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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**

**Thursday, October 21, 2010**

**(Last Approved: Tuesday, June 15, 2010)**

**Entity:** Keystone SD  
**Address:** 451 Huston Avenue  
Knox, PA 16232-9390

## **Mission**

The Keystone School District, through partnerships with home and community, provides students with a safe, high-quality education that inspires lifelong learning.

## **Vision**

It is the vision of the Keystone School District that our students will become responsible citizens equipped to apply 21<sup>st</sup> century skills successfully.

In pursuit of this vision, the Keystone School District will:

- maintain a safe, stable, and dependable learning environment
- provide all students with a quality curriculum delivered by quality teachers
- provide future-focused leaders who will address the aspirations and abilities of all students
- prepare students to be technologically literate, globally-minded, and future-oriented
- prepare students to communicate effectively and work cooperatively in order to serve as a positive leadership force in the community

## **Shared Values**

We believe that family and community support a school environment that fosters and encourages our children to develop authentic relationships, personal ethics, mutual respect, and motivation to learn.

## **Needs Assessment**

### **Reflections**

There are currently no reflections selected for this section.

The Keystone School District is part of the Riverview IU 6 Regional WAN Consortium that received E-Fund Grant funding. We greatly benefit from the grant with increased bandwidth, access to Internet2, and videoconferencing capabilities. Additionally, over the past few years more of our community has had access to broadband with the expansion of DSL and cable services in our area.

Our technology team discovers potentially useful new technologies by attending conferences (when funding is available) as well as by reading technology journals, listservs, blogs, and other online resources, and participating in professional learning networks. Our ITS is a member of ISTE and receives their publications, also.

We have identified several network-related needs: (1) Continuation of email service. Our email service is currently provided as part of a contract with our Internet service provider. (2) Continuation of our 4-year computer rotation plan. (3) Maintenance or updating of our local area network to meet current and future needs. (4) Improvement of the network infrastructure at the Elementary School. (5) Procurement of a supplementary storage solution for student network files. Students are now creating large digital media files that surpass our current storage capacity.

Professional development surveys completed in the Spring of 2009 by our teachers have identified the following staff development needs: integrating technology into classroom instruction

(84% have some interest or strong interest), using free web resources in the classroom (79.6%), creating and maintaining a web page (72.5%), teacher application of Microsoft Office (71.4%), managing technology in the classroom (69.4%), using technology for assessment (69.4%), integrating technology into language arts (61.2%), integrating technology into math (52%), and videoconferencing (51%). In addition, teachers have expressed interest in being trained in the following areas for which technology can be used effectively: developing students' critical thinking skills (96%), differentiating instruction (80.4%), learning styles and multiple intelligences (75.5%), and project-based learning (68.8%).

Both elementary (KES Grades 4-6) and high school (KHS) students were surveyed in September 2009 to determine current needs. We found that 92% of our students have computers at home and that 84% are connected to the Internet. About 71% have broadband connections, and another 12% aren't sure how their families connect to the Internet. Approximately 65% of our high school students and 25% of our elementary students regularly use a social networking site such as MySpace or Facebook. Almost 81% of KHS and 63% of KES students have cell phones, with 88% of KHS students and 80% of KES students owning iPods or other mp3 players.

About 88% of our students feel that technology makes learning more interesting, and an average of 82% feel technology makes it easier to learn new things. Also, 87.5% feel that having computers in the classroom is an advantage for learning.

Over the past two school years, students in "Classrooms for the Future" (CFF) classrooms in Grades 9-12 have learned to create digital content using iMovie, Garageband, iWeb, and other Apple software. However, only 2% of our elementary students have created a movie at school, and 45% report that they cannot design a web site. KES students have had less experience with posting information to blogs and wikis. Neither our high school nor our elementary students have much experience in constructing and manipulating databases.

All KHS core subject classrooms in Grades 7 through 12 are equipped with projection systems and interactive whiteboards through EETT and CFF funding. However, only four KES classrooms are currently similarly equipped. This lack of technology equipment at KES is reflected in the students responses to the question, "On average, my teachers use technology to present their lessons . . ." About 80% of KHS students responded that their teachers use technology weekly or daily, as compared to 18% of the KES students.

Therefore, Keystone Elementary teachers have overwhelmingly named dependable equipment as their greatest technology need. They are asking for projection systems and interactive whiteboards as well as dependable updated computers and software for both teachers and students. The elementary school also lacks the videoconferencing equipment available to high school teachers for use in collaborative projects.

Additionally, we need to address the upgrading of both libraries' circulation systems to a web-based system, as our current system soon will no longer be supported by the company. We would like to update older versions of Microsoft Office to the newest versions to ensure compatibility among users. We also see a need to explore the use of less expensive yet equally effective technologies such as netbooks and iPod Touches in our classrooms to expand student technology access in a cost-effective manner.

## **Goals and Strategies**

### ***Goal:* Increase Professional Education**

**Description:** Keystone School District will provide opportunities for professional education for our staff according to Act 48 and Title I Needs Assessments, additional survey results, and PDE training requirements.

### **Strategy: Technology**

**Description:** Keystone School District will increase teacher knowledge of technology use and integration across the curriculum. Teachers will receive training and support as availability of online resources for instruction increases and as equipment and hardware are updated.

### **Activity: Technology Training**

**Description:** Teachers will participate in technology training, interactive workshops, instructions in the use of hardware and on line resources. Teachers may participate in "Tech Tuesdays", summer workshops, in-house training, and other related training sessions.

<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Shawn Corcetti	Start: 9/8/2009 Finish: 5/4/2010	\$4,800.00

  

<b>Professional Development Activity Information</b>		
<b>Number of Hours Per Session</b>	<b>Total Number of Sessions Per School Year</b>	<b>Estimated Number of Participants Per Year</b>
1.00	36	500
<b>Organization or Institution Name</b>	<b>Type of Provider</b>	<b>Provider's Department of Education Approval Status</b>
Keystone School District	<ul style="list-style-type: none"> <li>School Entity</li> </ul>	Approved

<b>Knowledge and Skills</b>	<b>Research and Best Practices</b>	<b>Designed to Accomplish</b>
Teachers will learn to integrate technology into their instruction to improve student success. Teachers will use technology to review student data. Teachers will gain knowledge and skills in the use of new and updated technology resources.	will add information later	<p><i>For classroom teachers, school counselors and education specialists:</i></p> <ul style="list-style-type: none"> <li>Enhances the educator's <u>content knowledge</u> in the area of the educator's certification or assignment.</li> <li>Increases the educator's <u>teaching skills</u> based on research on effective practice, with attention given to interventions for struggling students.</li> </ul>

- Provides educators with a variety of classroom-based assessment skills and the skills needed to analyze and use data in instructional decision-making.
- Empowers educators to work effectively with parents and community partners.

*For school and district administrators, and other educators seeking leadership roles:*

- Provides the knowledge and skills to think and plan strategically, ensuring that assessments, curriculum, instruction, staff professional education, teaching materials and interventions for struggling students are aligned to each other as well as to Pennsylvania’s academic standards.
- Provides leaders with the ability to access and use appropriate data to inform decision-making.
- Empowers leaders to create a culture of teaching and learning, with an emphasis on learning.
- Instructs the leader in managing resources for effective results.

**Educator Groups Which Will Participate in this Activity**

<b>Role</b>	<b>Grade Level</b>	<b>Subject Area</b>
<ul style="list-style-type: none"> <li>• Classroom teachers</li> <li>• Principals / asst. principals</li> <li>• Superintendent / asst. superintendents</li> <li>• School counselors</li> <li>• Other educational specialists</li> </ul>	<ul style="list-style-type: none"> <li>• Early childhood (preK-grade 3)</li> <li>• Middle (grades 6-8)</li> <li>• Elementary (grades 2-5)</li> <li>• High school (grades 9-12)</li> </ul>	<ul style="list-style-type: none"> <li>• Pre-Kindergarten Early Learning Standards</li> <li>• Reading, Writing, Speaking &amp; Listening</li> <li>• Science and Technology</li> <li>• Arts &amp; Humanities</li> <li>• Civics and Government</li> <li>• Environment and Ecology</li> <li>• Health, Safety and Physical Education</li> <li>• World Languages</li> <li>• Kindergarten Early Learning Standards</li> <li>• Mathematics</li> <li>• History</li> </ul>

- Career Education and Work
- Economics
- Family and Consumer Sciences
- Geography

**Follow-up Activities**

- Team development and sharing of content-area lesson implementation outcomes, with involvement of administrator and/or peers
- Analysis of student work, with administrator and/or peers
- Creating lessons to meet varied student learning styles
- Peer-to-peer lesson discussions

**Evaluation Methods**

- Classroom observation focusing on factors such as planning and preparation, knowledge of content, pedagogy and standards, classroom environment, instructional delivery and professionalism.
- Student PSSA data
- Standardized student assessment data other than the PSSA
- Classroom student assessment data
- Participant survey
- Review of participant lesson plans

**Status:** Not Started — Overdue

**Strategy: Wellness**

**Description:** Information and assessment involving wellness, nutrition and fitness will be provided for students and staff.

**Activity: Technology to Promote Wellness**

**Description:** Technology, including software such as Health eTools, will be used for data collection and reporting and for access to lesson plans, nutritional information, and other Internet resources that promote wellness.

**Person Responsible Timeline for Implementation Resources**

Kim Scheer	Start: 9/1/2010	-
	Finish: 6/1/2013	

**Status:** Not Started — Overdue

**Goal: Math and Reading**

**Description:** Students will achieve proficient and advanced levels in reading and mathematics at or above state percentage requirements.

### **Strategy: K-12 Math Improvement Strategies**

**Description:** Teachers will develop instructional plans that are aligned with the state standards.

#### **Activity: Integrate Standards-Based, Technology-Rich Instruction and Collect Data.**

**Description:** Technology will be used as a tool to help students meet or exceed the PSSA Standards for Mathematics. Students will participate in standards-based, technology-rich lessons and will receive individualized instruction through PSSA-aligned software applications such as Study Island. Technology, such as 4Sight software, will be used to gather and evaluate student data for decision making.

#### **Person Responsible Timeline for Implementation Resources**

Shawn Corcetti	Start: 9/1/2010	\$14,300.00
	Finish: 6/1/2013	

**Status:** Not Started — Overdue

### **Strategy: K-12 Reading Improvement Strategies**

**Description:** Teachers will develop instructional plans that are aligned with the state standards and anchors.

#### **Activity: Integrate Standards-Based Technology Rich Instruction and Collect Data**

**Description:** Technology will be used as a tool to help students meet or exceed the PSSA Standards for Reading. Students will participate in standards-based, technology-rich lessons and will receive individualized instruction through PSSA-aligned software applications such as Study Island. Technology, such as 4Sight software, will be used to gather and evaluate student data for decision making.

#### **Person Responsible Timeline for Implementation Resources**

Vicky Walters	Start: 9/1/2010	-
	Finish: 6/1/2013	

**Status:** Not Started — Overdue

## **Goal: Technology**

**Description:** Students will use technology as a tool to make informed decisions leading to high academic standards aligned with 21st Century skills.

**Strategy: Equip core classrooms to meet the needs of 21st Century students and teachers.**

**Description:** Today's students, our "digital natives," have diverse learning needs, and technology can be used to provide instruction that targets multiple intelligences. We will continue to equip core subject area classrooms with projection systems or devices and whiteboards and provide increased access to other technologies to be used as teaching and learning tools.

**Activity: Equip core classrooms with projection systems or devices.**

**Description:** We will expand the installation of projection systems and interactive whiteboards to Keystone Elementary classrooms. Projection systems will be installed as well in the Elementary auditorium/gymnasium and large group instruction room, and whiteboards will be added to existing projection systems in the computer labs. Teachers will be trained on integrating the systems into their instruction.

<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
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Jonathan Maddy	Start: 7/1/2010 Finish: Ongoing	\$81,000.00
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**Status:** Not Started — Overdue

**Activity: Maintain or replace peripheral equipment.**

**Description:** We will maintain current peripheral equipment, including classroom and network printers, scanners, digital cameras, etc. and replace as needed. Additional multimedia and other peripheral equipment will be purchased as needed.

<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
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Jonathan Maddy	Start: 7/1/2010 Finish: Ongoing	\$23,000.00
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**Status:** Not Started — Overdue

**Activity: Provide up-to-date computers replaced on a 4-year rotation basis.**

**Description:** We will continue to lease laptop and desktop computers with 4-year warranties and replace them on a 4-year rotation. The CFF Macbook laptops will be added to the 4-year rotation.

**Person Responsible    Timeline for Implementation    Resources**

Jonathan Maddy	Start: 7/1/2010 Finish: 6/30/2013	\$344,727.00
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**Status:** Not Started — Overdue

**Strategy: Establish Student-centered Classrooms**

**Description:** Students will become more actively involved in their learning through exposure to technology-rich classrooms with student-centered instruction.

**Activity: Adopt a standard research and problem-solving model.**

**Description:** K-12 teachers will continue to be in-serviced on the Big 6 problem-solving model for integration into student projects. Students will use Big 6 when planning research projects.

**Person Responsible    Timeline for Implementation    Resources**

Barbara Witkowski	Start: 9/1/2010 Finish: Ongoing	-
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**Status:** Not Started — Overdue

**Activity: Develop a K-12 Technology Scope and Sequence**

**Description:** We will develop and implement a K-12 Technology Scope and Sequence aligned to both the PA Academic Standards and ISTE National Standards. Benchmarks will be developed for each grade level.

**Person Responsible    Timeline for Implementation    Resources**

Barbara Witkowski	Start: 7/1/2010 Finish: Ongoing	-
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**Status:** Not Started — Overdue

**Activity: Provide software resources for independent learners.**

**Description:** Instructional, network, administrative, and productivity software will be purchased, maintained and/or updated as needed. Support contracts for software will also be purchased as appropriate.

**Person Responsible    Timeline for Implementation    Resources**

Jonathan Maddy    Start: 7/1/2010    \$60,000.00  
Finish: Ongoing

**Status:** Not Started — Overdue

**Activity: Provide staff development in effective technology integration.**

**Description:** Formal staff development sessions will be held district-wide on in-service and Act 80 days as well as during "Tech Tuesday" sessions at Keystone Elementary. Informal training will be held in small groups and in one-to-one meetings as needed. After-school sessions will be offered as funding permits.

<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Barbara Witkowski	Start: 9/1/2010 Finish: 6/30/2013	\$23,000.00

**Professional Development Activity Information**

<b>Number of Hours Per Session</b>	<b>Total Number of Sessions Per School Year</b>	<b>Estimated Number of Participants Per Year</b>
1.00	50	100
<b>Organization or Institution Name</b>	<b>Type of Provider</b>	<b>Provider's Department of Education Approval Status</b>
Keystone School District	• School Entity	Approved

<b>Knowledge and Skills</b>	<b>Research and Best Practices</b>	<b>Designed to Accomplish</b>
Best practices for integrating technology into the classroom to increase student achievement.	Content will be based on ISTE National Technology Standards for Teachers and Students and PA Academic Standards.	<i>For classroom teachers, school counselors and education specialists:</i> <ul style="list-style-type: none"><li>Increases the educator's <u>teaching skills</u> based on research on effective practice, with attention given to interventions for struggling students.</li><li>Provides educators with a</li></ul>

variety of classroom-based assessment skills and the skills needed to analyze and use data in instructional decision-making.

*For school and district administrators, and other educators seeking leadership roles:*

- Empowers leaders to create a culture of teaching and learning, with an emphasis on learning.

**Educator Groups Which Will Participate in this Activity**

<b>Role</b>	<b>Grade Level</b>	<b>Subject Area</b>
<ul style="list-style-type: none"> <li>• Classroom teachers</li> <li>• Principals / asst. principals</li> <li>• School counselors</li> <li>• Other educational specialists</li> </ul>	<ul style="list-style-type: none"> <li>• Early childhood (preK-grade 3)</li> <li>• Middle (grades 6-8)</li> <li>• Elementary (grades 2-5)</li> <li>• High school (grades 9-12)</li> </ul>	<ul style="list-style-type: none"> <li>• Reading, Writing, Speaking &amp; Listening</li> <li>• Science and Technology</li> <li>• Mathematics</li> </ul>

**Follow-up Activities**

- Team development and sharing of content-area lesson implementation outcomes, with involvement of administrator and/or peers
- Analysis of student work, with administrator and/or peers
- Creating lessons to meet varied student learning styles
- Peer-to-peer lesson discussions
- Lesson modeling with mentoring

**Evaluation Methods**

- Standardized student assessment data other than the PSSA
- Participant survey

**Status:** Not Started — Overdue

**Strategy: Provide a reliable network to meet the needs of 21st Century teachers and students.**

**Description:**

**Activity: Maintain Connection to Regional Wide-Area Network, Internet, and Internet 2**

**Description:** We will maintain our connection to the Internet, Regional WAN, and Internet 2 through the Northwest Regional WAN Consortium and will increase our bandwidth as needed.

<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Jonathan Maddy	Start: 7/1/2010 Finish: Ongoing	\$86,410.00

**Status:** Not Started — Overdue

**Activity: Maintain or upgrade network equipment and software.**

**Description:** Hub closets and switches will be maintained or upgraded as needed. Servers and software will also be maintained or upgraded as needed. Network equipment at Keystone Elementary will be targeted for updating.

<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Barbara Witkowski	Start: 7/1/2010 Finish: 6/30/2013	\$50,000.00

**Status:** Not Started — Overdue

**Activity: Provide reliable email service**

**Description:** We will continue to contract with Sting Communications for our email service.

<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Jonathan Maddy	Start: 7/1/2010 Finish: Ongoing	\$6,000.00

**Status:** Not Started — Overdue

## Budget

### Potential Budget for an AMENDMENT to the currently approved plan report that spans 7/1/2010 to 6/30/2013.

Funding Source	2010-2011	2011-2012	2012-2013	Total
010 - ADMINISTRATIVE BUDGET	\$76,364.00	\$79,000.00	\$59,200.00	\$214,564.00
212 - PA Accountability Grants	\$100.00	\$100.00	\$0.00	\$200.00
390 - EXTRA GRANTS	\$12,000.00	\$12,000.00	\$12,000.00	\$36,000.00
411 - NCLB - Title I, Part A - Improving Basic Programs Operated by LEAs	\$500.00	\$500.00	\$0.00	\$1,000.00
424 - NCLB - Title II, Part D - Includes Enhancing Education Through Technology eRATE	\$500.00	\$500.00	\$0.00	\$1,000.00
	\$16,596.00	\$17,250.00	\$18,000.00	\$51,846.00
<b>Grand Total</b>	<b>\$106,060.00</b>	<b>\$109,350.00</b>	<b>\$89,200.00</b>	<b>\$304,610.00</b>

#### Goal: Increase Professional Education

Keystone School District will provide opportunities for professional education for our staff according to Act 48 and Title I Needs Assessments, additional survey results, and PDE training requirements.

Technology	2010-2011	2011-2012	2012-2013	Total	Funding Source
Technology Training	\$500.00	\$500.00	\$0.00	\$1,000.00	411 - NCLB - Title I, Part A - Improving Basic Programs Operated by LEAs
Technology Training	\$500.00	\$500.00	\$0.00	\$1,000.00	424 - NCLB - Title II, Part D - Includes Enhancing Education Through Technology
Technology Training	\$500.00	\$500.00	\$0.00	\$1,000.00	010 - ADMINISTRATIVE BUDGET
Technology Training	\$100.00	\$100.00	\$0.00	\$200.00	212 - PA Accountability Grants
<b>Subtotal</b>	<b>\$1,600.00</b>	<b>\$1,600.00</b>	<b>\$0.00</b>	<b>\$3,200.00</b>	

#### Goal: Technology

Students will use technology as a tool to make informed decisions leading to high academic standards aligned with 21st Century skills.

Equip core classrooms to meet the needs of 21st Century students and teachers.	2010-2011	2011-2012	2012-2013	Total	Funding Source
Equip core	\$15,000.00	\$15,000.00	\$15,000.00	\$45,000.00	010 -

classrooms with projection systems or devices.					ADMINISTRATIVE BUDGET
Equip core classrooms with projection systems or devices.	\$12,000.00	\$12,000.00	\$12,000.00	\$36,000.00	390 - EXTRA GRANTS
<b>Establish Student-centered Classrooms</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>	<b>Funding Source</b>
Provide software resources for independent learners.	\$20,000.00	\$20,000.00	\$20,000.00	\$60,000.00	010 - ADMINISTRATIVE BUDGET
Provide staff development in effective technology integration.	\$8,000.00	\$10,000.00	\$0.00	\$18,000.00	010 - ADMINISTRATIVE BUDGET
<b>Provide a reliable network to meet the needs of 21st Century teachers and students.</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>	<b>Funding Source</b>
Maintain Connection to Regional Wide-Area Network, Internet, and Internet 2	\$11,064.00	\$11,500.00	\$12,000.00	\$34,564.00	010 - ADMINISTRATIVE BUDGET
Maintain Connection to Regional Wide-Area Network, Internet, and Internet 2	\$16,596.00	\$17,250.00	\$18,000.00	\$51,846.00	eRATE
Maintain or upgrade network equipment and software.	\$20,000.00	\$20,000.00	\$10,000.00	\$50,000.00	010 - ADMINISTRATIVE BUDGET
Provide reliable email service	\$1,800.00	\$2,000.00	\$2,200.00	\$6,000.00	010 - ADMINISTRATIVE BUDGET
<b>Subtotal</b>	<b>\$104,460.00</b>	<b>\$107,750.00</b>	<b>\$89,200.00</b>	<b>\$301,410.00</b>	
<b>Grand Total</b>	<b>\$106,060.00</b>	<b>\$109,350.00</b>	<b>\$89,200.00</b>	<b>\$304,610.00</b>	

## Staff Development

The Keystone School District employs a full-time certified instructional technology specialist who facilitates technology professional development activities. She teaches workshops and provides one-on-one instruction to teachers as needed. Other members of the technology team (elementary and high school business teachers, high school library media specialist) provide training, also. Keystone teachers also have access to the free online 21st Century Teaching and Learning Series available to us as a "Classrooms for the Future" district as well as those offered, sometimes for a fee, by other outside providers. We are a member of the Riverview IU 6 E-Fund Consortium that received funding to install a regional WAN. The WAN gives us additional training options through videoconferencing and Internet 2.

The Keystone Elementary schedule allows for training between 8:15 a.m. and 9 a.m. prior to arrival of students. The District's ITS offers workshops and one-on-one assistance during that time frame at least twice a week. Because the Keystone High School schedule does not permit training time during the workday, we must hold sessions after school. We plan to continue to offer workshops on Act 80 and in-service days as well as during release time as needed. We have included a small dollar amount in our technology budget for training outside the school day/year and hope to be able to increase that allocation as time goes on. We also plan to continue to write grants that include funding for staff development beyond the school day/year.

With exceptions for workshops held on in-service and Act 80 Days, technology professional development is optional. However, the administrators do look for integration of technology when they do both formal and informal teacher observations. Training for our Web-based grade books, online grade reporting system, and other administrative tools has been ongoing. Additionally, all core subject area teachers in Grades 9-12 completed extensive technology integration training over the past two years through the CFF program. Our 7th and 8th grade core teachers received 80+ hours of tech integration training through our EETT grant funding.

Teacher technology surveys administered prior to writing this plan indicated that training is needed in the following areas: integrating technology into classroom instruction (84% of teachers have some interest or strong interest), using free web resources in the classroom (79.6%), creating and maintaining a web page (72.5%), teacher application of Microsoft Office (71.4%), managing technology in the classroom (69.4%), using technology for assessment (69.4%), integrating technology into language arts (61.2%), integrating technology into math (52%), and videoconferencing (51%). In addition, teachers have expressed interest in being trained in the following areas for which technology can be used effectively: developing students' critical thinking skills (96%), differentiating instruction (80.4%), learning styles and multiple intelligences (75.5%), and project-based learning (68.8%).

## **Monitoring**

The responsibility of monitoring the implementation of the technology action plan falls on the superintendent, building principals, and the district instructional technology specialist. The district and building technology committees will assist in the monitoring process. Results will be communicated within the district through reports given at faculty and school board meetings. Technology committee members will be updated regularly on the status of the implementation process.

The district-level and building technology committees will meet annually prior to the start of the budgeting process to assess progress and determine equipment, training, and other needs to be addressed during the following fiscal year.

The building principals will monitor the implementation of the technology plan on an ongoing basis through teacher classroom observations, survey results, student test scores, and feedback from teachers, students, and parents. A standard form with a checklist and space for comments,

aligned with the major goals of the plan, will be prepared and used to record the status of the process.

## **Evaluation**

Performance criteria for assessing the impact of technology initiatives on educational priorities and performance goals will be established cooperatively by the district administration and instructional technology specialist. We will closely monitor PSSA scores to determine whether progress is being made in meeting the state academic standards.

Data will also be gathered from locally developed and PATI surveys, 4Sight testing, teacher and student feedback, and results from other formal assessments such as technology literacy tests, achievement tests, and the SATs. The district-level technology committee will review the technology plan annually to evaluate progress and amend and update as needed.

All reporting of data will be done through the principals' offices. Results will be communicated to the school board, teachers, and parents through reports at meetings and publication on the district web site.

Our Math and Reading goal is ongoing, and we continue to make progress. Keystone reported the most progress and the most top scores among Clarion County school districts for the 2008-09 school year. We are one of 50 districts in the state to make continuous progress since 2002.

We have also made progress toward our technology goal and strategies. Both our Classrooms for the Future and EETT grants were funded, and all core classrooms in Grades 7-12 now have interactive whiteboards and projection systems. Our new challenge is to equip our elementary classrooms with similar equipment. We continue to maintain or replace peripheral equipment, and our computers are being replaced on a four-year rotation basis. Also, we are now connected to the regional wide-area network with intermediate units 5, 6, and 28. And during the past three years we changed Internet service and email providers; we now contract with Sting Communications.

The Big 6 problem-solving model is being implemented to a degree in the elementary school but has not been adopted at the high school. Our K-12 Technology Scope and Sequence is still a work in progress.

Our staff development is ongoing as well, and our high school teachers have received extensive technology integration training through our EETT and CFF grants. Our elementary teachers receive training on a voluntary basis throughout the school year. Some participate at every opportunity, while others have yet to adopt the best practices. Lack of projectors and other equipment is a hindrance to full-scale tech integration at the elementary school, and we hope to address that deficiency in our updated plan.