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# Pennsylvania Department of Education

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COMMONWEALTH OF PENNSYLVANIA  
**DEPARTMENT OF EDUCATION**  
333 MARKET STREET  
HARRISBURG, PA 17126-0333

## **Educational Technology Report**

**Monday, June 09, 2008**

**Entity:** Sayre Area SD

**Address:** Intersection of State Rte 1056 and 1067  
Sayre, PA 18840

**Phone:** (570) 888-7615

**Contact Name:** Dean Hosterman

## Core Purpose

### Mission

(One of these statements will be chosen for our mission statement.)

1. Building a foundation of excellence, one student at a time.
2. Inspiring today's learners for tomorrow's challenges.
3. Educating today's student for tomorrow's world.

### Vision

Working collaboratively, we inspire a passion for learning, a commitment to excellence, and a respect for individuals as we prepare our students to face ever-changing global demands.

#### OUR:

- schools are student-centered, research and data driven, and future focused.
- challenges and successes are used as a catalyst for future growth, improvement and change.
- schools focus on all students.
- district utilizes state of the art technology.
- curriculum, instruction, and assessment are continually evolving to ensure alignment with academic standards.
- schools use best instructional and assessment practices.
- district provides schools and resources that support proper programming, pre-K through adult.
- schools, parents, and community work together to provide well rounded educational opportunities.

### Shared Values

The following shared values are built around the concept that all students can reach proficiency with support.

- The District is committed to providing a safe and respectful environment for all.
- All staff will work cooperatively with parents, students and community in a combined effort to increase and support student learning.
- Differentiated instruction will be based on on-going assessment data and the application of research-based instructional strategies to meet the needs of every learner.
- District decisions will be based on student performance data to ensure that students demonstrate their highest levels of proficiency.
- All students bring diverse backgrounds requiring differentiated approaches to teaching and learning.
- Classroom instruction must be engaging, purposeful, and relevant.
- Effective educators employ best practices and nurture a culture conducive to student learning and continuous professional growth.
- Education is enhanced when there is collaboration, open communication, and shared responsibility among stakeholders; students, parents, faculty, staff, administrators, school board, and community members.

## Needs Assessment

Sayre Area School District is committed to leveraging technology to improve the education provided within the district. Our district conducts an annual technology needs assessment which is used to identify and prioritize the technology needs of our teachers, staff, and students. This report must include an assessment of the telecommunication services, hardware, software, and other services that will be needed to improve education.

Technology Developments (emerging technologies that our district may take advantage of):

Each year we create a detailed technology plan which includes new technology and a replacement plan for old technology. Here are some of the new technologies that our school district is planning to take advantage of:

1. **VIRTUALIZATION:** The district has identified Virtualization as a method of increasing the efficiency and cost of delivery technology solutions to the staff, teachers, and students. Virtualization will allow the district to move to new server technologies in a faster manner that will reduce the support costs and long term server costs. We will leverage a few physical servers that will in turn produce many virtual servers.
2. **MEDIA RICH TECHNOLOGIES:** The district will continue to implement and leverage media rich technologies such as Discovery Education. We will continue to expand the breadth of offerings to our students and teachers. These technologies specifically aid the visual learners within our district.
3. **BLENDED SCHOOLS:** The district will leverage the course offerings of Blended Schools. This will provide opportunities for students that they could not normally get at our district. We will continue to expand the utilization of this technology.
4. **REGIONAL WAN / STATE WAN:** The district will continue to participate in the Regional WAN / State WAN. This technology initiative will allow the school to access resources from throughout the state (and potentially access colleges). Additionally, this technology will allow us to access Internet 2 type technologies. The focus will be on providing more educational learning opportunities for our students and teachers.
5. **DIGITAL MEDIA:** The district will work to provide students with opportunities to create rich digital media (including digital images and digital movies). This will give students the opportunities to create 21st century projects.

Identification of New Technologies (how do you identify potential new technologies that may be used to improve education for your school or community):

1. **BLaST IU 17:** The district will continue to attend IU17 events that identify new technologies that may be leveraged to improve education for our district. For example, Discovery Education media rich applications were identified by IU17.
2. **PETE&C (Pennsylvania Educational Technology Expo & Conference):** The district will continue to attend PETE&C to identify new technologies that may be leverage at our district. For example, smart tablets were demonstrated at PETE&C and then purchased for classroom instruction.

3. PDE CFF (Classrooms for the Future): The district has utilized CFF training and conferences to identify new technologies such as Wikis, Skype, and much more. The district hopes that CFF will continue or some variation of this resource (this has been a wonderful resource for our district).
4. INTERNET: The district will continue to research new technologies via internet and webinars from a variety of vendors.
5. TECHNOLOGY COMMITTEE: The district will utilize the expertise of our technology committee (recommended technology to research).

Strengths and Weaknesses (related to technology and have been identified by staff, students, or parents — utilize surveys):

1. STRENGTHS:

- a. STRONG LEADERSHIP: Our district, our school board, our admin team, and our teachers are committed to leveraging technology to improve the education delivered to our students. For example, our technology committee meets and guides our district in new technologies that can provide good educational solutions to our students. Our district's commitment to technology ensures that we have what we need, while also ensuring that our district is good stewards of the funding received.
- b. WELL PLANNED: Sayre Area School District utilizes planning. We strongly believe that "proper planning produces good results".
- c. WIDE VARIETY OF RESOURCES: Our district's staff has a wide variety of skill sets. For example, our Technology Integrator is not only our Art teacher but also well versed in computer animation.

2. WEAKNESSES:

- a. OLD FACILITIES: Our district's buildings are old and many times that environment was not designed to support technology. The good news is that our facility planning is implementing upgrade plans to our facilities. Of course this will take time and financial commitment to our project.

## **Goals and Strategies**

### **Goal: Communications**

*Description:* To continue to increase communications/responsiveness/sensitivity in all aspects of district operations

### **Strategy: Communicate Strategic Plan**

*Description:* Communicate the goals, strategies, and action plans for the 2009-2014 Strategic

Plan to ensure the successful implementation of the plan.

*Activities:*

Activity	Description	
Strategic Plan on District Website, Opening Day, and School Board Updates	1. Strategic plan documents placed on the district website. 2. An overview of the Strategic Plan goals will be presented during opening day events to all district employees in order to ensure the successful implementation of the Strategic Plan goals. 3. Place "Strategic Plan" as a monthly agenda item for School Board of Directors meetings.	
Person Responsible	Timeline for Implementation	Resources
Dean Hosterman	Start: N/A Finish: N/A	\$0.00

**Strategy: Parent Communications**

*Description:* Promote and establish ongoing communications between the school district and parents.

*Activities:*

Activity	Description	
District Portal for Parent Access (Edline)	The District Technology Committee will explore options for improving parent communication through technology (i.e. Edline) Explore options for improving the portal on the district website so that parents can access information about their children (assignments, discipline records, etc.)	
Person Responsible	Timeline for Implementation	Resources
Dean Hosterman	Start: N/A Finish: N/A	\$0.00

Activity	Description	
ParentLink	The District Technology Committee will explore options for improving parent communication through technology and the use of ParentLink. ParentLink has been setup and went live on March 5, 2008.	
Person Responsible	Timeline for Implementation	Resources
Dean Hosterman	Start: N/A Finish: N/A	\$20,400.00

Activity	Description	
Web Site	We will continue to use the District Wide Web site that is now updated on a daily schedule (prior to this, the web site was updated on a sporadic basis). We will continue to upgrade our web server technology in order to improve parent communications.	
Person Responsible	Timeline for Implementation	Resources

Rick Rava	Start: N/A Finish: N/A	\$0.00
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**Strategy: Promote and Market District**

*Description:* Promote and market the district by providing an up-to-date calendar using multi-media sources (i.e. on-line, local radio and television stations, newspaper, Schedule Star, Parent Link) and collaboration with the district's community relation committee and PTG.

*Activities:*

Activity	Description	
District Events Calendar	Develop and maintain a District Information/Announcements/Calendar of Events through collaboration between the Technology Department, WebMaster, Athletic director, Schedule Star Referencing, Director of Building and Grounds, and Building Principals.	
Person Responsible	Timeline for Implementation	Resources
Dean Hosterman	Start: N/A Finish: N/A	\$6,000.00

**Goal: Curriculum, Instruction, Assessment, and Reporting**

*Description:* By 2013 the Sayre Area School District will meet or exceed the AYP required proficiency levels as set by PDE and NCLB in all curricular areas.

**Strategy: Data**

*Description:* Utilize data and research to assess and evaluate student performance to improve overall student achievement.

*Activities:*

Activity	Description	
Student Data Management System	Continuously monitor both local and state assessment results to determine targets for improvement of student achievement of the academic standards.	
Person Responsible	Timeline for Implementation	Resources
Dean Hosterman	Start: N/A Finish: N/A	\$0.00

**Goal: Four Year Graduation Rate (for districts and schools that graduate seniors)**

*Description:* The Sayre Area School District's Graduation Rate will meet the 80% threshold set by NCLB and/or show growth.

**Strategy: Blended Schools**

*Description:* Students may be enrolled part or full time through Blended Schools or may work on credit recovery of failed courses in order to remain in high school and to complete high school requirements.

*Activities:*

Activity	Description
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Enrollment	Qualifying students may be evaluated to determine the need for enrollment into the Blended Schools Program. An individualized student plan will be developed and monitored. The goal is to keep students in high school by using a nontraditional method which doesn't require regular school attendance but rather the attainment of goals and completion of high school coursework.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Dean Hosterman	Start: N/A Finish: N/A	\$0.00

**Goal: Reading**

*Description:* By 2013 the Sayre Area School District will meet or exceed the AYP required proficiency levels as set by PDE and NCLB.

**Strategy: Remedial Instruction in Reading**

*Description:* Teachers will learn to implement research based strategies and to adopt instruction in order to improve reading skills.

*Activities:*

Activity	Description	
Study Island	Study Island is a web-based state assessment preparation program that is based on academic standards. This program is used as a supplementary program to the regular curriculum. The staff that use these intervention programs will be trained in the most effective use of the programs to promote student achievement in reading and language arts.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Michelle Murrelle	Start: 4/16/2008 Finish: N/A	\$5,000.00
<b>Professional Development Activity Information</b>		
<b>Number of Hours Per Session</b>	<b>Total Number of Sessions Per School Year</b>	<b>Estimated Number of Participants Per Year</b>
1	2	20
<b>Organization or Institution Name</b>	<b>Type of Provider</b>	<b>Provider's Department of Education Approval Status</b>
Sayre Area School District	<ul style="list-style-type: none"> <li>School Entity</li> </ul>	Approved
<b>Knowledge and Skills</b>	<b>Research and Best Practices</b>	<b>Designed to Accomplish</b>
The teachers will need to learn how to use the technology and data applications of the software to best benefit student achievement in reading and language arts.	Extended classroom and school day opportunities for learning have proved beneficial to increased student learning.	<p><i>For classroom teachers, school counselors and education specialists:</i></p> <ul style="list-style-type: none"> <li>Enhances the educator's <u>content knowledge</u> in the area of the educator's certification or assignment.</li> </ul>

		<ul style="list-style-type: none"> <li>• Provides educators with a variety of classroom-based <u>assessment skills</u> and the skills needed to <u>analyze and use data</u> in instructional decision-making.</li> <li>• Empowers educators to work effectively with <u>parents and community partners</u>.</li> </ul> <p><i>For school and district administrators, and other educators seeking leadership roles:</i></p> <ul style="list-style-type: none"> <li>• Provides the knowledge and skills to <u>think and plan strategically</u>, ensuring that assessments, curriculum, instruction, staff professional education, teaching materials and interventions for struggling students are aligned to each other as well as to Pennsylvania's academic standards.</li> <li>• Provides leaders with the ability to <u>access and use appropriate data</u> to inform decision-making.</li> <li>• Empowers leaders to create a <u>culture of teaching and learning</u>, with an emphasis on learning.</li> <li>• Instructs the leader in <u>managing resources</u> for effective results.</li> </ul>
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**Educator Groups Which Will Participate in this Activity**

<b>Role</b>	<b>Grade Level</b>	<b>Subject Area</b>
<ul style="list-style-type: none"> <li>• Classroom teachers</li> <li>• Other educational specialists</li> </ul>	<ul style="list-style-type: none"> <li>• Early childhood (preK-grade 3)</li> <li>• Elementary (grades 2-5)</li> </ul>	<ul style="list-style-type: none"> <li>• Reading, Writing, Speaking &amp; Listening</li> </ul>

<b>Follow-up Activities</b>	<b>Evaluation Methods</b>
<ul style="list-style-type: none"> <li>• Analysis of student work, with administrator and/or peers</li> <li>• Creating lessons to meet varied student</li> </ul>	<ul style="list-style-type: none"> <li>• Student PSSA data</li> <li>• Standardized student assessment data other than the PSSA</li> </ul>

learning styles	
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**Goal: Technology Integration**

*Description:* Fully integrate technology into both the instruction and operation areas of the Sayre Area School District.

**Strategy: Classroom Educational Technology**

*Description:* Continue to implement new educational technology in the classroom to enable students to learn in a more hands-on, visually stimulating environment.

*Activities:*

Activity	Description	
Classroom Computers (Learning Centers)	In order to better meet the various learning needs of each student, more computers are needed in the classrooms. This allows teachers to better address and break up classes into learning centers (for example, if a student needs additional help on a specific topic, the student could work with technology to improve their skills).	
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Computer Projectors	Continue to implement computer projectors in the classrooms to create a visually stimulating learning environment. As a result of the WAN project, we now have high-speed internet technologies available to the district. In order to better leverage these technologies in the classrooms, computer projectors were cited as one of the top needs.	
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Digital Cameras / Camcorders	Continue to implement digital cameras and camcorders for students and teachers to leverage digital media in the classroom.	
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Printers / Scanners	Continue to implement printers and scanners in the actual classrooms.	
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Smart Tablets / Smart Boards	Continue to implement Smart Tablets / Smart Boards in the classroom to create a more interactive and visually stimulating teaching environment.	
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A Finish: N/A	\$0.00

**Strategy: IT Management Tools**

*Description:* Continue to implement and leverage IT Management Tools to better manage the software and systems within the district.

*Activities:*

Activity	Description	
Desktop Management	Continue to implement technology that allows us to better support the technology within the district such as:  1. Quickly install or upgrade software on the districts desktops. For example, to upgrade to the latest version of Geneva Logic classroom management software is no done either on a desktop to desktop basis or by re-imaging the desktops. Both solutions are time consuming and labor intensive. 2. Remotely troubleshoot and reconfigure PCs while the end user is still on their PCs. 3. Manage our Microsoft environment efficiently. For example, this system allows us to configure MS Outlook clients (non web) without using the user's login account.	
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A Finish: N/A	\$0.00

**Strategy: Network Infrastructure**

*Description:* Develop and maintain reliable network connections between our school buildings.

*Activities:*

Activity	Description	
Network Building Connections	Continue maintaining our school buildings fiber and T1 lines. We will continue to upgrade and replace all of our network closet equipment (we were experiencing network drops and outages and performance issues that are now fixed. We have completed our plan to address this problem).	
Person	Timeline for Implementation	Resources

<b>Responsible</b>		
Rick Rava	Start: N/A Finish: N/A	\$0.00

<b>Activity</b>	<b>Description</b>	
Network Closet Equipment	We will continue to upgrade and replace all of our network closet equipment (we were experiencing network drops and outages and performance issues that are now fixed. We have completed our plan to address this problem). We will be moving our core network switch / fiber to our data center for better environmental control and to improve performance of our network. We will be moving our science wing network closet due to science wing renovations.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Rick Rava	Start: N/A Finish: N/A	\$0.00

<b>Activity</b>	<b>Description</b>	
Network Wiring / Fiber	Continue to redesign current network structure to improve reliability, maintainability, and performance of our network. Plans include fiber and copper wiring redesign and expansion.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Rick Rava	Start: N/A Finish: N/A	\$0.00

<b>Activity</b>	<b>Description</b>	
Wireless Network Access	We will continue to upgrade and expand our wireless network to expand the utilization of technology in the classrooms (initiated by the Classrooms for the Future project).	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Rick Rava	Start: N/A Finish: N/A	\$0.00

**Strategy: Professional Development**

*Description:* Teachers will be given instruction on integrating technology in their classrooms

*Activities:*

<b>Activity</b>	<b>Description</b>	
Inservice Training with Technology	Teachers will be trained with technology in the following areas: Item Analysis, Promethean Boards, Taking It Global, Skype, Photostory 2, Google Does, Google Earth	
<b>Person Responsible</b>	<b>Timeline for</b>	<b>Resources</b>

	<b>Implementation</b>	
Samuel Cessna	Start: 5/8/2008 Finish: N/A	\$0.00
<b>Professional Development Activity Information</b>		
<b>Number of Hours Per Session</b>	<b>Total Number of Sessions Per School Year</b>	<b>Estimated Number of Participants Per Year</b>
2	30	90
<b>Organization or Institution Name</b>	<b>Type of Provider</b>	<b>Provider's Department of Education Approval Status</b>
Sayre Area School District	<ul style="list-style-type: none"> <li>• School Entity</li> </ul>	Approved
<b>Knowledge and Skills</b>	<b>Research and Best Practices</b>	<b>Designed to Accomplish</b>
Teachers will learn about various technologies that the school offers, and teachers will utilize these to make their classrooms more advantageous.	Technology helps and assists teachers in being effective in the classroom.	<p><i>For classroom teachers, school counselors and education specialists:</i></p> <ul style="list-style-type: none"> <li>• Increases the educator's <u>teaching skills</u> based on research on effective practice, with attention given to interventions for struggling students.</li> <li>• Provides educators with a variety of classroom-based <u>assessment skills</u> and the skills needed to <u>analyze and use data</u> in instructional decision-making.</li> <li>• Empowers educators to work effectively with <u>parents and community partners</u>.</li> </ul> <p><i>For school and district administrators, and other educators seeking leadership roles:</i></p> <ul style="list-style-type: none"> <li>• Provides the knowledge and skills to <u>think and plan strategically</u>, ensuring that assessments, curriculum, instruction, staff professional education, teaching materials and interventions for struggling students are aligned to each other as well as to Pennsylvania's academic standards.</li> <li>• Instructs the leader in <u>managing resources</u> for effective results.</li> </ul>
<b>Educator Groups Which Will Participate in this Activity</b>		

Role	Grade Level	
<ul style="list-style-type: none"> <li>Classroom teachers</li> </ul>	<ul style="list-style-type: none"> <li>Early childhood (preK-grade 3)</li> <li>Middle (grades 6-8)</li> <li>High school (grades 9-12)</li> </ul>	
Follow-up Activities	Evaluation Methods	
<ul style="list-style-type: none"> <li>Team development and sharing of content-area lesson implementation outcomes, with involvement of administrator and/or peers</li> <li>Analysis of student work, with administrator and/or peers</li> <li>Creating lessons to meet varied student learning styles</li> <li>Peer-to-peer lesson discussions</li> </ul>	<ul style="list-style-type: none"> <li>Classroom observation focusing on factors such as planning and preparation, knowledge of content, pedagogy and standards, classroom environment, instructional delivery and professionalism.</li> <li>Student PSSA data</li> <li>Standardized student assessment data other than the PSSA</li> <li>Classroom student assessment data</li> </ul>	

**Strategy: Security**

*Description:* Continue to address current and future security needs of the district to help ensure a safe environment for our students and staff.

*Activities:*

Activity	Description	
Backup	<p>Continue to implement and refine a Continuous Backup Solution to disk and tape of all critical SASD computer data files. For example:</p> <ul style="list-style-type: none"> <li>Monday through Friday the SASD servers are backed up to disk on SASDBACKUP server — this occurs every 30 minutes (a new copy of a file if the file changes). This allows us to restore data from 30 minute checkpoints.</li> <li>Friday the SASDBACKUPS (from Disk) are backed up to Tape</li> <li>The most recent weekend backup tape is placed in the High School principals office SAFE</li> <li>We back up 20 weeks worth of weekend tapes</li> <li>We back up to 7 to 14 days' worth of disk on SASDBACKUP</li> <li>Additionally, we backup to disk on SASD9 all files from SASDETDATA (a third copy of the data — this server has all of the employee files like MS Word, etc.) and SASD8 (Rediker and GradeQuick) and SASDUTILS (IT Files, Procedures, and Software)</li> </ul>	
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A	\$0.00

	Finish: N/A	
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Activity	Description	
Computer Classroom Management	Continue to upgrade Computer Classroom Management software to ensure that the teachers can effectively manage their students while they work on their computers.	
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Student Monitoring	Continue to upgrade the Student Monitoring software so that all computer typed activity is recorded.	
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Student Picture ID		
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A Finish: N/A	\$0.00

**Strategy: Technology Refresh Cycle**

*Description:* Sayre Area School District is committed to upgrading and providing the latest technology to it's students. Sayre's current plan is replacing PC's, servers, and network equipment. A barrier is that the district can only afford to replace sections of its technology because of lack of resources (money, time, and staff). A technology needs assessment is conducted yearly to determine the needs of the district.

*Activities:*

Activity	Description	
Labs	Continue to upgrade Technology Labs to provide a state of the art learning environment for our students and staff.	
Person Responsible	Timeline for Implementation	Resources
Rick Rava	Start: N/A Finish: N/A	\$0.00

<b>Activity</b>	<b>Description</b>	
PC	Continue to replace and upgrade the PCs by annually replacing the oldest PCs with new PCs. Work to recycle obsolete PCs and reallocate older PCs to classrooms (small technology learning centers). Continue to replace old CRT monitors with LCD monitors to save on energy.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Rick Rava	Start: N/A Finish: N/A	\$186,000.00

<b>Activity</b>	<b>Description</b>	
Server	<p>Sayre plans to upgrade outdated servers leveraging server virtualization technology such as VMWare or Virtual Iron. The virtualization technology will allow for fewer physical servers but more virtual servers (reducing electric and support costs).</p> <p>There are many advantages with this solution including but not limited to:</p> <ol style="list-style-type: none"> <li>1. Maintainability: SASD has greatly expanded the available technology to our students, teachers, and staff. Virtual Server Technology will allow the technology department to better manage and support the technology using the maintenance benefits of Virtual Server Technology.</li> <li>2. Energy savings (for example, instead of having 8 physical servers ? only needing 2 physical servers and Virtual Server Technology to create virtual servers).</li> <li>3. System rollout efficiencies: To roll out a new server with the old technology takes at least 1 day to configure / build the server. With Virtual Server Technology new servers can be built in a few minutes.</li> <li>4. Testing: With the old server technology, testing of servers requires an identical setup on identical hardware (which is costly and we do not have the luxury of purchasing testing server). With Virtual Server Technology, we can quickly create another server and test.</li> <li>5. Reliability: With the old server technology, if a server fails, we need to wait for parts or a replacement of that unit. With Virtual Server Technology's iMotion technology, a failed server rolls over to another Virtual Server Technology server with no down time.</li> <li>6. Backup / Disaster Recovery: Since Virtual Server Technology is not tied to a specific hardware, if a disaster occurred — the servers can be quickly recreated at another site.</li> <li>7. Optimal Server Setup: Applications running on servers run best when they are the only application on that server. Virtual Server Technology allows SASD to segment the servers to the specific applications.</li> </ol>	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Rick Rava	Start: N/A Finish: N/A	\$33,000.00

<b>Activity</b>	<b>Description</b>
Software	Sayre will continue to leverage licensing reductions (due to existing licenses and

Refresh	<p>licenses from our Classroom for the Future Grant) — so that we may purchase a district wide site license. Software is currently available on only pockets of PCs due to lack of licenses. The following 2 examples illustrate some of the software that can result in cost savings.</p> <p>Inspiration® for grades 6 to 12 The essential tool to visualize, think, organize and learn Powered by the proven strategies of visual learning, Inspiration supports improved achievement for secondary students and adults. Inspiration strengthens critical thinking, comprehension and writing across the curriculum.</p> <p>Kidspiration® for grades K to 5 The visual way to think, write and comprehend Kidspiration provides an easy way for primary students to build visual diagrams to represent thoughts and organize information. With Kidspiration, students learn to express their thoughts, organize their ideas for writing and improve comprehension.</p>	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Rick Rava	Start: N/A Finish: N/A	\$96,000.00

**Strategy: Technology Standards**

*Description:* We successfully standardized on Windows XP Professional on the PC desktop. We successfully standardized our servers on Windows 2003 Server. We migrated to a to a Windows only server network (from a mixed Novell / Windows environment). We successfully standardized our main desktop application suite on Office 2003.

*Activities:*

<b>Activity</b>	<b>Description</b>	
Desktop Standards	Continue to develop annual desktop software standards utilizing the latest software. For example, upgrade our classroom management software to the latest version of Geneva Logic's Vision and build a computer image that standardizes the software.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Rick Rava	Start: N/A Finish: N/A	\$0.00

<b>Activity</b>	<b>Description</b>	
Inventory and Naming	Continue to develop standards for our technology naming conventions and work to keep our technology inventory up to date.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Rick Rava	Start: N/A Finish: N/A	\$0.00

<b>Activity</b>	<b>Description</b>	
MS Office Upgrades	We will continue to offer the latest version of MS Office. We will include inservice training for staff and updating of student course materials.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Rick Rava	Start: N/A Finish: N/A	\$0.00

**Strategy: Wide Area Network (WAN)**

*Description:*

*Activities:*

<b>Activity</b>	<b>Description</b>	
Media Rich Content and Internet Access	Continue to leverage the high bandwidth capabilities of the WAN to deliver media rich content and internet resources.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Rick Rava	Start: N/A Finish: N/A	\$0.00

**Staff Development**

The report must include professional development to ensure that staff appropriately utilizes technology to improve education.

What are the specific resources, strategies and activities that you plan to implement to ensure that all of your staff is ready to use and maintain technology?

- The district will leverage internal and external resources to implement staff technology training. Some of the currently used methods are staff training during in-service days, external training through college courses, onsite and offsite training through BLaST IU17, Classrooms for the Future workshops and much more.

Who will be in charge of facilitating the professional development activities?

- The District’s Superintendent and the Director of Information Technology will be in charge of facilitating the professional development activities with respect to educational technology.

Are there in-service slots set aside for technology-related professional development?

- Yes — our district’s in-service days have slots set aside for technology-related professional development.

Will the professional development be required for all that use it, or is it optional? If optional, what incentives exist to encourage teachers to pick up these new skills?

- During our in-service days, the training is required. For other initiatives, it may or may not be required (ex. Classrooms for the Future).

What models of professional development would work in your organization to train your staff?

- **Individually Guided Development:** In this case, the teacher designs his or her learning activities.
- **Observation:** The teacher observes another teacher teach using technology.
- **Team Teaching:** 2 or more teachers work together and share their training methods with respect to technology.
- **Training:** Onsite and offsite training (ex. Onsite training provided during in-service days).
- **Inquiry:** Teachers formulate questions about how they currently teach and pursue answers leveraging educational technology.

Do you have the resources in house to train these staff members or do they need to go to outside providers, or a combination of the two?

- Our district leverages a combination of internal and external staff development resources.

What financial and time resources exist to keep the staff up to date in learning about new technologies?

- Scheduled in-service days and special training sessions during tutorials or special scheduled times. Currently, the district also has scheduled time for all Classroom for the Future teachers to participate in educational technology training.

What professional development opportunities are available from outside sources (such as service providers, courses at institutions of higher education, conferences, courses delivered via distance learning or over the Internet; courses sponsored by your state education or library agency)?

- A wide variety of opportunities exist for our district from outside sources including but not limited to IU17, PETE&C, Wilkes University, and much more.

What professional development opportunities and resources exist for your professional staff (i.e., teachers or librarians) to ensure that they can not only use the new technologies, but to use them to deliver improved teaching and learning or improved library services?

- Training during our in-service days is focused on technology that can be used to improve teaching and learning. Currently we leverage internal and external training that shows teachers how to teach with new technology. Our Classroom for the Future project includes “embedded learning” training that focuses on specifically changing the way teachers teach.

What classes or seminars are available to your staff on an ongoing basis within your organization?

- Currently we have scheduled onsite training during our in-service days. All other training is special scheduling specific to groups of employees (onsite or external training).

Can your staff meet with others who are already further along in implementing technology in another school or library?

- Yes, our staff has and will continue to make site visits to other schools to see how they are utilizing technology.

What professional development is available from service providers?

- Our technology vendors provide onsite and external training for many of their products. Many of the vendors offer internet based training that can be used when the staff has time to participate (ex. Webinars).

What professional development opportunities are available from outside sources (such as service providers, courses at institutions of higher education, conferences, courses delivered via distance learning or over the Internet; courses sponsored by your state education or library agency)?

- A wide variety of opportunities including formal college classes, internet classes, seminars, UI17 courses, and much more.

## Budget

### Summary: Potential Funding Distribution

Funding Source	2009-2010	2010-2011	2011-2012	Total
010 - ADMINISTRATIVE BUDGET	\$104,400.00	\$109,400.00	\$114,400.00	\$328,200.00
<b>TOTAL</b>	<b>\$104,400.00</b>	<b>\$109,400.00</b>	<b>\$114,400.00</b>	<b>\$328,200.00</b>

### Goal: Communications

To continue to increase communications/responsiveness/sensitivity in all aspects of district operations

Parent Communications	2009-2010	2010-2011	2011-2012	Total	Funding Source
ParentLink	\$3,400.00	\$3,400.00	\$3,400.00	\$10,200.00	010 - ADMINISTRATIVE BUDGET

Promote and Market District	2009-2010	2010-2011	2011-2012	Total	Funding Source
District Events Calendar	\$1,000.00	\$1,000.00	\$1,000.00	\$3,000.00	010 - ADMINISTRATIVE BUDGET

<b>TOTAL</b>	<b>\$4,400.00</b>	<b>\$4,400.00</b>	<b>\$4,400.00</b>	<b>\$13,200.00</b>	
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### Goal: Technology Integration

Fully integrate technology into both the instruction and operation areas of the Sayre Area School District.

Technology Refresh Cycle	2009-2010	2010-2011	2011-2012	Total	Funding Source
PC	\$60,000.00	\$62,000.00	\$64,000.00	\$186,000.00	010 - ADMINISTRATIVE BUDGET
Server	\$10,000.00	\$11,000.00	\$12,000.00	\$33,000.00	010 - ADMINISTRATIVE

					BUDGET
Software Refresh	\$30,000.00	\$32,000.00	\$34,000.00	\$96,000.00	010 - ADMINISTRATIVE BUDGET

<b>TOTAL</b>	<b>\$100,000.00</b>	<b>\$105,000.00</b>	<b>\$110,000.00</b>	<b>\$315,000.00</b>	
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<b>GRAND TOTAL</b>	<b>\$104,400.00</b>	<b>\$109,400.00</b>	<b>\$114,400.00</b>	<b>\$328,200.00</b>	
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## Monitoring

Who will be responsible for monitoring activities?

- The district's Director of Technology will be responsible for monitoring the eStrategic Plan Technology activities.

How will activities be monitored? And how often?

- The activities will be monitored by the Director of Technology. The status of the activities will be reviewed by the District's Technology Committee on a monthly basis during the school year.

How will you determine technology integration is occurring appropriately? (e.g. is technology used regularly to enrich curriculum?, is the technology used right for the task?)

- Observation of teachers teaching with technology. Many different observation tools are available including but not limited to electronic lab calendars, amount of materials in electronic format (folders), online Wikis, and much more.

How will you determine technology implementation is appropriate for your identified needs?

- We will continue to utilize technology needs assessments to ensure the technology meets that needs of the teachers, students, and staff.

## Evaluation

Evaluation of the Strategies will take place once the eStrategic Plan is approved and operational.