
Pennsylvania Department of Education



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

Educational Technology Report **Friday, September 28, 2007**

Entity: Mifflin County SD
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Core Purpose

Mission

Educate each student to meet life's challenges.

Vision

We envision an innovative, stimulating, and exciting school community where all participants are actively engaged in learning in a safe and secure environment.

We offer an excellent educational opportunity where each student acquires the skills necessary to maximize potential and enhance creative thinking. Each student is challenged and prepared to become a lifelong learner in a global society.

We commit to continuous growth and utilization of best practices in assessment and instruction and in the application of technology.

We model the "Twelve Traits of Character," embrace diversity and demonstrate responsible citizenship.

Shared Values

We believe:

Academic achievement for all students is the district's compelling purpose.

The district must provide all students with the opportunity to maximize their talents and abilities.

Research-based assessments must be included to identify student potential and to drive instruction.

Differentiated instruction is essential for all students to progress in their learning.

Students learn best in a safe and secure environment.

High expectations are the collective responsibility of students, parents, educators, and community members.

Strong character directly and positively affects performance and success.

An effective educational system anticipates, plans and acts in response to a changing world.

Sound financial management is necessary to support education.

Needs Assessment

Overview of Existing Infrastructure

Our existing technology infrastructure covers 8 Elementary Schools, 3 Middle Schools, 2 High Schools, a Maintenance Building and an Administration building. We also oversee the

technology at our local Career and Technology Center. We have approximately 1600 computers and 30 servers. All but 3 district buildings and the Career and Technology Center locations are connected to the Administration Building through a 1 gig fiber connection. The Administrative building houses the entire server infrastructure except for the buildings that are not connected to the administration building through the fiber channels. Those 4 remaining buildings are connected through T1 lines or frame relay.

Telecommunication Services and Hardware

The Technology Department researches telecommunication services to improve on connectivity and costs yearly. The district is utilizing the E-Rate program to aid in the cost of these services. Currently all district telecommunication systems are different models and supported by different vendors. The Technology Department is exploring Voice over IP as a possible solution in the future. This would be an excellent addition with the established and future improvements on 1 gig fiber connections between buildings. This would also allow the district to meet the goal of installing a telephone in every classroom by greatly reducing the wiring cost.

The District utilizes cellular services to communicate during emergencies and throughout the school day to conduct business. The cellular service also delivers data to individuals such as e-mail and network alerts. This permits the Technology Department to increase responsiveness to network outages.

Hardware

The 1600 computers that the district currently has range from 1- 7 years old. The district replaces the systems on a rotating basis as funding becomes available. We would like to establish a schedule to have computers replaced every 5 years. Currently, we have computers established in all but a few classrooms and offices. We will continue to place a computer in every classroom and office as the need arises or as funding becomes available.

Servers are on a replacement schedule of 5 years when they reach End of Life with our vendor. The Technology Department is implementing new VM Ware servers which will allow us to enter the virtualization world. The district will continue using physical servers but will virtualize servers when the application permits. Also, being implemented is a SAN to do electronic archiving and backups.

We see wireless technology as being a benefit to the district over the next several years. The district would like to establish wireless laptop labs in some schools to offer additional computer lab time to teachers and students. Students and teachers have already greatly benefited from the wireless infrastructure and laptop lab at the Lewistown Area High School. Plans are already in place to install a wired/wireless infrastructure at the new Indian Valley High School.

The data closets throughout the district connect to the network backbone by 1 gig fiber in the majority of our schools. The Technology Staff is moving the data closets over to a single vendor as necessary. This will allow us to move to complete 1 Gbps switches and PC NICS once costs are more reasonable. The desktops are connecting at 100 mbps or 54 mbps wirelessly where available. The district is researching ways to get the remaining 4 buildings at faster connection speeds back to the Administrative Building once funding becomes available. The Administrative Building delivers the filtered 10 Mbps Internet connection to each building.

The Technology Planning Committee, made up of Administrators, Teachers, Outside Business Personnel and student input, has recognized the need for some additional LCD Projectors, Color Laser Printers, and Interactive White Boards in district schools. While the district does have several LCD Projectors and Color Laser Printers throughout the district, the committee felt that the input from staff and students is guiding us to establish a plan to increase the number of both per school. Currently, multiple inkjet printers are being replaced when needed by one network color laser printer. We are also researching the interactive whiteboards to see how they could be utilized in the classroom when funds become available to purchase them

Software

Mifflin County School District is mainly a Windows and PC shop but does have some Apple based products. We are working on replacing all Windows 2000 computers so that we will be on one operating system, Windows XP SP2. The district uses Microsoft Office 2003 and XP versions with the goal to move to Office 2007.

Mifflin County School District maintains an Intranet. We use the current website to post announcements to the district and community. MCSD uses Parent Connect at the High School and Middle School levels to inform parents of the progress their child is making.

The student information system in use is SASI. This is used for multiple purposes and is utilized to provide reporting to the state. Integrate Pro is used in the classrooms by teachers as an electronic grade book. Plans are being made to introduce this to the elementary level during 2008-2009 school year.

Faculty and Administration all have their own e-mail accounts with access from within the district and at home. Each faculty member, administrator and student have individual logins at all levels. They each have their own personal folder on the network with security and backups implemented.

Curriculum software is chosen by each department. The software is installed and maintained by the technology department to ensure proper use on the network.

Identifying New Technologies

The members of the Technology Staff keep up to date on technology by reading periodicals, attending training workshops, conferences, attend user support groups, and by communicating with peers in the technology field. The Director of Information Systems and Elementary Technology Coordinator attend the state Technology and Education conference and also participate in a monthly meeting at the TIU #11.

Conclusion

The Technology Plan Committee and Technology Department have put a lot of work into the Tech Plan. They feel that the District prides themselves on their existing network and technology and they must continue to strive to make advances.

Goals and Strategies

Goal: Technology Integration

Description: The goal of the Technology Plan is to enhance and enrich student learning, productivity, and communication and educational opportunities through the effective use of 21ST Century tools that are used to enhance the process of teaching and learning.

Strategy: Course Specific Technology Lab

Description: Students will have the opportunity to enrich and supplement their coursework across the curriculum through accessing technologies made available to them at their respective schools.

Activities:

Activity	Description	
Technology Integration Lab	Students will access and use technologies to further enrich their daily curriculum in an effort to improve development, performance and achievement	
Person Responsible	Timeline for Implementation	Resources
Edward Curry	Start: N/A Finish: N/A	\$0.00

Strategy: Electronic Data and Technology

Description: The Technology Department will continue to maintain and support the student management system and electronic grading system.

The Technology Department will implement, maintain and support journaling and archiving electronic data due to recent federal laws.

The Technology Department will continue to maintain and upgrade the existing technology.

The Technology Department will also research and implement new technology on an as needed basis.

Activities:

Activity	Description	
All parents will be able to view their student information through the internet	The Technology Department will continue to maintain and support the student management system, electronic grading system and parent access software.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$73,500.00

Activity	Description	
Archiving System Installation	The Technology Department will implement, maintain and support the archiving system to adhere to the new federal laws. The Technology Department will establish guidelines and policies to adhere to the new federal laws.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$200,000.00

Activity	Description	
Financial Software	The Technology Department will maintain and support the financial and electronic purchase order system for District Staff. The Technology Department will train District Staff on the use of the financial software solution. Administration and secretaries will utilize the electronic purchase order system and financial software to make budgetary decisions.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$54,000.00

Activity	Description	
Help Desk Solution	The Technology Department will maintain and support a Help desk support system for District Staff. The Technology Department will train District Staff on the use of the Help desk support system	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$24,000.00

Activity	Description	
Professional Development	The Technology Department will attend workshops and conferences to review the updates and programming trends used in Technology.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: 6/4/2007 Finish: N/A	\$45,000.00
Professional Development Activity Information		
Number of Hours Per Session	Total Number of Sessions Per School Year	Estimated Number of Participants Per Year
0	0	0
Organization or Institution Name	Type of Provider	Provider's Department of Education Approval Status
Mifflin County School District	<ul style="list-style-type: none"> School Entity 	Approved
Knowledge and Skills	Research and Best Practices	Designed to Accomplish
Knowledge and experience on	Base information on	<i>For school and district</i>

technology used by the school district.	vendor specified best practices.	<i>administrators, and other educators seeking leadership roles:</i> <ul style="list-style-type: none"> • Provides leaders with the ability to <u>access and use appropriate data</u> to inform decision-making. • Instructs the leader in <u>managing resources</u> for effective results.
Educator Groups Which Will Participate in this Activity		
Role		
<ul style="list-style-type: none"> • Classroom teachers • Principals / asst. principals • Superintendent / asst. superintendents • School counselors • Other educational specialists 		
Follow-up Activities	Evaluation Methods	
<ul style="list-style-type: none"> • Peer-to-peer lesson discussions 	<ul style="list-style-type: none"> • Implementation (Ability to apply knowledge gain once training is completed. Successful implementation of new technology) 	

Activity	Description	
Professional Development for Student Management System	The Technology Department will attend conferences and seminars to better educate themselves to maintain and support the student management system and electronic grading system. Staff will continue to attend training sessions on how to utilize the student management system and electronic grading system	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: 6/4/2007 Finish: N/A	\$12,000.00
Professional Development Activity Information		
Number of Hours Per Session	Total Number of Sessions Per School Year	Estimated Number of Participants Per Year
0	0	0
Organization or Institution Name	Type of Provider	Provider's Department of Education Approval Status
		Provider's Department of Education Approval Status

Mifflin County School District	<ul style="list-style-type: none"> School Entity 	Approved
Knowledge and Skills	Research and Best Practices	Designed to Accomplish
Knowledge of experience on technology used by the school district.	Base information on vendor best practices	<i>For school and district administrators, and other educators seeking leadership roles:</i> <ul style="list-style-type: none"> Provides leaders with the ability to <u>access and use appropriate data</u> to inform decision-making. Instructs the leader in <u>managing resources</u> for effective results.
Educator Groups Which Will Participate in this Activity		
Role		
<ul style="list-style-type: none"> Classroom teachers Principals / asst. principals Superintendent / asst. superintendents School counselors Other educational specialists 		
Follow-up Activities	Evaluation Methods	
<ul style="list-style-type: none"> Peer-to-peer lesson discussions 	<ul style="list-style-type: none"> Implementation (Ability to apply knowledge gain once training is complete. Successful implementation of new technology.) 	

Activity	Description	
The School District will implement the use of the electronic grading system at the elementary level	The School District will pilot the electronic grading system at HPAE and LES during the 2008-2009 School year. Electronic Grading system will be rolled out to remaining schools in 2009-2011	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$0.00

Activity	Description
Web based electronic grading system will be made available for	The Technology Department will implement and maintain a secure web based connection for electronic grading.

home use		
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$6,500.00

Strategy: Improve Communications

Description: The staff will use technology to improve communications among teacher administrators, support personnel, parents and the community

Activities:

Activity	Description	
Cellular phones with the option of web and email services will be provided to administrators and other staff who need the ability to immediately communicate with others regarding student safety, infrastructure safety and technology problems	The technology Department will provide cellular phones to necessary administrator or and staff.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$60,000.00

Activity	Description	
Electronic Communications	All District Staff will have email accounts with access from within the district and home. The Technology Department will monitor, support and maintain an email system for the District. The Technology Department will continue to upgrade and maintain the email communications systems. The Technology Department will be responsible for training District staff on the use of the e-mail systems.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Telephones will be installed in every classroom	Administration and Technology Department will do studies to assess the benefits of installing telephones in every classroom. The Technology Department will research the local and long distance plans yearly to determine financial saving solutions. The Technology Department will research the benefits of implementing a VoIP solution for the District.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$0.00

Strategy: Staff will be trained in the use of MCSD resources and policies

Description: Staff will be trained on all software, hardware and available district technologies

Activities:

Activity	Description	
New staff will be trained on Internet Safety	New staff will be aware of and trained on internet safety guidelines and be trained in the safe use of district hardware and software.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: 5/31/2007 Finish: N/A	\$0.00
Professional Development Activity Information		
Number of Hours Per Session	Total Number of Sessions Per School Year	Estimated Number of Participants Per Year
0	0	0
Organization or Institution Name	Type of Provider	Provider's Department of Education Approval Status
Teacher Mentors, Technology Department, Technology Teachers	<ul style="list-style-type: none"> School Entity 	Approved
Knowledge and Skills	Research and Best Practices	Designed to Accomplish
Knowledge of hardware and software applications used throughout the district. Educated on district policies.	More efficient use of the internet.	<p><i>For classroom teachers, school counselors and education specialists:</i></p> <ul style="list-style-type: none"> Enhances the educator's <u>content knowledge</u> in the area of the educator's certification or assignment.
Educator Groups Which Will Participate in this Activity		
Role		
<ul style="list-style-type: none"> Classroom teachers Principals / asst. principals Superintendent / asst. superintendents School counselors Other educational specialists 		
Follow-up Activities	Evaluation Methods	
<ul style="list-style-type: none"> Team development and sharing of content-area lesson implementation outcomes, with involvement of administrator 	<ul style="list-style-type: none"> Participant survey 	

and/or peers	
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Activity	Description	
Staff will be aware of district computer policies	Staff will be aware of and sign the Acceptable Use Policy	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Staff will be trained on essential district resources	District Email system, classroom management and electronic grade book system, online forms	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: 5/31/2007 Finish: N/A	\$0.00

Professional Development Activity Information		
Number of Hours Per Session	Total Number of Sessions Per School Year	Estimated Number of Participants Per Year
0	0	0
Organization or Institution Name	Type of Provider	Provider's Department of Education Approval Status
MCS D Staff and Technology Teachers	<ul style="list-style-type: none"> School Entity 	Approved
Knowledge and Skills	Research and Best Practices	Designed to Accomplish
Knowledge of hardware and software applications used throughout the district. Educated on district policy.	More efficient use of District technology	<p><i>For classroom teachers, school counselors and education specialists:</i></p> <ul style="list-style-type: none"> Enhances the educator's <u>content knowledge</u> in the area of the educator's certification or assignment. <p><i>For school and district administrators, and other educators seeking leadership roles:</i></p>

		<ul style="list-style-type: none"> Instructs the leader in <u>managing resources</u> for effective results.
Educator Groups Which Will Participate in this Activity		
Role		
<ul style="list-style-type: none"> Classroom teachers Principals / asst. principals Superintendent / asst. superintendents School counselors Other educational specialists 		
Follow-up Activities	Evaluation Methods	
<ul style="list-style-type: none"> Team development and sharing of content-area lesson implementation outcomes, with involvement of administrator and/or peers 	<ul style="list-style-type: none"> Participant survey 	

Strategy: Students will develop the skills necessary for them to be productive workers and life-long learners

Description: Students will be provided with current and advanced technology and skills.

Activities:

Activity	Description	
Computer Curriculum will be evaluated and updated regularly	Elementary, middle and high school computer curriculum will be upgraded and expanded to reflect the advancement in technology and the growing needs of the students. Computer Staff will meet at least four times a year to review and improve the computer curriculum.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Provide Access to updated reference resources	Power Library World Book Online Facts on File netTrekker Provide easy access for these resources on student and teacher computer desktops. Students will be able to use the internet for research and information retrieval.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$31,500.00

Strategy: Technology Committee

Description: Strategy Description: Technology Committee made of building contacts, computer teachers, Web Masters, Technology Department personnel will be formed and meet regularly.

Activities:

Activity	Description	
Technology Committee will form, revise and update policies	Technology Committee will revise and update Acceptable Use Policy, Internet Use Policy, Data Policy, etc.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$0.00

Strategy: Technology Training

Description: Teachers will be aware of and trained in the available technology and be able to implement it into their curriculum.

Activities:

Activity	Description	
Professional Development	Workshops will be offered to teachers on available technology, software and integration methods (ie. Professional Resources Exchange, reference resources, use of new equipment, student management system, etc.). Professional Development requirement will be investigated. Teachers will attend regularly scheduled, required 20 — 30 minute after school technology classes (Electronic Grading system, student management system, email, intranet forms, acceptable use policy, etc.).	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: 5/30/2007 Finish: N/A	\$36,000.00
Professional Development Activity Information		
Number of Hours Per Session	Total Number of Sessions Per School Year	Estimated Number of Participants Per Year
0	0	0
Organization or Institution Name	Type of Provider	Provider's Department of Education Approval Status
MCSD Computer Teachers and Computer Contacts; MCSD Technology Staff	<ul style="list-style-type: none"> School Entity 	Approved
Knowledge and Skills	Research and Best Practices	Designed to Accomplish
Knowledge of hardware and software applications used throughout the district. Educated on district policy.	More efficient use of District Technology.	<p><i>For classroom teachers, school counselors and education specialists:</i></p> <ul style="list-style-type: none"> Enhances the educator's <u>content knowledge</u> in the area

		<p>of the educator's certification or assignment.</p> <p><i>For school and district administrators, and other educators seeking leadership roles:</i></p> <ul style="list-style-type: none"> Instructs the leader in <u>managing resources</u> for effective results.
Educator Groups Which Will Participate in this Activity		
Role		
<ul style="list-style-type: none"> Classroom teachers Principals / asst. principals Superintendent / asst. superintendents School counselors Other educational specialists 		
Follow-up Activities	Evaluation Methods	
<ul style="list-style-type: none"> Team development and sharing of content-area lesson implementation outcomes, with involvement of administrator and/or peers 	<ul style="list-style-type: none"> Participant survey 	

Activity	Description	
Professional Resource Exchange	Discussion Board will be developed and made available for exchange of ideas and sharing documents on MCSD server. It will be available from home or school.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$8,000.00

Activity	Description
Public Relations Strategy for more and better communication with staff	Continue posting announcements on MCSD web page and making information available through the Logon. Investigate removing the web mail shortcut from the desktops.

Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$0.00

Strategy: The use of technology will become an integral part of learning in all subject areas

Description: The district will maintain, monitor and purchase the necessary hardware and software to ensure that technology is an integral part of learning in all subject areas.

Activities:

Activity	Description	
Appropriate subject area software will be made available to the teachers	Photo Editing Software, PDF Conversion Software, Web Development Class Software, Appropriate content area Software, Microsoft Office software	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$420,000.00

Activity	Description	
Classroom Management System	Investigate and pilot a classroom/ course management system	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$21,000.00

Activity	Description	
Interactive Electronic Whiteboard	Investigate and pilot interactive electronic whiteboard technology (i.e. Promethean, Smartboard)	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Investigate becoming a member of Tuscarora Intermediate Unit IMS	Membership entitles us to use Discovery United Streaming, Personal Response Systems, etc	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$63,000.00

Activity	Description

LAN and Internet connectivity	Provide LAN connectivity, WAN connectivity greater than 1.5 MBPS and internet connectivity at least 10 MBPS for all school areas. The Technology Department will explore the needs of the district for Internet 2.0. The Technology Department will maintain and monitor an Internet Connection and WAN connections to all buildings with the ability to handle the schools needs and traffic.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$360,000.00

Activity	Description	
Mobile Lab will be available in every school	Mobile lab of 30 computers, cart, LCD projector, color printer, wireless access point and extra power supplies will be available at every school	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$0.00

Activity	Description	
Networkable Color Copier or Laser Printer will be available in every school	Networkable Color Copier or Laser Printer will be purchased for every school. (Union, Armagh, HPAE, Buchanan, LMS, EDerry) (6)	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$10,800.00

Activity	Description	
Presentation Equipment will be available in every school	Projection units will be purchased for every lab and a second or third one purchased for every school. The goal for 08-09 is one per lab in Brown, Armagh, Union, and SMMS. During 09-12 the goal is a second one for every school to travel throughout the school (East Derry, Brown, Armagh, Union, SMMS, LMS, HPAE, Buchanan, IVMS, LES, SMES)	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$0.00

Activity	Description	
The District will continue with the plan to place a computer in every classroom	Computers will be placed in classrooms, special area rooms and conference areas	
Person Responsible	Timeline for Implementation	Resources

Douglas Cunningham	Start: N/A Finish: N/A	\$0.00
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Activity	Description	
The Technology Department will maintain and monitor the internet connection	URL filtering software package such as WebSense will be used to remain CIPA compliant.	
Person Responsible	Timeline for Implementation	Resources
Douglas Cunningham	Start: N/A Finish: N/A	\$33,000.00

Staff Development

Overview

Professional Development is the key to a successful Technology Plan. The Technology Department will conduct a survey to see what Professional Development needs to be offered. Feedback from Administrators and faculty members will also be taken into consideration when deciding on Professional Development.

The Director of Information Systems along with Administrators will determine the needs for Professional Development. Some Professional Development will be done by MCS D staff. Sometimes it will be necessary to bring in an outside source to conduct the training. Professional Development will be offered during In-Service, after school and during the summer. All staff members of MCS D are encouraged to participate in outside user groups with peers to further their knowledge.

Technology Department Staff

- The Technology Department will attend workshops and conferences to review the updates and programming trends used in Technology.
- The Technology Department will attend conferences and seminars to better educate themselves to maintain and support the student management system and electronic grading system.
- The Technology Department will attend the state Technology and Education Conference.
- The Technology Department will attend necessary training to implement the new technologies.

Teaching Staff

- Staff will continue to attend training sessions on how to utilize the student management system and electronic grading system.
- The Technology Department will be responsible for training District staff on the use of the technology systems.
- New staff will be aware of and trained on internet safety guidelines and be trained in the safe use of district hardware and software.
- Workshops will be offered to teachers on available technology, software and integration methods.

Non-Teaching Staff

- Staff will be offered training on how to utilize the student management system and financial systems as necessary.
- New staff will be trained in the safe use of district hardware and software.
- Staff will be offered training on the use of new software and hardware.

Budget

Summary: Potential Funding Distribution

Funding Source	2008-2009	2009-2010	2010-2011	Total
010 - ADMINISTRATIVE BUDGET	\$615,100.00	\$416,600.00	\$408,600.00	\$1,440,300.00
TOTAL	\$615,100.00	\$416,600.00	\$408,600.00	\$1,440,300.00

Goal: Technology Integration

The goal of the Technology Plan is to enhance and enrich student learning, productivity, and communication and educational opportunities through the effective use of 21ST Century tools that are used to enhance the process of teaching and learning.

Electronic Data and Technology	2008-2009	2009-2010	2010-2011	Total	Funding Source
All parents will be able to view their student information through the internet	\$24,500.00	\$24,500.00	\$24,500.00	\$73,500.00	010 - ADMINISTRATIVE BUDGET
Archiving System Installation	\$200,000.00	\$0.00	\$0.00	\$200,000.00	010 - ADMINISTRATIVE BUDGET
Financial Software	\$18,000.00	\$18,000.00	\$18,000.00	\$54,000.00	010 - ADMINISTRATIVE BUDGET
Help Desk Solution	\$8,000.00	\$8,000.00	\$8,000.00	\$24,000.00	010 - ADMINISTRATIVE BUDGET
Professional Development	\$15,000.00	\$15,000.00	\$15,000.00	\$45,000.00	010 - ADMINISTRATIVE BUDGET
Professional Development for Student Management System	\$4,000.00	\$4,000.00	\$4,000.00	\$12,000.00	010 - ADMINISTRATIVE BUDGET
Web based electronic grading system will be made available for home use	\$2,500.00	\$2,000.00	\$2,000.00	\$6,500.00	010 - ADMINISTRATIVE BUDGET

Improve Communications	2008-2009	2009-2010	2010-2011	Total	Funding Source
Cellular phones with the option of web and email services will be provided to administrators and other staff who need the ability to immediately communicate with others regarding student safety, infrastructure safety and technology problems	\$20,000.00	\$20,000.00	\$20,000.00	\$60,000.00	010 - ADMINISTRATIVE BUDGET

Students will develop the skills necessary for them to be productive workers and life-long learners	2008-2009	2009-2010	2010-2011	Total	Funding Source
Provide Access to updated reference resources	\$10,500.00	\$10,500.00	\$10,500.00	\$31,500.00	010 - ADMINISTRATIVE BUDGET

Technology Training	2008-2009	2009-2010	2010-2011	Total	Funding Source
Professional Development	\$6,000.00	\$6,000.00	\$6,000.00	\$18,000.00	010 - ADMINISTRATIVE BUDGET
Professional Resource Exchange	\$0.00	\$8,000.00	\$0.00	\$8,000.00	010 - ADMINISTRATIVE BUDGET

The use of technology will become an integral part of learning in all subject areas	2008-2009	2009-2010	2010-2011	Total	Funding Source
Appropriate subject area software will be made available to the teachers	\$140,000.00	\$140,000.00	\$140,000.00	\$420,000.00	010 - ADMINISTRATIVE BUDGET
Classroom Management	\$11,000.00	\$5,000.00	\$5,000.00	\$21,000.00	010 - ADMINISTRATIVE

System					BUDGET
Investigate becoming a member of Tuscarora Intermediate Unit IMS	\$21,000.00	\$21,000.00	\$21,000.00	\$63,000.00	010 - ADMINISTRATIVE BUDGET
LAN and Internet connectivity	\$120,000.00	\$120,000.00	\$120,000.00	\$360,000.00	010 - ADMINISTRATIVE BUDGET
Networkable Color Copier or Laser Printer will be available in every school	\$3,600.00	\$3,600.00	\$3,600.00	\$10,800.00	010 - ADMINISTRATIVE BUDGET
The Technology Department will maintain and monitor the internet connection	\$11,000.00	\$11,000.00	\$11,000.00	\$33,000.00	010 - ADMINISTRATIVE BUDGET
GRAND TOTAL	\$615,100.00	\$416,600.00	\$408,600.00	\$1,440,300.00	

TOTAL	\$0.00	\$0.00	\$0.00	\$0.00	
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Monitoring

The Director of Information Systems with the assistance of the Elementary Technology Coordinator, Director of Student Support Services and other Administrators will be responsible for monitoring the Technology Plan. Teachers and Staff will monitor some of the activities and provide feedback to the appropriate Administrator. Principals will provide feedback to the Director of Information Systems that they gather at faculty meetings and in classroom observations.

The Director of Information Systems will monitor the progress of technology implementation and integration. The success of the technology implementation and integration will hinge greatly on the Technology Department. One of the keys to the success will be communicating with the teachers and administration to see if the implemented technology is meeting their needs. A Technology Committee will be formed to gather feedback and to assist in updating or changing any activities to meet the goals on a yearly basis. This Technology Committee will meet 4 times a year. This committee will be led by the Director of Information Systems and Elementary Technology Coordinator. The committee will evaluate the activities that are occurring to meet the Technology Plan Goals. This team will assist the Administrators in determining if the implemented activities are meeting the goals. Reports and feedback will be provided to Administrators to assess our progress.

Professional Development done at the school level will be determined by a survey given to all staff to determine what additional training will need to be offered. Professional Development will then be offered for the greatest needs and will be based on additional requirements by the Administration.

Evaluation

The Director of Information Systems with the assistance of the Elementary Technology Coordinator, Director of Student Support Services and other Administrators will be responsible for evaluating the goals, strategies and activities of the Technology Plan on a semi-annual basis. Technology Integration into the classroom will be evaluated by teachers with feedback and progress provided to the Principals and the Director of Information Systems. This information will be utilized to determine Technology Integration into the classroom curriculum by the Administration on a yearly basis.

Surveys will continue to be done to evaluate technology skills and competencies of the teachers and administration. Principals will evaluate Technology knowledge and usage during classroom observations. Teachers will evaluate student technology knowledge during their regular student evaluations. This information will guide the Director of Information Systems in determining what additional professional development to offer.

Each goal, strategy and activity will be reviewed semi-annually. Appropriate actions will be taken to improve integration and implementation if the goals are not being met. If it is determined that a new activity is needed to successfully meet a goal an appropriate plan will be submitted to Administration for approval. Changes to the Technology Plan will be submitted when needed.