students meeting economic criteria
- 9-12 - district organizes an outsourced lease program for students who wish to provide equipment for an annual fee.
- Minimum amount of District provided equipment for online assessments and curricular requirements.

2011-12 School Year

Elementary School

- K-2 - iPads classroom set shared between 2-3 teachers
- 3-4 - Macintosh laptops classroom set shared between 2-3 teachers
- 5 - Macintosh laptops classroom set shared between 2-3 teachers
- eliminate all fixed computer labs (EP, RP, GW)
- complete wireless and mounted projector in all elementary classrooms

Middle School

- 6-7 - Macintosh laptops classroom set shared as current
- 8 & 7 mixed team - Macintosh laptops assigned to students
- computer labs maintained

High School/Delta

- Maintain equipment in place during 10-11 school year

- Allow students to bring personal devices to school and use for school purposes on the District network

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.A.1

Recommendation: The Board should develop or modify District policies to ensure that use of personal Internet access devices within our schools can be safe, secure, and equitable; creating richer, cost effective learning opportunities for all students.

Response Leader(s): Jason/Tom

Response Action Steps: by the start of the 11-12 school year

1. SCASD will create a process for high school student-owned devices to be “registered” for use on the District wireless network.
2. Every device used on the SCASD network will be subject, at all times, to district policies and use-logging to promote safety and security.
3. Policy and procedure needs to be established regarding what action district personnel will take when a student-owned device is being used in violation of district policy.
4. Provide professional development for district employees regarding the acceptable use of student-owned devices including those devices that can access network resources (cellular, etc.) at school without using the SCASD network.
5. MS: 8th Graders and PMFS 7th/Mixed would be assigned laptops for equitable access.
6th and 7th Graders would utilize laptops available in classrooms.
Elementary: Appropriate technology would be provided by the district.

Response Action Steps: during the 11-12 school year

6. MS: 8th Graders and PFMS 7th/Mixed would be assigned laptops for equitable access.
6th and 7th Graders would utilize laptops available in classrooms.
Elementary: Appropriate technology would be provided by the district.
HS: Create and/or update the student handbook procedures to address the addition of personal internet access devices: educate faculty about new procedures. During the school year, educate faculty about “cloud based,” internet programs that can be utilized from any platform computer. Communicate to stakeholders about the shift in technology usage and the implications.

Response Action Steps: by the start of the 12-13 school year

7. If students are required to provide a “learning device,” SCASD will need to develop a process to provide a “learning device” for students with financial limitations.
8. MS: 7th and 8th Graders assigned laptops, 6th graders would start the year using laptops from classroom and then assigned as the year progresses.
Elementary Level: Appropriate technology would be provided by the district
9. MS: Eliminate Computer Labs
HS: Eliminate computer carts and labs while creating a leasing program and a needs based program for students to access/borrow computers

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
Staff development for cloud-based instruction programs	6		

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.A.2

Recommendation: The Administration, in conjunction with the CAC for Technology, should provide guidance for bringing personal Internet access devices to school, adding them to District wireless networks, and incorporating them into instruction.

Response Leader(s): Tom

Response Action Steps: by the start of the 11-12 school year

1. Establish network access for equipment according to a three tiered approach:
 - Tier 1 - District owned - equipment registered/no user authentication required/ access to all resources.
 - Tier 2 - Student/Employee/Known Guest owned - equipment registered/session user authentication/access to most resources.
 - Tier 3 - Unknown - equipment not registered/session user authentication/access to Internet
2. Only District owned equipment will have access to the wired network. Tier 2 and Tier 3 access will be to the wireless network only.
3. Configure infrastructure to provide robust access to District technology resources to Students, Employees and Known Guests without becoming a “free” Internet Service Provider for the community; especially the non-district facilities that surround district property.

Response Action Steps: during the 11-12 school year

4. Provide professional development for high school faculty on strategies to successfully incorporate student-owned devices into instruction.
5. Provide professional development for high school employees on successfully managing the school environment when students are encouraged to use student-owned devices at school.
6. Provide information and support for students who wish to connect their devices to the district wireless network.

Response Action Steps: by the start of the 12-13 school year

- 7.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
Equipment/software purchase	1	\$20,000	

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.A.3

Recommendation: The Administration should develop a plan for placing learning materials and course content on-line so that students and their parents/guardians can access them “anytime/anywhere.”

Response Leader(s): Jason

Response Action Steps: by the start of the 11-12 school year

1. MS/HS/Elementary Level: Examine the information currently listed online for course content and identify areas where the information needs to be updated under the leadership of the curriculum directors and coordinators. This would include determining a standard for the information to be shared

Response Action Steps: during the 11-12 school year

2. MS/HS/Elementary School: Using the standards identified, post all curriculum information on line so that it may be accessed anytime/anywhere
3. MS/HS: Provide avenue for placing appropriate learning materials/handouts on line so that there is parent/student access

Response Action Steps: by the start of the 12-13 school year

4. MS/HS/Elementary Level: Monitor the posted curriculum information yearly, so that updates/changes are made in a timely basis
5. MS/HS: Require placement of appropriate learning materials/handouts on line so that there is parent/student access

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.A.4

Recommendation: All faculty should put assignments on line so that they are accessible to parents for review and to students for collaboration.

Response Leader(s): Jason

Response Action Steps: by the start of the 11-12 school year

1. MS/HS: Teachers would be required to put assignments on middle/high school web sites. At the high school level, faculty will have the assignments or a link to the assignments on their web pages

Response Action Steps: during the 11-12 school year

2. MS/HS: Teachers would be required to put assignments on middle/high school web sites. At the high school level, faculty will have the assignments or a link to the assignments on their web pages
MS/HS: Teachers would be trained to place handouts on middle and high school web site
3. Elementary Level: Teachers would be required to put homework on web for core subject areas in grades (3-5)

Response Action Steps: by the start of the 12-13 school year

4. MS/HS: Teachers would be required to put assignments and handouts on middle and high school web sites

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
Training provided after school	2	No cost	

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.A.5

Recommendation: Electronic learning records should be available to parents of all children under 18, and to all students aged 18 and over.

Response Leader(s): Jason/Jeanne

Response Action Steps: by the start of the 11-12 school year

1. Identify grading program that would be used uniformly at the secondary level. (option as part of student management system)
2. Promote Parent Portal (identify what is already available)

Response Action Steps: during the 11-12 school year

3. Provide staff development for movement to a uniform grading system at the secondary level. (student management system)
4. At the elementary level, explore standards based/narrative progress reporting system.
5. Define electronic records
6. Identify process for inputting electronic records

Response Action Steps: by the start of the 12-13 school year

7. Require secondary teachers to utilize uniform grading program (student management system)
8. At the elementary level, implement standards based/narrative progress reporting system, beginning with mathematics
9. Train parents and students over the age of 18 how to access the records

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
Process of inputting electronic records	6	(hourly rate for staff scanning)	
Prof Dev. Gradebook Training	3,6	release time/ sub costs	release time/ sub costs

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.A.6

Recommendation: Intermediate Unit representatives should monitor the Pennsylvania BTOP (Broadband Technologies Opportunities Program) progress with a goal of less expensive and faster Internet connectivity.

Response Leader(s): Board

Response Action Steps: by the start of the 11-12 school year

1. District technology department staff participated in conversations with IU10 and the member institutions about consortium purchase of network/Internet resources.
2. The SCASD was able to secure Internet services through a local provider at a rate that was 60% lower than the IU consortium rate so the District has contracted with the local provider for a period of 5 years.
3. The SCASD will continue to work with IU10 and the member institutions on acquisition of network resources and/or services and will participate when programmatically and financially appropriate.

Response Action Steps: during the 11-12 school year

- 4.

Response Action Steps: by the start of the 12-13 school year

- 5.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
None			

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.A.7

Recommendation: The District should investigate opportunities to improve student Internet access outside of normal school hours to decrease the “digital divide” between those families with Internet access and those without. If a need exists, one way it could be addressed is a private fundraising effort.

Response Leader(s): Karen/Wilda

Response Action Steps: by the start of the 11-12 school year

1.

Response Action Steps: during the 11-12 school year

1. Determine the need through a survey of all parents/guardians to determine household Internet access and affordability. It is important to contact families through non-internet means such as a mailed survey and telephone follow up.
2. If a substantial need exists, funds to assist families will need to come from other than the district budget.
3. Examine sources of financial support for families who lack the resources to afford internet access. Internet access could be provided through a cellular device. Sources may include: (consider that simultaneous ongoing private fundraising efforts such as capital campaigns and naming opportunities may also be occurring)
 - Sponsorships - Local businesses, corporations (Comcast, Verizon, etc.)
 - Private contributions - individuals and companies
 - Create Centre County Community Foundation fund
 - Other sources - grants, foundations, endowments
4. Contact and solicit financial support from the selected sources.
5. Establish criteria (income guidelines, etc.) and application procedures for determining which families receive support. The district will use the criteria that is currently in place for non-resident tuition.
6. Support for families will be provided on a sliding scale, based on income. Vouchers will be distributed to each family requesting support.
7. A contract or letter of agreement will be necessary to
8. To ensure funds are used for their intended purpose, the district will need to manage payment for each household service to each internet provider over the fiscal year.
9. To be ready for the start of the 12-13 school year, installation of internet access should occur during the summer.
10. Establish an after-hours computer lab for student use open long hours before and after regularly scheduled school day.

Response Action Steps: by the start of the 12-13 school year

9. Internet access should be available to all students.

10. Ongoing fundraising efforts to maintain existing families' access and fund new student needs.
11. Update need through annual survey and/or new student registration.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
Mailings, printing, forms, staff time	1,3,4,5,6,8, 10, 11	\$6,000	\$3,000

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.A.8

Recommendation: The SCASD should investigate potential mechanisms to create “anyone” (i.e., public and community) guest wireless Internet access that could be used by continuing education students and visitors.

Response Leader(s): Tom

Response Action Steps: by the start of the 11-12 school year

1. Configure infrastructure to provide robust access to District technology resources to Students, Employees and Known Guests without becoming a “free” Internet Service Provider for the community; especially the non-district facilities that surround district property.
2. Tier 2 or Tier 3 access (see I.A.2) can be established for students (Community Education) or guests (Known Guests) by creating SCASD user accounts. Processes for creating these accounts already exists but may need to be extended/expanded/communicated to provide additional appropriate network use.

Response Action Steps: during the 11-12 school year

3. Explore a process of establishing a “Friends of SCASD” user account process for parents and community members which could provide access to wireless network resources.

Response Action Steps: by the start of the 12-13 school year

- 4.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
None			

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.A.9

Recommendation: Recommendations 1-5 should be completed prior to the beginning of the 2011-2012 school year.

Response Leader(s): Tom

Response Action Steps: by the start of the 11-12 school year

1. Complete initial implementation of I.A.1, I.A.2, I.A.3, I.A.4 and I.A.5 prior to the start of the 2011-12 school year.

Response Action Steps: during the 11-12 school year

- 2.

Response Action Steps: by the start of the 12-13 school year

- 3.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.B.1

Recommendation: The SCASD should investigate whether and at what grades more recent or emerging Internet access devices (e.g., iPads, thin client and mobile computing devices) would be appropriate to satisfy or augment "one-to-one" computing goals.

Response Leader(s): Tom

Response Action Steps: by the start of the 11-12 school year

1. An [Anytime/Anywhere proposal](#) has been developed that describes equipment distribution K-12 and the implementation schedule for the 11-12 and 12-13 school years.
2. iPads are currently being pilot tested as the "student learning device" in grades K-2 at Easterly Parkway. Current results of the pilot suggest that the District will standardize on iPads for all K-2 students starting in the 11-12 school year according to the Anytime/Anywhere proposal.

Response Action Steps: during the 11-12 school year

3. Continue to monitor equipment developments to identify devices that have potential to support SCASD instruction with reduced costs. Continue to test products that appear to contain improvements.

Response Action Steps: by the start of the 12-13 school year

- 4.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.B.2

Recommendation: With increased fiscal constraints on all parts of the District budget, the Administration should seek ways to achieve "one-to-one" computing employing a variety of personal and district-owned Internet access devices while maintaining reasonable lifecycle funding for district-owned devices.

Response Leader(s): Tom

Response Action Steps: by the start of the 11-12 school year

1. An [Anytime/Anywhere proposal](#) has been developed that describes equipment distribution K-12 and the implementation schedule for the 11-12 and 12-13 school years.
2. The Anytime/Anywhere proposal can be implemented without adding additional funds to the current (FY10-11) technology lifecycle budget.
3. Implement Anytime/Anywhere proposal for 11-12

Response Action Steps: during the 11-12 school year

4. Monitor and evaluate experiences with 11-12 implementation of Anytime/Anywhere proposal.
5. Prepare for implementation of the 12-13 Anytime/Anywhere.

Response Action Steps: by the start of the 12-13 school year

6. Finalize establishment of all systems, services and professional development required for implementation of the 12-13 Anytime/Anywhere

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
None			

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.B.3

Recommendation: The Director of Technology should continue to improve the wireless connectivity in all buildings and outside areas in the District.

Response Leader(s): Tom

Response Action Steps: by the start of the 11-12 school year

1. All indoor instructional areas of SCASD school buildings will covered with adequate SCASD enterprise-class wireless connectivity to support typical forms of instruction.

Response Action Steps: during the 11-12 school year

2. Survey SCASD administrators to determine interest in and priority for adding wireless network access to outdoor areas on District property.
3. Develop a budget for adding wireless network coverage to areas of priority per the survey.

Response Action Steps: by the start of the 12-13 school year

4. Install wireless network for outdoor areas according to administrative priorities and funding availability.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
Outdoor wireless network access	4	\$0	TBD

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.B.4

Recommendation: One-to-one and infrastructure recommendations should be implemented in a manner that best supports the goal of anywhere/anytime access to learning resources.

Response Leader(s): Tom

Response Action Steps: by the start of the 11-12 school year

1. All indoor instructional areas of SCASD school buildings will covered with adequate SCASD enterprise-class wireless connectivity to support typical forms of instruction.
2. An [Anytime/Anywhere proposal](#) has been developed that describes equipment distribution K-12 and the implementation schedule for the 11-12 and 12-13 school years.

Response Action Steps: during the 11-12 school year

3. See I.B.1, I.B.2 and I.B.3

Response Action Steps: by the start of the 12-13 school year

4. See I.B.1, I.B.2 and I.B.3

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.C.1

Recommendation: The District should revisit and expand their objectives to determine student technology competence. They may be part of a broader set of SCASD grade/domain specific 21st century skills (TBD) that include critical thinking, complex problem solving, collaboration and multimedia communication.

Response Leader(s): Tom/Jeanne

Response Action Steps: by the start of the 11-12 school year

1.

Response Action Steps: during the 11-12 school year

2. Document by grade level (K-8) the specific technology skills that students need to be successful.
3. Communicate grade level skills to teachers (also students and parents) to help teachers identify students who are “at risk” with regard to technology literacy.
4. Create a peer mentoring program to provide support for technology literacy “at risk” students.
5. Work toward a goal where all students are successful in their use of technology for learning and for demonstrating 21st Century Skills.

Response Action Steps: by the start of the 12-13 school year

6.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
None			

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.C.2

Recommendation: District technology standards and competencies should be specific:

- for each grade level
- by subject area
- for existing instructional staff
- for new teachers

Response Leader(s): Tom/Jeanne

Response Action Steps: by the start of the 11-12 school year

1.

Response Action Steps: during the 11-12 school year

2. See I.C.1 regarding student technology competencies
3. See I.C.3 regarding employee technology competencies

Response Action Steps: by the start of the 12-13 school year

4.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.C.3

Recommendation: Development of technology standards and competencies should be highly inclusive, incorporating feedback from faculty, students, and administration.

Response Leader(s): Tom/Jeanne

Response Action Steps: by the start of the 11-12 school year

1.

Response Action Steps: during the 11-12 school year

2. Survey District employees to determine what skills staff members feel are needed to successfully perform their jobs.
3. Survey District employees to determine the importance and their current level of competence for the identified skills
4. Create a listing of technology competencies for each job code in the SCASD

Response Action Steps: by the start of the 12-13 school year and beyond

5. Provide professional development for employees to support their attainment of identified technology competencies.
6. Establish performance evaluation goals for employees who need to master additional technology competencies.
7. Use the technology competency profiles during the hiring process and communicate technology proficiency expectations to all job candidates.
8. Determine technology proficiency of all newly hired employees and provide professional development as needed.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
None			

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.C.4

Recommendation: SCASD should increase feedback to assure that technology competence has been achieved by defining and implementing online/virtual assessment instruments.

Response Leader(s): Tom/Jeanne

Response Action Steps: by the start of the 11-12 school year

1.

Response Action Steps: during the 11-12 school year

2.

Response Action Steps: by the start of the 12-13 school year and beyond

3. Student completion of various instructional activities and assignments provide authentic assessments for teachers to measure student technology literacy/competence.
4. Supervisors will work with employees to identify technology skill deficiencies and will prescribe professional development and identify performance evaluation goals targeting those deficiencies.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.C.5

Recommendation: Inclusion of technology into the design of our new 21st century learning spaces should be done with an eye toward long-term adaptability and sustainability. It is our belief that this will maximize the technology investment while maintaining flexible, collaborative learning environments.

Response Leader(s): Mike

Response Action Steps: by the start of the 11-12 school year

High School:

1. Four half-day building inservice sessions during the 2010-11 school year devoted to 21st Century Learning and Future Focus Skills
2. School visitations during the 2010 - 2011 school year designed to identify how other schools integrate technology into learning spaces and common spaces in the Building Project

Response Action Steps: during the 11-12 school year

1. Discussions with community leaders and groups about the Building Project and the integration of technology into the instructional program.

Response Action Steps: by the start of the 12-13 school year

- 2.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.D.1

Recommendation: SCASD should develop "technology rich" sections of existing courses at the High School and Delta Program where students can use their own (personal or District property) Internet access device.

Response Leader(s): Chris/Jon

Response Action Steps: by the start of the 11-12 school year

1. We are in favor of encouraging all teachers to continue to develop technology rich curriculum and to collaborate and share ideas with colleagues. This has been our philosophy to date.
2. In two departments (English and Social Studies), teachers participated in the Classrooms for the Future grant. They were provided a classroom laptop cart in return for taking two online courses that focused on teaching 21st century skills. Asking them to develop technology rich or technology light courses would take them backwards. Other departments also participated in yearlong technology training as laptop carts in exchange for access to laptop carts.
3. The "Anywhere, Anytime" aspect allows (and may then require) students to use their own personal devices so access to technology will not be a barrier any longer. Teachers will be able to incorporate more technology rich curriculum across the board.
4. Technology allows for more students to be involved in discussions outside the classroom walls. It allows for more student voice and creativity than an "in the moment" classroom discussion. We have and will continue to support technology enhanced experiences in all of our courses.

Response Action Steps: during the 11-12 school year

1. Staff development and digitally sharing teaching ideas and resources via virtual sharing communities such as the *High School Learning Community*, a virtual sharing/discussion SCoodle course developed in the fall of 2010.
2. Staff development of web-based alternatives to Mac platform software.
3. Dedicate inservice and department time for sharing, discussion, and collaboration of technology rich curriculum.

Plan for assessment:

1. Survey teachers and students on the types and amount of technology that is being used in classrooms. As part of the teacher survey, ask them to explain **why** they are using the particular technology they use.
2. Monitor and require the use of the online professional development sharing communities.

3. Use teacher evaluation process to evaluate the effective use of technology rich lessons.

Response Action Steps: by the start of the 12-13 school year

1. Review and troubleshoot unforeseen issues encountered during 2011-12.
2. Continued professional development of best practices related to 21st century teaching and learning.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.D.2

Recommendation: The administration should create a plan to assess whether "technology rich" sections produce better or different learning outcomes than "traditional" or "technology light" implementations.

Response Leader(s): Chris/Jon

Response Action Steps: by the start of the 11-12 school year

1. As per I.D.1, we are not recommending that we pursue technology rich or technology light sections.

Response Action Steps: during the 11-12 school year

- 2.

Response Action Steps: by the start of the 12-13 school year

- 3.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: I.E.1

Recommendation: The District should continue to develop the State College Virtual School as outlined in the Educational Technology Report to PDE. In addition to Virtual School courses, course content/material could be used in a blended learning model with traditional courses, and to enhance "technology rich" course sections.

Response Leader(s): Chris/Jon

Response Action Steps: by the start of the 11-12 school year

1. An administrative leadership team has developed a proposal to launch virtual courses for the 2011-12 school year.

Virtual School Plan for 2011-12 PROPOSAL

Virtual Academy (Full-time Students)

- Offer a full load of classes to enroll a full time virtual student to begin at the start of the 2010-11 school year.
- We plan on having at least 50 courses (primarily E2020) available that will mirror the scope and sequence of the courses taught at State High.
- There will be no student cost associated with this program
- A district issued computer will be provided to the student unless they have a computer that meets the technology specs set forth by E2020.
- February 2011- Open registration for Fall 2011
- Staffing
 - .17 Teacher assigned in the following areas: English, Math, Social Studies, Science, Health/PE (these teachers will also be monitoring/assisting students in these areas at RIT)
 - A school counselor will be associated with the Virtual Academy
 - Any elective course that is not encompassed in the above staffing assignment we will cover the elective with the RIT teacher as the teacher of contact and teacher of record will be the department coordinator
- A registration cap of 20 students will be in place for the 2011-12 school year

Individual Enrollment Virtual Courses

- Offer the following single courses in 2011-12 to any/all enrolled 9-12 SCASD student:
 - Health 1 (E2020)
 - Health 2 (E2020)
 - Drivers Education (SCoodle)
 - Physical Education (E2020)
- We will hold a registration period in the early part of 2011 in which students will choose

if they are going to take the course in Summer 2011, Fall 2011, Spring 2012. This will accompany the traditional registration (course request) process that takes place for State High courses.

- Once this registration period ends we will use the following formula to assign a teacher to each student
 - when a course block equals number of students in traditional sections it will be assigned to a teacher as a section during their contractual day
 - any student above that block will be assigned individually to a certified teacher who is willing to take this assignment on outside of their contract. The pay rate will be determined by the CBA.
 - For example: If we have 73 students register for a course in the Fall of 2011 we will assign two sections to a teacher(s) as part of their daily assignment and assign the remaining students to teachers to work with outside of their contractual assignment.
 - Any drops or adds after the close of registration will not change the section assignments.
 - Any section that a teacher may have in place of a bricks an mortar course, they will be required to be in a location during this time period.
- Instruction of these courses is all asynchronous, regardless of how the teacher assignments are arranged.
- Students who choose to take one of these courses will be charged at a rate of \$300/ credit.

Other uses of Virtual School Courses

- The RIT Program
- Credit Recovery (State High)
- Homebound Instruction
- Other special circumstances to meet the needs of the student
- There will be no student fee for these courses for the above reasons
- During the 2010-11 school year we have had 50 students enroll in 28 different courses.

Steps Taken

- Communications with stakeholders (School District Administration, School Counselors, & High School Faculty, SCAEA Representatives)
- Visit to Seneca Valley High School in May of 2010 to learn about start up and use of E2020 curriculum
- Attended virtual school presentations at the *Improving Schools Conference* at the Penn Stater in January of 2011
- Email sent to all high school faculty on January 14th inviting them to meet with us on January 20th or schedule appointment to meet with us to answer questions they may have.
- High School "Open House" on January 20th to answer questions (10 faculty attended, 3 staff)
- Meeting with Physical Education & Health department (9-12)

2. Developing courses in collaboration with SCASD faculty that will align with the curriculum that takes place in “bricks & mortar” classroom.

Response Action Steps: during the 11-12 school year

3. Start on an online course that we do not currently teach at State High (Anthropology?)
4. Assess the current initiative

Response Action Steps: by the start of the 12-13 school year

- 5.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
Continuing subscription to E2020 courses	All	25,000	
Training of teachers on E2020		5,000	
Purchase computers for Academy students			

Response Summary - Future of Technology Document Recommendations

Recommendation Number: II.1

Recommendation: The SCASD should continue to evaluate and implement ePortfolio solutions and software with the goal of a demonstrable on-line path of growth for each District student. This growth path should include definable learning outcomes consistent with SCASD standards for technology competence (i.e., Recommendation I.C.1).

Response Leader(s): Jeanne/Tom

Response Action Steps: by the start of the 11-12 school year

1. Development of an ePortfolio for students to enter samples of their work and to document their acquisition of 21st Century Skills.

Response Action Steps: during the 11-12 school year

2. Broad implementation of the ePortfolio for students K-12.
3. Professional development for faculty focused on inclusion of 21st Century Skills into instruction and use of the ePortfolio for student products and assessment.
4. Use of the technology competency model described in I.C.1

Response Action Steps: by the start of the 12-13 school year

- 5.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
None			

Response Summary - Future of Technology Document Recommendations

Recommendation Number: II.2

Recommendation: As faculty better understand the District on-line assessment and reporting tools, the Board recommends the use of these systems to provide better and more timely feedback to parents/guardians, consistent with Recommendation I.A.5.

Response Leader(s): Pam

Response Action Steps: by the start of the 11-12 school year

1. Communication with parents regarding the MAP assessment
2. Development of a SCASD website for MAP information
3. Links to NWEA Website for Parent Tools

Response Action Steps: during the 11-12 school year

1. Sharing individual student data with parents in grades K-8 during Parent/Teacher Conferences in October 2011
2. Expansion of the SCASD website for MAP information

Response Action Steps: by the start of the 12-13 school year

To be determined based upon first full year of implementation.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: III.1

Recommendation: SCASD should create virtual community(ies) of practice where instructional best practices are shared.

Response Leader(s): Pam

Response Action Steps: by the start of the 11-12 school year

1. Identify services and systems we currently have in place and in use (e.g., Scoodle courses). ITSs shared that virtual communities of practice thrive when they provide a meaningful community to participating individuals and are initiated and sustained by active members of the virtual community. Current level of SCoodle courses created for professional development purposes: 22.
2. Implement virtual format Copyright course

Response Action Steps: during the 11-12 school year

3. Provide faculty with information RE:
 - MAP communities of practice in support of MAP implementation
 - Blogs via SchoolWires
4. Continue to encourage use in a meaningful way (see comment in #1) with support from District ITSs.

Response Action Steps: by the start of the 12-13 school year

5. Increase use by administrators and faculty.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: III.2

Recommendation: Administration and staff should investigate ways to use these virtual communities of practice to augment pedagogy (virtual help desks).

Response Leader(s): Pam

Response Action Steps: by the start of the 11-12 school year

1. Continue to develop faculty awareness of the resources available through PDE's Standards Aligned Systems (SAS)

Response Action Steps: during the 11-12 school year

2. Identify and communicate to faculty resources such as:
 - Best Evidence Encyclopedia: <http://www.bestevidence.org>
 - Newspapers in Education: <http://www.nieteacher.org>
3. Expand use of SAS resources as they are more fully developed by PDE and Performance Learning Systems

Response Action Steps: by the start of the 12-13 school year

4. Expand use of SAS resources (i.e., curriculum mapping tools) as they are available to made available to school districts (PDE and Performance Learning Systems)

Note: Recent information from PDE indicates that the future development of SAS may be impacted Pennsylvania budget issues.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13

Response Summary - Future of Technology Document Recommendations

Recommendation Number: IV.1

Recommendation: As the District upgrades its current workflow software, the Board encourages an ongoing analysis of the financial impact of workflow solutions.

Response Leader(s): Tom

Response Action Steps: by the start of the 11-12 school year

1. Prior to acquisition of new systems, upgrading or enhancing existing systems the District will conduct a cost/benefit analysis.
2. The results of the cost/benefit analysis will be considered when determining project priority and in allocating District resources.
3. Completed projects will be evaluated to determine actual costs and actual benefits and results will be reported to internal customers and administration.

Response Action Steps: during the 11-12 school year

- 4.

Response Action Steps: by the start of the 12-13 school year

- 5.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
None			

Response Summary - Future of Technology Document Recommendations

Recommendation Number: IV.2

Recommendation: The Board encourages all employees, students, and parents to suggest processes which can be automated or improved with the addition of technology.

Response Leader(s): Tom

Response Action Steps: by the start of the 11-12 school year

1. Create and promote an “online suggestion box” to collect suggestions for process automation or improvement through technology.
2. Submitted suggestions will be subject to the cost/benefit analysis as described in IV.1
3. Individuals contributing suggestions will be provided feedback on the status of their suggestion and the results, if implemented.

Response Action Steps: during the 11-12 school year

- 4.

Response Action Steps: by the start of the 12-13 school year

- 5.

Budget Additions:

Description	Action Step #	Amt FY11-12	Amt FY12-13
None			