
Pennsylvania Department of Education



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF EDUCATION
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HARRISBURG, PA 17126-0333

Educational Technology Plan

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Entity: North Schuylkill SD

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Core Purpose

Mission

The North Schuylkill School District will provide all students a rigorous, meaningful and relevant education which will prepare them to thrive in the 21st Century global community, whether they go on to college or career preparation or the workplace.

Vision

The District's vision is aligned with supporting the Pennsylvania Department of Education's State Learning Standards in various disciplines. It is our main objective to prepare our students to compete successfully for admission to higher education institutions, to enable them to secure employment and succeed in the global marketplace, and to demonstrate the skills, attitudes, and ethics which allow them to become lifelong learners. Through our research we have identified six key elements which will drive the North Schuylkill educational program in the 21st Century:

Mastering Core Subjects: The No Child Left Behind Act of 2001, which reauthorizes the Elementary and Secondary Act of 1965, identifies the core subjects as English, reading or language arts, mathematics, science, foreign languages, civics, government, economics, arts, history and geography. North Schuylkill's students will master the core subjects by using learning and thinking skills, making their education truly rigorous.

Mastering 21st Century Content: We believe several significant emerging content areas are critical to success in communities and workplaces. North Schuylkill's students will master 21st Century content that is relevant in the world today. These content areas are:

Global awareness

Financial, economic business and entrepreneurial literacy

Civic literacy

Health and wellness awareness

Mastering Learning and Thinking Skills: As much as students need to learn academic content, we believe they also need to know how to keep learning- and make effective and innovative use of what they know- throughout their lives. North Schuylkill's students will develop learning and thinking skills comprised of:

Critical thinking and problem-solving skills

Communication skills

Creativity and innovation skills

Collaboration skills

Contextual learning skills

Information and media literacy skills Creativity and innovation skills

Team building skills

Acquiring ICT Literacy: Information and communications technology (ICT) literacy is the ability to use technology to develop 21st century content knowledge and skills, in the context of learning core subjects. North Schuylkill's students will use technology to learn content and skills- so that they know how to learn, think critically, solve problems, use information, communicate, innovate and collaborate.

Mastering Life Skills: Good teachers have always incorporated life skills into their pedagogy. The North Schuylkill School District will incorporate these essential life skills into our schools deliberately, strategically and broadly:

Leadership

Ethics
Accountability
Adaptability
Personal productivity
Personal responsibility
People skills
Self-direction
Social responsibility

21st Century Assessments: Assessments must measure core subjects, 21st Century content, learning and thinking skills, ICT literacy and life skills. A balance of assessments, including high-quality standardized testing, along with effective classroom assessments, will offer North Schuylkill's students a powerful way to master the content and skills central to success in meeting real-world challenges.

The North Schuylkill School District will incorporate all six elements into our curriculum, thus providing our students a rigorous, meaningful and relevant education. Every North Schuylkill graduate will be prepared to thrive in the 21st Century, whether they go on to college or career preparation or the workplace.

Shared Values

- Our students are our purpose.
- Our district focuses on our students and recognizes that each person has the ability to learn.
- Our students are entitled to a safe, caring, learning environment.
- All students want to succeed in some way and want to feel good about themselves.
- All students should have the opportunity to learn using the most current material and technology available, in order to compete with the rest of the world.
- All students should be encouraged to discuss their ideas and the ideas of others in the classroom instead of just rote memorization of facts.
- The advancement of society depends on the development of individual talents, and that each student should be given the opportunity and resources to develop his/her talents to the utmost of their potential.
- Our learning environment develops values of service, pride, excellence, and integrity.
- Our students are encouraged to contribute to the community.
- Our district strives for pride, excellence, and integrity.
- Our heritage provides a foundation for good citizenship.
- The role of all in the school community is to work cooperatively to support the needs of the students.
- The family is the foundation for a successful community.
- Education of our youth is the shared responsibility of everyone: the home, the school, and the community.
- Each individual is important and entitled to respect, understanding and appreciation of his/her uniqueness.
- Each person is responsible for his/her own actions.

Needs Assessment

Document uploaded to required documents.

Goals and Strategies

Goal: 21st Century Learners

Description: All students will learn technology skills and practice ethical use of technologies to become more productive and efficient learners in preparation for the 21st Century workplace which will then empower them to become collaborative workers, thinkers, and evaluators of information and to expand learning opportunities that promotes student and teacher creativity and critical thinking.

Strategy: Student Technology Assessments

Description: Student technology skills assessments will be developed and utilized to determine the success of the integrated technology lesson plans, as well as assessing individual student's skills.

Educational Practices: Continuous Learning Ethic, Quality Teaching

Activity	Description	Evaluation Procedure
Assessment Tools	An assessment tool will be purchased and implemented to record student technology skill progress levels. The tool will be web-based tools and will include features such as detailed rubrics and online grade reports for evaluating and giving students feedback on progress, such as academic content mastery; critical thinking, presentation, communication and collaboration skills; and work ethic and effort.	Integrated technology lesson plans will be reviewed and adopted as part of each curriculum by reach respective curriculum committee on an annual basis. Lesson plans will be evaluated to ensure they are meeting Pennsylvania State Academic Standards.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2008-2009, ongoing	\$1000.00

Activity	Description	Evaluation Procedure
Learning Outcome	Students will be assessed on eight learning outcomes-curricular literacy (content standards), collaboration, critical thinking, oral communication, written communication, career preparation, citizenship and ethics, and technology literacy.	Evaluation Procedure: Integrated technology lesson plans will be reviewed and adopted as part of each curriculum by reach respective curriculum committee on an annual basis. Lesson plans will be evaluated to ensure they are meeting Pennsylvania State Academic Standards.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2008-2009, ongoing	\$0.00

Goal: District Technology Planning

Description: Administrators will review existing district support technologies and keep them current with prevailing K-12 technology standards.

Strategy: District Technology Meeting

Description: The school board and administrative team will be kept current as to the status of

technology used in the district.

Educational Practices: Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Inventory Control	Technology coordinators will maintain up-to-date inventory of hardware and software and report as needed to appropriate administrators and/or school board.	District technology coordinators will administer annual district-wide surveys to assess current technology needs for hardware, software and student use. Needs will also be assessed through informal internal communication means including observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Meet with School Board	The district technology coordinators will meet annually with the school board to present the district's current technology status and to make recommendations for future improvements.	District technology coordinators will administer annual district-wide surveys to assess current technology needs for hardware, software and student use. Needs will also be assessed through informal internal communication means including observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Tech Coordinators Meeting	Administrators and other district technology leaders, including Tech Lead teachers, will meet and discuss annual technology goals.	District technology coordinators will administer annual district-wide surveys to assess current technology needs for hardware, software and student use. Needs will also be assessed through informal internal communication means including observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Strategy: Technology Maintenance Plan

Description: Develop a hardware and software evaluation procedures and make increased of online communication tools such as online repair forms and surveys to support both operational and educational needs of the district.

Educational Practices: Artful Use of Infrastructure

Activity	Description	Evaluation Procedure
Increase IT	During the course of this six-year plan the	District technology coordinators will

Staff	district's curriculum and technology initiatives will be supported by the following positions: Supervisor of Curriculum, Technology & Federal Programs, Coordinator of Computer Services and Technology, Technician, SIS manager, and Tech Lead Teachers. Eight tech lead teachers will be utilized in the junior senior high school building, eight in the elementary building, and one in Ringtown Elementary. They will assist colleagues in the use of district-wide software and/or hardware technology initiatives.	administer annual district-wide surveys to assess the effectiveness of technical support services. The effectiveness of the level of support will be gauged by the level of technology integration into NSSD's curriculum and the technical proficiency demonstrated by students and staff as determined by observation and formal assessment. Sufficient levels of support will also be assessed through informal internal communication means including casual observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$374,000.00

Strategy: Technology Policies

Description: Technology policies will be established and reviewed in a regular basis.

Educational Practices: Continuous Learning Ethic, Quality Leadership

Activity	Description	Evaluation Procedure
Acceptable Use Policy	The district's Acceptable Use Policy will be reviewed annually and updated as necessary.	Administration and/or other Technology Coordinators will meet on an annual basis to review existing policy and determine if any changes are needed.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Home Loan Policies	Hardware and software policies for staff and students will be reviewed and updated.	Administration and/or other Technology Coordinators will meet on an annual basis to review existing policy and determine if any changes are needed.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Remote Access Policies	A policy for remote access of the district WAN and use of its software will be developed and updated as needed.	Administration and/or other Technology Coordinators will meet on an annual basis to review existing policy and determine if any changes are needed.
Person	Timeline for Implementation	Resources

Responsible		
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Goal: Implement Technology-Based Lesson Plans

Description: Educators will improve their technology skills to enrich the teaching process, learning environment and curriculum by implementing technology-based lesson plans to meet state standards for all students.

Strategy: Teacher Train-the-Teacher Model

Description: The technology coordinator and tech lead teachers will team teach and/or mentor the teachers in their assigned group when necessary to assist or model the delivery of technology-based lessons.

Educational Practices: Artful Use of Infrastructure, Continuous Learning Ethic, Quality Leadership, Quality Teaching

Strategy: Tech Lesson Plans

Description: Technology lesson plans will be reviewed and revised and new lessons will be developed to integrate technology skills into all areas of the curriculum.

Educational Practices: Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Sharing and Collaboration	Technology lesson plans will be shared on the school district website. Subscriptions to services such as Netrekker will be maintained in order to facilitate the development of technology-based lessons.	District technology coordinators will administer annual district-wide surveys to assess current technology needs for hardware, software and student use. Administrative observations of professional staff will be used to assess staff technology skills and their use of technology in the delivery of curricula.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Tech Lessons	All teachers will be required to teach at least one technology-based lesson per marking period.	District technology coordinators will administer annual district-wide surveys to assess current technology needs for hardware, software and student use. Administrative observations of professional staff will be used to assess staff technology skills and their use of technology in the delivery of curricula.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Goal: Innovative Technologies

Description: Innovative technologies will be used to assist staff and students to meet district educational goals.

Strategy: Audio-Visual

Description: Audio-visual equipment will be maintained and updated.

Educational Practices: Artful Use of Infrastructure

Activity	Description	Evaluation Procedure
Content delivery	Services for cable television and ISDN will be maintained unless other technologies allow the same content to be delivered more reliably and/or affordably.	District technology coordinators will administer annual district-wide surveys to assess current technology needs for hardware, software and student use. Needs will also be assessed through informal internal communication means including observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$17,500.00

Activity	Description	Evaluation Procedure
Equipment upgrades & replacement	Televisions/monitors, dvd/vhs players, lcd projectors, overhead projectors, and audio equipment will be upgraded as needed.	District technology coordinators will administer annual district-wide surveys to assess current technology needs for hardware, software and student use. Needs will also be assessed through informal internal communication means including observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$12,000.00

Strategy: Closed-Circuit Television

Description: A closed-circuit television system will be installed in the new elementary school. Existing CATV cabling in the junior/senior high school will be used to return closed-circuit television technology there.

Educational Practices: Artful Use of Infrastructure

Activity	Description	Evaluation Procedure
Digital Equipment	Digital video cameras and equipment, including modulators, will be purchased.	District technology coordinators will administer annual district-wide surveys to assess current technology needs for hardware, software and student use. Needs will also be assessed through informal internal communication means including observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$8,500.00

Activity	Description	Evaluation Procedure
Editing Equipment	Digital video and audio editing equipment and software will be purchased.	District technology coordinators will administer annual district-wide surveys to assess current technology needs for hardware, software and student use. Needs will also be assessed through informal internal communication means including observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$6,500.00

Strategy: Distance Learning

Description: Distance learning opportunities will be available as part of North Schuylkill's curriculum and professional development plan.

Educational Practices: Artful Use of Infrastructure, Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Distance Learning Opportunities	Opportunities for distance learning courses, electronic field trips, and professional development will be maintained or established for use by students, staff and community groups.	District technology coordinators will administer annual district-wide surveys to assess current technology needs for hardware, software and student use. Professional Development needs assessments will be administered. Needs will also be determined through professional staff and curriculum meetings and through informal internal communication means including observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$11,100.00

Activity	Description	Evaluation Procedure
Hardware	Distance learning hardware will be updated as needed.	The need for additional technologies will be monitored and determined by the technology staff on an as-needed basis, and procured through the appropriate budget.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$12,000.00

Goal: Technology Training and Leadership

Description: Strategy Description: Technology training opportunities for all professional staff will be offered and conducted by the technology coordinator, tech lead teachers and outside resources.

Strategy: Leadership and Modeling

Description: Administrators will use and model the use of technology during the performance of

their respective duties.

Educational Practices: Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Administrative Technology Training	District administrators will be provided training needed to efficiently utilize current hardware and software in the performance of their job duties.	Administration and/or other district technology coordinators will meet annually to assess current technology needs for hardware and software use. Informal, internal communication including casual conversations and other daily feedback will be used as will needs assessment surveys.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$3,000.00

Activity	Description	Evaluation Procedure
Administrative Technology Tools	All administrators will be equipped with updated hardware and software to use and model in the performance of their job responsibilities.	Administration and/or other district technology coordinators will meet annually to assess current technology needs for hardware and software use. Informal, internal communication including casual conversations and other daily feedback will be used as will needs assessment surveys.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$6,000.00

Activity	Description	Evaluation Procedure
Technology-related Professional Development	Administrators will attend technology-related professional conferences and workshops.	Administration and/or other district technology coordinators will meet annually to assess current technology needs for hardware and software use. Informal, internal communication including casual conversations and other daily feedback will be used as will needs assessment surveys.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$6,000.00

Strategy: Staff Needs Assessments

Description: Professional staff needs assessments for technology training will be conducted during the school year.

Educational Practices: Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Tech Leaders To Monitor and	District tech lead teachers and administrators, including the	District technology coordinators will administer annual surveys to professional teaching staff to

Assess	technology coordinator, will monitor and assess the need for technology training for professional teaching staff.	assess the current technology needs for hardware, software, and student use. Regular professional administrative observations will be used to assess staff technology skills and to support and encourage teaching methods which utilize technology.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Web-Based Tech Surveys	Web-based technology training needs assessment surveys will be developed. The surveys will be accessed through links found on the school district web page.	District technology coordinators will administer annual surveys to professional teaching staff to assess the current technology needs for hardware, software, and student use. Regular professional administrative observations will be used to assess staff technology skills and to support and encourage teaching methods which utilize technology.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$1,200.00

Strategy: Technology Training and Support

Description: Technology training opportunities for all professional staff will be offered and conducted by the technology coordinator, tech lead teachers and outside resources.

Educational Practices: Artful Use of Infrastructure, Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Scheduling Tech Training Time	Time will be provided within the teaching schedules of the professional staff to learn and practice necessary technology skills.	District technology coordinators will administer annual surveys to professional teaching staff to assess the current technology needs for hardware, software, and student use. Regular professional administrative observations will be used to assess staff technology skills and to support and encourage teaching methods which utilize technology.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Tech Lead Teachers	Tech Lead Teachers will be paid an annual stipend to provide technology training,	District technology coordinators will administer annual district-wide surveys to assess the effectiveness of technical support services. The effectiveness of the

	troubleshooting and mentoring.	level of support will be gauged by the level of technology integration into NSSD's curriculum and the technical proficiency demonstrated by students and staff as determined by observation and formal assessment. Sufficient levels of support will also be assessed through informal internal communication means including casual observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$51,000.00

Strategy: Technology Training Professional Development

Description: Time will be provided to the professional teaching staff to learn and practice necessary technology skills.

Educational Practices: Continuous Learning Ethic, Quality Teaching

Activity	Description	Evaluation Procedure
In-Service Training	The district will devote at least one in-service day each school year for technology training and professional development related to technology.	District technology coordinators will administer annual district-wide surveys to assess the effectiveness of technical support services. The effectiveness of the level of support will be gauged by the level of technology integration into NSSD's curriculum and the technical proficiency demonstrated by students and staff as determined by observation and formal assessment. Sufficient levels of support will also be assessed through informal internal communication means including casual observation and daily conversations.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$18,000.00

Activity	Description	Evaluation Procedure
Online Professional Development	Online professional development opportunities offered through the Pennsylvania Department of Education, Schuylkill IU 29 and other providers will be pursued.	Professional development needs assessments and evaluation surveys will be administered to all staff.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
School-Based Training	Evening, weekend and summer technology training sessions will be offered by the technology coordinator, tech lead teachers and	Professional development needs assessments and evaluation surveys will be

	all providers qualified to offer such training.	administered to all staff.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$3,000.00

Activity	Description	Evaluation Procedure
Tech Conferences and Workshops	Technology coordinators, lead teachers and other professional staff will be provided the opportunity to attend conferences, workshops, and meetings pertaining to technology.	Professional development needs assessments and evaluation surveys will be administered to all staff.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$5,250.00

Goal: Use Technology to Allow Students to Master Skills Needed For Success in the 21st Century

Description: All students will be provided technology access and opportunities to acquire the technology skills mandated by the PA Academic Standards.

Strategy: Maintain and Update Technology Resources

Description: The North Schuylkill School District will maintain and update hardware as needed.

Educational Practices: Artful Use of Infrastructure, Quality Leadership

Activity	Description	Evaluation Procedure
Hardware and Equipment	Additional miscellaneous hardware will be purchased including printers, scanners, science probes, student response systems, graphing calculators, portable storage devices, headsets and other equipment used to support daily instruction.	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs for hardware, software, and student use.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$60,000.00

Activity	Description	Evaluation Procedure
Home Access	The district will provide students, staff and community members with home access (through citrix) to software applications housed on district servers.	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs for hardware, software, and student use. Access from remote sites will be monitored to see how frequent this is occurring and what applications are being utilized.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$10,800.00

Activity	Description	Evaluation Procedure
Make Additional Computer Labs Available	Increase student accessibility to computers through the use of mobile laptop carts and/or the creation of an additional computer lab available where space allows, for general use by students and staff.	Student and staff perception surveys will be administered. Inventory review and comparison of prior year's equipment list.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$104,000.00

Activity	Description	Evaluation Procedure
Multimedia	Additional multimedia hardware will be purchased including projectors, interactive white boards, scanners, digital cameras and video cameras, and CATV modulators. Interactive whiteboards will be placed in each elementary classroom for the start of the 2007-2008 school year. Use of this technology will be phased in the junior senior high school.	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs for hardware, software, and student use.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$564,000.00

Activity	Description	Evaluation Procedure
New Computers and Thin Client Devices	Additional desktop, laptop and thin client computers will be purchased to facilitate the integration of technology into the classroom.	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs for hardware, software, and student use.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$460,000.00

Activity	Description	Evaluation Procedure
Use of Thin Client Technology	Legacy equipment (aging computers running Windows 98 and later and Apple computers) will be converted to thin client devices capable of running the latest software. This will enable the district to keep these student workstations in service. This combined with future computer and thin client purchases will allow the district to increase the number of available workstations. Thin clients require less maintenance and will lower the district's technology cost of ownership.	Increase in the number of thin client workstations.

Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2008-2009, ongoing	\$50,000.00

Strategy: Maintain and Upgrade Software

Description: The district will maintain and update software licensing and/or purchase new software as needed.

Educational Practices: Artful Use of Infrastructure, Quality Leadership

Activity	Description	Evaluation Procedure
Home Access	The district will purchase software and necessary hardware needed to allow students home access to school-based software applications.	Software is purchased and a link which facilitates remote access is posted on the district website.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$14,000.00

Activity	Description	Evaluation Procedure
Online Subscriptions	Subscriptions to web-based services (i.e. Study Island) which support North Schuylkill's curriculum will be explored.	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs for hardware, software, and student use.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$216,000.00

Activity	Description	Evaluation Procedure
Open Source Software	Subscriptions to open source software which supports North Schuylkill's curricula will be explored.	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs for hardware, software, and student use.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Productivity and Multimedia Software	Purchase updates or new licenses for productivity and multimedia software.	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs for hardware, software, and student use.

Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$30,000.00

Activity	Description	Evaluation Procedure
Software Subscription Services	Purchase new and/or existing licenses and support contracts for integrated library system software and online subscriptions.	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs for hardware, software, and student use.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$28,500.00

Strategy: Network Infrastructure

Description: The district will maintain and upgrade the network infrastructure and internet bandwidth as needed.

Educational Practices: Artful Use of Infrastructure, Quality Leadership

Activity	Description	Evaluation Procedure
Fiber Connection	Fiber lines will connect the junior senior high school with the new elementary school scheduled to open in August 2007.	The fiber line is run the LAN of the NSE and NSJSH are connected.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Project will be completed by August 2007	\$7,000.00

Activity	Description	Evaluation Procedure
Home Access	District staff and students will be provided remote access to district resources via remote desktop, citrix and/or the school web portal.	A link which facilitates remote access is posted on the district website.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
LAN Hardware	Purchase replacement hardware and/or upgrade existing equipment including switches, cabling, routers, servers, backup devices, power supplies and miscellaneous devices.	The LAN of the JSHS will be rebuilt by July 2007. The network infrastructure will be monitored by the district's technology leaders on an ongoing basis.
Person	Timeline for Implementation	Resources

Responsible		
Paul Caputo	JSHS LAN will be rebuilt by July 2007. Maintenance of the district WAN will be ongoing.	\$225,000.00

Activity	Description	Evaluation Procedure
LAN Software	Purchase new software or updates to existing network software including support contracts for installation, upgrades and trouble-shooting.	The network's software will be monitored and upgraded, as needed, by the district's technology leaders on an ongoing basis.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$27,500.00

Activity	Description	Evaluation Procedure
Wireless VPN Connection	Ringtown Elementary will connect to the junior senior high school and new elementary school through a wireless VPN thus allowing the North Schuylkill School District to create its first WAN.	The VPN connection is operational.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	VPN will be operational by August 2007.	\$36,000.00

Strategy: Special Needs

Description: Students with special needs will be provided with specific technology tools to facilitate learning.

Educational Practices: Artful Use of Infrastructure, Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Hardware & Peripherals	Purchase hardware and peripherals needed to support the education plan of all students with special needs.	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs for hardware, software, and student use.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Software	Purchase software needed to support the education plan of all students with special learning	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs

	needs.	for hardware, software, and student use.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Goal: Use Technology to Implement Standards Based Instruction

Description: To support the implementation of standards based instruction and continual school improvement through the integration of technology into the curriculum and operational aspects of the district.

Strategy: Grades K-2 Student Technology Goals

Description: Prior to the completion of Grade 2 all students should have opportunities to demonstrate the following performances: 1. Use input devices (e.g., mouse, keyboard, remote control) and output devices (e.g., monitor, printer) to successfully operate computers, VCRs, audiotapes, and other technologies. (1) 2. Use a variety of media and technology resources for directed and independent learning activities. (1, 3) 3. Communicate about technology using developmentally appropriate and accurate terminology. (1) 4. Use developmentally appropriate multimedia resources (e.g., interactive books, educational software, elementary multimedia encyclopedias) to support learning. (1) 5. Work cooperatively and collaboratively with peers, family members, and others when using technology in the classroom. (2) 6. Demonstrate positive social and ethical behaviors when using technology. (2) 7. Practice responsible use of technology systems and software. (2) 8. Create developmentally appropriate multimedia products with support from teachers, family members, or student partners. (3) 9. Use technology resources (e.g., puzzles, logical thinking programs, writing tools, digital cameras, drawing tools) for problem solving, communication, and illustration of thoughts, ideas, and stories. (3, 4, 5, 6) 10. Gather information and communicate with others using telecommunications, with support from teachers, family members, or student partners. (4) Numbers in parentheses following each performance indicator refer to the standards category to which the performance is linked. The categories are: 1. Basic operations and concepts 2. Social, ethical, and human issues 3. Technology productivity tools 4. Technology communications tools 5. Technology research tools 6. Technology problem-solving and decision-making tools

Educational Practices: Artful Use of Infrastructure, Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Kindergarten	Identify the physical components of a computer system (monitor, keyboard, etc.) Demonstrate the ability to turn on and off a computer Demonstrate the ability to launch and exit software Locate and use letters, numbers, and special keys on a keyboard Demonstrate appropriate mouse manipulation Place the cursor at a specified location Demonstrate the ability to use a mouse to select words Demonstrate the ability to type words and numbers	Students will achieve proficiency in assessments designed to measure technical prowess. Improved student academic achievement. Increased student use of technology to complete assignments.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
First Grade	Identify basic word processing terms. Identify the various punctuation marks and symbols on the keyboard. Locate and use appropriate letters, numbers, and special keys on a keyboard. Demonstrate the ability to open and create a new document. Demonstrate the ability to use the space bar to separate words. Demonstrate the ability to input text and use word wrap features. Demonstrate the ability to delete text (backspace and delete keys). Demonstrate the ability to insert letters in a word. Demonstrate the ability to use the shift key and special characters. Demonstrate the ability to use the MENU BAR and make appropriate selections. Demonstrate the ability to save a document (SAVE and SAVE AS). Demonstrate the ability to launch, run and exit appropriate programs.	Students will achieve proficiency in assessments designed to measure technical prowess. Improved student academic achievement. Increased student use of technology to complete assignments.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Second Grade	Demonstrate the ability to retrieve an existing document. Demonstrate the ability to change font styles and sizes. Demonstrate the ability to use the undo feature. Demonstrate the ability to align text (right, left, center). Demonstrate the ability to preview a document.. Demonstrate the ability to insert clip art. Demonstrate the ability to change the size and relocate a graphic. Demonstrate the ability to draw lines and create shapes. Demonstrate the ability to save a document (SAVE and SAVE AS). Create and print a simple project. .Demonstrate the ability to launch, run and exit appropriate programs. Demonstrate the ability to access the Internet using a browser. Access and navigate sites using hyperlinks. Access and navigate sites using the BACK, FORWARD, & HOME icons.	Students will achieve proficiency in assessments designed to measure technical prowess. Improved student academic achievement. Increased student use of technology to complete assignments.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Strategy: Grades 3-6 Technology Goals

Description: Prior to the completion of Grade 6 all students should have opportunities to demonstrate the following performances: 1. Use keyboards and other common input and output

devices (including adaptive devices when necessary) efficiently and effectively. (1) 2. Discuss common uses of technology in daily life and the advantages and disadvantages those uses provide. (1, 2) 3. Discuss basic issues related to responsible use of technology and information and describe personal consequences of inappropriate use. (2) 4. Use general purpose productivity tools and peripherals to support personal productivity, remediate skill deficits, and facilitate learning throughout the curriculum. (3) 5. Use technology tools (e.g., multimedia authoring, presentation, Web tools, digital cameras, scanners) for individual and collaborative writing, communication, and publishing activities to create knowledge products for audiences inside and outside the classroom. (3, 4) 6. Use telecommunications efficiently and effectively to access remote information, communicate with others in support of direct and independent learning, and pursue personal interests. (4) 7. Use telecommunications and online resources (e.g., e-mail, online discussions, Web environments) to participate in collaborative problem-solving activities for the purpose of developing solutions or products for audiences inside and outside the classroom. (4, 5) 8. Use technology resources (e.g., calculators, data collection probes, videos, educational software) for problem solving, self-directed learning, and extended learning activities. (5, 6) 9. Determine when technology is useful and select the appropriate tool(s) and technology resources to address a variety of tasks and problems. (5, 6) 10. Evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources. (6) Numbers in parentheses following each performance indicator refer to the standards category to which the performance is linked. The categories are: 1. Basic operations and concepts 2. Social, ethical, and human issues 3. Technology productivity tools 4. Technology communications tools 5. Technology research tools 6. Technology problem-solving and decision-making tools

Educational Practices: Artful Use of Infrastructure, Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Third Grade	Demonstrate appropriate home row keyboarding technique. Demonstrate the use of the tab key. Demonstrate the ability to set and modify line spacing Demonstrate the ability to use various SELECT and SELECT ALL features. Demonstrate the ability to use the spelling and grammar checker Demonstrate the ability to use the thesaurus and spell checker. Demonstrate the ability to close and reveal various toolbars Demonstrate the ability to modify information within a document. Demonstrate the ability to modify colors. Demonstrate the ability to draw lines and shapes.	Students will achieve proficiency in assessments designed to measure technical prowess. Improved student academic achievement. Increased student use of technology to complete assignments.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Fourth Grade	Demonstrate appropriate keyboarding techniques Demonstrate the ability to use SHIFT key combinations Demonstrate the ability to create columns Demonstrate the ability to use short cut keys for various commands Demonstrate the ability to set margins Demonstrate the ability to	Students will achieve proficiency in assessments designed to measure technical prowess. Improved student academic achievement. Increased student use of

	use WordArt Demonstrate the ability to align objects within a document. Demonstrate the ability to edit projects Demonstrate the ability to use the menu bar to change font attributes Demonstrate the ability to change colors. Demonstrate the ability to modify font size and style Demonstrate the ability to use the copy, paste, and cut functions Demonstrate the ability to drag text to a new location Demonstrate the ability to center a title Demonstrate the ability to use the alignment functions (center, right, left)	technology to complete assignments.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Fifth Grade	Demonstrate keyboarding skills using appropriate techniques Demonstrate the ability to insert headers and footers Demonstrate the ability to search and replace text Demonstrate the ability to change the case of text Demonstrate the ability to adjust margins Demonstrate the ability to insert page numbers in a document. Demonstrate the ability to create a numbered list Demonstrate the ability to add and move the shapes behind and in front of text. Demonstrate the ability to insert clip art from a file or the Internet Demonstrate the ability to use various search techniques Identify and use various search engines Using the Internet, demonstrate the ability to research data to solve problems. Demonstrate the ability to insert a chart and a table Demonstrate the ability to find specific information Demonstrate their understanding of the Acceptable Use Policy (AUP) Explain the differences between non-networked and networked computers.	Students will achieve proficiency in assessments designed to measure technical prowess. Improved student academic achievement. Increased student use of technology to complete assignments.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Sixth Grade	Demonstrate keyboarding skills using appropriate techniques Demonstrate the ability to insert a chart Demonstrate the ability to import an object from a file Demonstrate the ability to insert a table Demonstrate the ability to create a publication using a blank form Demonstrate the ability to access book marked sites Demonstrate the ability	Students will achieve proficiency in assessments designed to measure technical prowess. Improved student academic achievement. Increased student use of technology to complete

	to forward and reply to messages Using the Internet, demonstrate the ability to research data to solve a given problem. Develop a multimedia presentation for a specific class project and present it to a group	assignments.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Strategy: Grades 7-12 Technology Goals

Description: All students should have opportunities to demonstrate the following performances. Prior to completion of Grade 12 students will: 1. Identify capabilities and limitations of contemporary and emerging technology resources and assess the potential of these systems and services to address personal, lifelong learning, and workplace needs. (2) 2. Make informed choices among technology systems, resources, and services. (1, 2) 3. Analyze advantages and disadvantages of widespread use and reliance on technology in the workplace and in society as a whole. (2) 4. Demonstrate and advocate for legal and ethical behaviors among peers, family, and community regarding the use of technology and information. (2) 5. Use technology tools and resources for managing and communicating personal/professional information (e.g., finances, schedules, addresses, purchases, correspondence). (3, 4) 6. Evaluate technology-based options, including distance and distributed education, for lifelong learning. (5) 7. Routinely and efficiently use online information resources to meet needs for collaboration, research, publication, communication, and productivity. (4, 5, 6) 8. Select and apply technology tools for research, information analysis, problem solving, and decision making in content learning. (4, 5) 9. Investigate and apply expert systems, intelligent agents, and simulations in real-world situations. (3, 5, 6) 10. Collaborate with peers, experts, and others to contribute to a content-related knowledge base by using technology to compile, synthesize, produce, and disseminate information, models, and other creative works. (4, 5, 6) Numbers in parentheses following each performance indicator refer to the standards category to which the performance is linked. The categories are: 1. Basic operations and concepts 2. Social, ethical, and human issues 3. Technology productivity tools 4. Technology communications tools 5. Technology research tools 6. Technology problem-solving and decision-making tools

Educational Practices: Artful Use of Infrastructure, Continuous Learning Ethic, Quality Leadership, Quality Teaching

Strategy: Use Technology to Support the K-12 Curriculum

Description: Technology which supports the K-12 curriculum will be implemented, maintained and updated as needed.

Educational Practices: Artful Use of Infrastructure, Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Assessment and Reform	Technology will be used to align curriculum to Pennsylvania's Academic Standards, to analyze local and state assessments, and to make necessary adjustments when data analysis reveals weakness or gaps in the K-12 curriculum.	Students will achieve proficiency in assessments designed to measure technical prowess. Improved student academic achievement. Increased student use of technology to complete assignments.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
Curriculum Revision	Technology equipment additions for instructional use, which lead to curriculum revision (i.e. introducing new equipment such as a CNC lathe in technology education courses), will be approved by the appropriate supervisor, department, or any future-established district curriculum council. Proposed technology budgetary items will be reviewed annually.	This will be monitored by the district's technology leaders, Curriculum Council, department heads, and building administrators.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Goal: Use Technology to Improve Communication and Increase Efficiency

Description: All educators will effectively use technology to improve communication with parents and students and to increase classroom management efficiency and productivity.

Strategy: District Web Site

Description: The district web site will be updated continuously allowing it to become each NSSD parents' portal to information regarding their child's education at North Schuylkill.

Educational Practices: Artful Use of Infrastructure

Activity	Description	Evaluation Procedure
District Office Web Page	The district office will maintain a web page which will include information regarding current district initiatives, school board briefs and meeting agendas, business office news, and other information regarding events and news having district-wide implications.	Interest surveys, polls and other feedback including informal communication will be used to determine desired features and information posted on the district website.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$6,000.00

Activity	Description	Evaluation Procedure
Parent and Staff Resource Pages	A Staff Resource page and a Parent Resource page will be maintained and updated with links to current educational resources available on the world wide web. Examples will be links to PDE and parent tips regarding "surfing the web safely."	Interest surveys, polls and other feedback including informal communication will be used to determine desired features and information posted on the district website.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
School Events	The elementary school and junior senior high	Interest surveys, polls and other

Pages	school will maintain a school web page listing a calendar of events, newsletters, course of studies, daily announcements and other information important to the daily operation of the schools.	feedback including informal communication will be used to determine desired features and information posted on the district website.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Strategy: Implement a Web-based SIS

Description: The district will implement a web-based SIS which will allow parents to access their child's current grades, attendance, homework, and pending assignments and tests. Staff contact information will also be available.

Educational Practices: Artful Use of Infrastructure, Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Establish Timetable & Parent Orientation	Implementation of the SIS will be phased in throughout an 18-week period to ensure efficiency and accurate use of the system. Once it is determined the system is being efficiently used a Parent Orientation meeting explaining the new system will be held and parent registration to access the system will begin.	Administrative observation and discussions with Tech Lead Teachers and other staff will be used to determine whether the system is being used efficiently enough to allow parent access.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$0.00

Activity	Description	Evaluation Procedure
SIS Training	Tech Lead Teachers will receive training from the SIS vendor. They in turn will provide training to their colleagues and other staff during in-service and Act 80 days, and provide support as needed during the regular school day.	Professional development needs assessments and evaluations will be administered.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$5,400.00

Activity	Description	Evaluation Procedure
Web Gradebook	Professional staff will be required to record all assignments and grades using eSchoolBook's gradebook component. Grades will be required to be updated on a weekly basis.	The activities will be considered part of the duties of each professional staff member. This will be among the criteria used to determine annual job performance.
Person	Timeline for Implementation	Resources

Responsible		
Sharon Snyder	Start: 2007-2008, ongoing	\$0.00

Strategy: Research New Technologies

Description: District administrators and technology coordinators will research and implement new technologies and methods to improve communication, classroom management and productivity.

Educational Practices: Artful Use of Infrastructure, Continuous Learning Ethic, Quality Leadership, Quality Teaching

Activity	Description	Evaluation Procedure
Technology Upgrades	Technology hardware and software available for staff use will be maintained and updated.	The district technology coordinator will administer annual surveys to professional staff to assess the current technology needs for hardware, software, and student use.
Person Responsible	Timeline for Implementation	Resources
Paul Caputo	Start: 2007-2008, ongoing	\$96,000.00

Staff Development

Currently the NSSD employs a Technology Lead Teacher system. We have used this model throughout the 2006-2007, school year as a trial to gauge its effectiveness. We are extremely pleased with the results and plan to incorporate language into the professional teachers' contract to officially recognize this position and award a fixed stipend. There are 17 technology lead teachers in the junior senior high school and the two elementary schools. Each lead teacher is responsible for approximately 9 teachers in their respective group. The tech lead teachers are selected by the building principals, *Supervisor of Curriculum, Technology and Federal Programs* and *Coordinator of Computer Services and Technology*, based on their technical expertise and experience incorporating technology into their classrooms. During the school year, the tech lead teachers meet with their groups during in-service days or after school to discuss how to infuse technology into their curriculums. Teachers also meet with their tech lead teacher during their planning period or lunch period. The tech lead teachers provide their teams with curriculum ideas on how to use technology and help them to locate internet resources designed to enrich their lessons. During the school year, the tech lead teachers are responsible for training their groups on new software applications and/or hardware the school will be or has already implemented.

In addition to this system, the school has made effective use of training offered by various textbook, software and hardware vendors as part of the respective purchases. We also utilize the training services offered by Schuylkill IU 29. For example, we are presently receiving training in the use of Polycom videoconferencing units and student response systems which will be placed in each of our buildings next year.

NSSD's administrators routinely use technology in the performance of their job responsibilities. Administrative use, or modeling of technology, has been extremely helpful in promoting the use of technology among our professional and non-professional staff.

Technology integration has been identified as an Action Plan in the NSSD Professional Education Plan (Act 48). The integration of technology into the curriculum will be promoted and supported. Technology training opportunities for all professional staff will be offered and conducted by the technology coordinator, tech lead teachers and outside resources. The *Supervisor of Curriculum, Technology and Federal Programs*, *Coordinator of Computer Services and Technology* and tech lead teachers will team teach and/or mentor other teachers when necessary to assist or model the delivery of technology-based lessons.

Professional staff needs assessments for technology training will be conducted during the school year. Administrators and other district technology leaders, including tech lead teachers,

will meet and discuss annual technology goals. The school district website (www.northschuykill.net) *Staff Resource Page* will allow teachers to share and collaborate through popular methods of online communication, including virtual chats, message boards and blogging. Links to current educational resources, including technology lesson plans, will be updated and readily available.

Budget

Summary: Potential Funding Distribution

Funding Source	2008-2009	2009-2010	2010-2011	Total
010 - ADMINISTRATIVE BUDGET	\$207,200.00	\$151,800.00	\$187,550.00	\$546,550.00
212 - PA Accountability Grants	\$11,000.00	\$11,000.00	\$11,000.00	\$33,000.00
421 - NCLB - Title II, Part A - Includes Improving Teacher Quality, Eisenhower Professional Development, Class Size Reduction	\$19,000.00	\$19,000.00	\$19,000.00	\$57,000.00
491 - NCLB - TITLE V, Part A - Includes Innovative programs	\$1,850.00	\$1,850.00	\$1,850.00	\$5,550.00
eRATE	\$11,000.00	\$11,000.00	\$11,000.00	\$33,000.00
TOTAL	\$250,050.00	\$194,650.00	\$230,400.00	\$675,100.00

Goal: District Technology Planning

Administrators will review existing district support technologies and keep them current with prevailing K-12 technology standards.

Technology Maintenance Plan	2008-2009	2009-2010	2010-2011	Total	Funding Source
Increase IT Staff	\$8,500.00	\$8,500.00	\$8,500.00	\$25,500.00	421 - NCLB – Title II, Part A - Includes Improving Teacher Quality, Eisenhower Professional Development, Class Size Reduction
Increase IT Staff	\$36,000.00	\$36,000.00	\$70,000.00	\$142,000.00	010 - ADMINISTRATIVE BUDGET

GRAND TOTAL	\$44,500.00	\$44,500.00	\$78,500.00	\$167,500.00	
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Goal: Innovative Technologies

Innovative technologies will be used to assist staff and students to meet district educational goals.

Audio-Visual	2008-2009	2009-2010	2010-2011	Total	Funding Source
Content delivery	\$2,500.00	\$2,500.00	\$2,500.00	\$7,500.00	010 -

					ADMINISTRATIVE BUDGET
Equipment upgrades & replacement	\$2,000.00	\$2,000.00	\$2,000.00	\$6,000.00	010 - ADMINISTRATIVE BUDGET

Closed-Circuit Television	2008-2009	2009-2010	2010-2011	Total	Funding Source
Digital Equipment	\$2,500.00	\$1,500.00	\$1,500.00	\$5,500.00	010 - ADMINISTRATIVE BUDGET
Editing Equipment	\$3,500.00	\$1,000.00	\$500.00	\$5,000.00	010 - ADMINISTRATIVE BUDGET

Distance Learning	2008-2009	2009-2010	2010-2011	Total	Funding Source
Distance Learning Opportunities	\$1,850.00	\$1,850.00	\$1,850.00	\$5,550.00	491 - NCLB – TITLE V, Part A - Includes Innovative programs
Hardware	\$1,000.00	\$1,000.00	\$1,000.00	\$3,000.00	010 - ADMINISTRATIVE BUDGET

GRAND TOTAL	\$57,850.00	\$54,350.00	\$87,850.00	\$200,050.00	
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Goal: Technology Training and Leadership

Strategy Description: Technology training opportunities for all professional staff will be offered and conducted by the technology coordinator, tech lead teachers and outside resources.

Leadership and Modeling	2008-2009	2009-2010	2010-2011	Total	Funding Source
Administrative Technology Training	\$500.00	\$500.00	\$500.00	\$1,500.00	010 - ADMINISTRATIVE BUDGET
Administrative Technology Tools	\$1,000.00	\$1,000.00	\$1,000.00	\$3,000.00	010 - ADMINISTRATIVE BUDGET

Staff Needs Assessments	2008-2009	2009-2010	2010-2011	Total	Funding Source
Web-Based Tech Surveys	\$200.00	\$200.00	\$200.00	\$600.00	010 - ADMINISTRATIVE BUDGET

Technology Training and	2008-2009	2009-2010	2010-2011	Total	Funding Source
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Support					
Tech Lead Teachers	\$8,500.00	\$8,500.00	\$8,500.00	\$25,500.00	421 - NCLB – Title II, Part A - Includes Improving Teacher Quality, Eisenhower Professional Development, Class Size Reduction

Technology Training Professional Development	2008-2009	2009-2010	2010-2011	Total	Funding Source
In-Service Training	\$1,000.00	\$1,000.00	\$1,000.00	\$3,000.00	010 - ADMINISTRATIVE BUDGET
In-Service Training	\$2,000.00	\$2,000.00	\$2,000.00	\$6,000.00	421 - NCLB – Title II, Part A - Includes Improving Teacher Quality, Eisenhower Professional Development, Class Size Reduction
School-Based Training	\$500.00	\$500.00	\$500.00	\$1,500.00	010 - ADMINISTRATIVE BUDGET
Tech Conferences and Workshops	\$750.00	\$750.00	\$1,000.00	\$2,500.00	010 - ADMINISTRATIVE BUDGET
GRAND TOTAL	\$72,300.00	\$68,800.00	\$102,550.00	\$243,650.00	

Goal: Use Technology to Allow Students to Master Skills Needed For Success in the 21st Century

All students will be provided technology access and opportunities to acquire the technology skills mandated by the PA Academic Standards.

Maintain and Update Technology Resources	2008-2009	2009-2010	2010-2011	Total	Funding Source
Hardware and Equipment	\$10,000.00	\$10,000.00	\$10,000.00	\$30,000.00	010 - ADMINISTRATIVE BUDGET
Home Access	\$700.00	\$700.00	\$700.00	\$2,100.00	010 - ADMINISTRATIVE BUDGET
Make Additional	\$52,000.00	\$0.00	\$0.00	\$52,000.00	010 -

Computer Labs Available					ADMINISTRATIVE BUDGET
Multimedia	\$20,000.00	\$20,000.00	\$20,000.00	\$60,000.00	010 - ADMINISTRATIVE BUDGET
New Computers and Thin Client Devices	\$10,000.00	\$10,000.00	\$10,000.00	\$30,000.00	010 - ADMINISTRATIVE BUDGET
Use of Thin Client Technology	\$10,000.00	\$10,000.00	\$10,000.00	\$30,000.00	010 - ADMINISTRATIVE BUDGET

Maintain and Upgrade Software	2008-2009	2009-2010	2010-2011	Total	Funding Source
Home Access	\$750.00	\$750.00	\$750.00	\$2,250.00	010 - ADMINISTRATIVE BUDGET
Online Subscriptions	\$11,000.00	\$11,000.00	\$11,000.00	\$33,000.00	212 – PA Accountability Grants
Online Subscriptions	\$25,000.00	\$25,000.00	\$25,000.00	\$75,000.00	010 - ADMINISTRATIVE BUDGET
Productivity and Multimedia Software	\$5,000.00	\$5,000.00	\$5,000.00	\$15,000.00	010 - ADMINISTRATIVE BUDGET
Software Subscription Services	\$3,000.00	\$3,000.00	\$3,000.00	\$9,000.00	010 - ADMINISTRATIVE BUDGET

Network Infrastructure	2008-2009	2009-2010	2010-2011	Total	Funding Source
LAN Hardware	\$5,000.00	\$5,000.00	\$5,000.00	\$15,000.00	eRATE
LAN Software	\$2,500.00	\$2,500.00	\$2,500.00	\$7,500.00	010 - ADMINISTRATIVE BUDGET
Wireless VPN Connection	\$6,000.00	\$6,000.00	\$6,000.00	\$18,000.00	eRATE

GRAND TOTAL	\$233,250.00	\$177,750.00	\$211,500.00	\$622,500.00	
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Goal: Use Technology to Improve Communication and Increase Efficiency

All educators will effectively use technology to improve communication with parents and students and to increase classroom management efficiency and productivity.

District Web Site	2008-2009	2009-2010	2010-2011	Total	Funding Source
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District Office Web Page	\$1,000.00	\$1,000.00	\$1,000.00	\$3,000.00	010 - ADMINISTRATIVE BUDGET
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Implement a Web-based SIS	2008-2009	2009-2010	2010-2011	Total	Funding Source
SIS Training	\$800.00	\$900.00	\$900.00	\$2,600.00	010 - ADMINISTRATIVE BUDGET

Research New Technologies	2008-2009	2009-2010	2010-2011	Total	Funding Source
Technology Upgrades	\$15,000.00	\$15,000.00	\$17,000.00	\$47,000.00	010 - ADMINISTRATIVE BUDGET

GRAND TOTAL	\$250,050.00	\$194,650.00	\$230,400.00	\$675,100.00	
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TOTAL	\$16,800.00	\$16,900.00	\$18,900.00	\$52,600.00	
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Monitoring

The *Coordinator of Computer Services and Technology* and the *Supervisor of Curriculum of Curriculum, Technology and Federal Programs*, with the assistance of the building principals, the district technology technician, Tech Lead Teachers and librarians, will oversee the implementation of the technology initiatives and action steps. Feedback regarding the plan's progress, as well as current needs, will be solicited from stakeholders through informal communication as well as through formal means including observation and surveys. Monthly Tech Lead Teacher meetings, Department meetings, building staff meetings, administrative team meetings and quarterly Curriculum Council meetings will also provide a means for feedback regarding the district's progress in implementing our technology education plan.

We will communicate progress on the goals and objectives in the Technology Plan using the tools found in eStratPlan.org. Regular reports will be presented to the superintendent, administration and faculty. This information will be shared with parents and other community stakeholders through district newsletters, building newsletters and the district web site. In addition, yearly progress reports and presentations will be made to the board of education at public board meetings.

Evaluation

The *Coordinator of Computer Services and Technology*, *Supervisor of Curriculum of Curriculum, Technology and Federal Programs* and building level administrators will be responsible for evaluating the impact of the technology goals, strategies, and activities. Data will be gathered through annual surveys regarding student, teacher, and administrator technology knowledge. Formal staff observation, regular walk-through observations, team-teaching and mentoring opportunities will be among the avenues used to gauge how effectively technology is being integrated into our curriculum. Teachers will assess students' technology skills using assessment tools incorporated into our K-12 curriculum.

The ultimate goal of our educational technology plan is to improve student achievement. Increased scores on local, state and national assessments, improved attendance and graduation

rates, and positive feedback from climate surveys and other assessment tools, will be quantitative evidence of the effectiveness of our plan.