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# Pennsylvania Department of Education

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

## **Educational Technology Report** **Monday, November 24, 2008**

**Entity:** Antietam SD  
**Address:** 100 Antietam Rd Stony Ck Mills  
Reading, PA 19606-1018  
**Phone:**  
**Contact Name:**

## **Core Purpose**

### **Mission**

"Antietam's Commitment: A community partnership pledged to lifetime achievement."

### **Vision**

In keeping with our stated mission, the Antietam School District in conjunction with our community will provide a sound educational experience in a caring and supportive environment that fosters lifetime learning which:

- Challenges and empowers all students in a rigorous standards-based curriculum
- Utilizes technology and data-driven decision making to foster sound educational practices
- Develops the foundation for a socially responsible, life-long learner
- Emphasizes problem solving, analytical and creative thinking
- Promotes a culture of respect

### **Shared Values**

1. We believe that all children can learn and the limits of individual learning are unknown.
2. The role of the school community is to work cooperatively to support the needs of the students.
3. All students are entitled and the District has the responsibility to create a safe and caring learning environment.
4. The education of our children is a shared responsibility between the students, the school, the home, and the community.
5. We believe that the future our children will live and work in will be a vastly different and ever changing world, and we must prepare them to be life-long learners prepared for the challenges of that future.
6. We believe in the need for continuous improvement utilizing a decision-making model that is student-centered, collaborative, data-driven, and research based.
7. Technology enhances educational programs, promotes academics achievement, and is essential in the management of the District.
8. Healthy school communities respect differences, welcome diversity, and promote cultural diversity.
9. Excellence in education and the personal and professional growth of all staff members are essential for continuous improvement.
10. The district is responsible for providing educational excellence within the fiscal resources of the community.
11. Good citizenship requires responsibility, hard-work, self-discipline, appropriate decision-making, and integrity.
12. The district believes co-curricular participation is an integral aspect of the whole school program.

### **Needs Assessment**

#### **Needs Assessment Educational Technology**

The following needs were identified through the use of educator and community surveys as well as information gathered from the Pennsylvania Department of Education website.

*Telecommunications Services*

Continue to seek E-rate funding for eligible services.

Continue to examine and expand bandwidth, as needed.

Update and maintain the district website.

### *Technology Infrastructure*

Update and maintain the district network to support technology requirements.

Update and maintain telecommunication systems.

### *Technology Support*

Increase the number of technology support staff.

Explore possibility of a new administrative position for Instructional Technology.

### *Technology/Curriculum Integration*

Maintain and expand the implementation of the hardware leasing program.

Continue the use of the District Technology Replacement Cycle.

Explore programs that would move the district towards a One-to-One implementation.

Explore Distance Learning opportunities.

### *Professional Development*

Increase computer literacy and technology proficiency.

Provide more learning opportunities for instructors in Classroom Technology Integration.

### *Community Partnership*

Educate the community on the value of technology in the classroom.

Share technology access with the community.

Use technology to keep the Community informed of school business.

## Goals and Strategies

### **Goal: Technology - Best Practices**

*Description:* The Antietam School District will continue to develop its technology implementation in an effort to enhance student learning, provide administrative tools, and empower our instructors.

### **Strategy: Community Partnerships**

*Description:* Involving the community with district technology.

*Activities:*

Activity	Description	
Information Sharing	Promote information sharing using district technology to keep the community informed.	
Person Responsible	Timeline for Implementation	Resources
Brian Patton	Ongoing	\$0.00

Activity	Description	
New Partnerships	Pursue new community partnerships in relation to technology.	
Person Responsible	Timeline for Implementation	Resources
Brian Patton	Ongoing	\$0.00

Activity	Description	
Technology Sharing	Provide technology access and training opportunities for the community.	
Person Responsible	Timeline for Implementation	Resources
Brian Patton	Ongoing	\$0.00

### **Strategy: Technology and Integration**

*Description:* Maintain and enhance technology tools and opportunities following the district's recycle/purchase/leasing plan.

*Activities:*

Activity	Description	
Classrooms for the Future	To be an active participant of the CFF initiative from PDE .	
Person Responsible	Timeline for Implementation	Resources
Brian Patton	Start: 7/1/2008 Finish: 6/30/2009	\$304,736.00

<b>Activity</b>	<b>Description</b>	
Distance Learning	Explore new distance learning opportunities for the district.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Brian Patton	Ongoing	\$0.00

<b>Activity</b>	<b>Description</b>	
Language Arts Mobile Labs	Explore possible solutions for mobile technology labs in the Language Arts concentration.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Brian Patton	Ongoing	\$0.00

<b>Activity</b>	<b>Description</b>	
Library/Media Center Operations Upgrade	Upgrade the library software to a districtwide solution	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Brian Patton	Start: 7/1/2008 Finish: 6/30/2009	\$10,000.00

<b>Activity</b>	<b>Description</b>	
Technology Recycle Plan	Continue to support the district technology recycling plan. The current plan is on a four year cycle and takes advantage of leasing options.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Brian Patton	Ongoing	\$600,000.00

**Strategy: Technology Infrastructure**

*Description:* Technology Infrastructure can be described as the backbone of our network. It includes servers, routers, switches, network cabling, telecommunication cabling and equipment, and wireless capabilities. The Technology Infrastructure provides our pathway for sharing of electronic communications, data, and other services.

*Activities:*

<b>Activity</b>	<b>Description</b>	
District Networking	Update and maintain the district network to support technology requirements.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Brian Patton	Ongoing	\$0.00

Activity	Description	
Telecommunication Systems	Update and maintain telecommunication systems.	
Person Responsible	Timeline for Implementation	Resources
Brian Patton	Ongoing	\$39,000.00

**Strategy: Technology Leadership and Support**

*Description:* Technology Department Staffing

*Activities:*

Activity	Description	
Current Technology Positions	Maintain the current technology positions in the district.	
Person Responsible	Timeline for Implementation	Resources
Brian Patton	Ongoing	\$313,000.00

Activity	Description	
Explore creating a new Administrative Instructional Technology Position	Research feasibility of new Instructional Technology Position to coordinate technology integration activities.	
Person Responsible	Timeline for Implementation	Resources
Brian Patton	Ongoing	\$217,500.00

Activity	Description	
New Technical Support Staff	Increase the number of technical support staff through new positions and possible stipends to teachers.	
Person Responsible	Timeline for Implementation	Resources
Brian Patton	Ongoing	\$62,000.00

**Strategy: Telecommunications**

*Description:* Telecommunications for our district include Internet access methods, telephone services such as basic, centrex, long distance, and cellular services. Telecommunication represents the foundations for all district communication.

*Activities:*

Activity	Description	
Bandwidth	Continue to examine and expand bandwidth, as needed.	
Person Responsible	Timeline for Implementation	Resources
Brian Patton	Ongoing	\$143,400.00

Activity	Description
Telecommunications	Maintain and upgrade telecommunication services and continue to

Services	apply for E-rate eligible discounts.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Brian Patton	Ongoing	\$61,824.00

### Staff Development

Professional Development and Staff Development opportunities were identified areas during the needs assessment section of the Educational Technology Plan. Antietam will be addressing these areas in the following manner:

Classrooms for the Future (CFF) Training - Promote and support CFF training initiatives.

New Technology Training - Provide new technology training to educators for new district technology solutions.

Partnership with Berks County Intermediate Unit - Maintain and expand working relationship with BCIU Instructional Technology Services Department to increase training opportunities for our district.

Specialized Training - Provide individualized technology training opportunities for end-users in their respective specified areas.

Technology Training - Increase technology training opportunities for our educational community.

### Budget

#### Summary: Potential Funding Distribution

Funding Source	2009-2010	2010-2011	2011-2012	Total
010 - ADMINISTRATIVE BUDGET	\$391,704.00	\$401,204.00	\$150,000.00	\$942,908.00
eRATE	\$34,204.00	\$34,204.00	\$0.00	\$68,408.00
<b>TOTAL</b>	<b>\$425,908.00</b>	<b>\$435,408.00</b>	<b>\$150,000.00</b>	<b>\$1,011,316.00</b>

#### Goal: Technology - Best Practices

The Antietam School District will continue to develop its technology implementation in an effort to enhance student learning, provide administrative tools, and empower our instructors.

Technology and Integration	2009-2010	2010-2011	2011-2012	Total	Funding Source
Technology Recycle Plan	\$150,000.00	\$150,000.00	\$150,000.00	\$450,000.00	010 - ADMINISTRATIVE BUDGET

Technology Leadership and Support	2009-2010	2010-2011	2011-2012	Total	Funding Source
Current Technology Positions	\$105,000.00	\$110,000.00	\$0.00	\$215,000.00	010 - ADMINISTRATIVE BUDGET
Explore creating a new Administrative	\$72,500.00	\$75,000.00	\$0.00	\$147,500.00	010 - ADMINISTRATIVE

Instructional Technology Position					BUDGET
New Technical Support Staff	\$30,000.00	\$32,000.00	\$0.00	\$62,000.00	010 - ADMINISTRATIVE BUDGET

Telecommunications	2009-2010	2010-2011	2011-2012	Total	Funding Source
Bandwidth	\$23,900.00	\$23,900.00	\$0.00	\$47,800.00	010 - ADMINISTRATIVE BUDGET
Bandwidth	\$23,900.00	\$23,900.00	\$0.00	\$47,800.00	eRATE (Secondary)
Telecommunications Services	\$10,304.00	\$10,304.00	\$0.00	\$20,608.00	010 - ADMINISTRATIVE BUDGET
Telecommunications Services	\$10,304.00	\$10,304.00	\$0.00	\$20,608.00	eRATE (Secondary)

<b>TOTAL</b>	<b>\$425,908.00</b>	<b>\$435,408.00</b>	<b>\$150,000.00</b>	<b>\$1,011,316.00</b>	
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<b>GRAND TOTAL</b>	<b>\$425,908.00</b>	<b>\$435,408.00</b>	<b>\$150,000.00</b>	<b>\$1,011,316.00</b>	
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## Monitoring

The district will use a matrix to monitor the implementation of the activities described in the plan. Appropriate indicators will be identified and data collected for each initiative. An impact evaluation matrix will be completed for each activity. Technology rubrics will be used as an assessment instrument as well. The district will take advantage of the assistant tools provide by PDE - Plan Monitoring Matrix and School Technology Rubric Assessment Instrument. The technology committee as a whole will be responsible for the plan monitoring process while sub-committees will be used for the actual data gathering. Results will be shared via technology meetings, school board updates, and postings on the district website.

## Evaluation

The district technology committee will be responsible for identifying performance measures that are appropriate for the activities presented in the plan. Tools to be used will include: staff monitoring, surveys, use logs, student achievement, test scores, and the district will also use the Impact Evaluation Matrix tool that has been provided by PDE. Information will be compiled, stored, and shared with appropriate presentation software and published on the district website.