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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, December 21, 2009** **(Last Approved: Monday, November 30, 2009)**

**Entity:** Blacklick Valley SD  
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Nanty Glo, PA 15943-1060  
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## **Mission**

Our mission is to provide continuous quality education by being resourceful while addressing the needs of all our students and communities. Utilizing our unique size, we will continue to encourage flexible, creative responses to student strengths and needs.

## **Vision**

In order to improve our chances of effectively addressing our mission statement, in the Blacklick Valley School District, a focus statement was constructed and included in the Mid-Point Progress Report of May 2004. This statement emphasized the importance of using data from the PSSA to make instructional decisions. However, the school district now believes the focus on the PSSA should be expanded to include a variety of indicators of student achievement. Consequently, Blacklick Valley now believes integrated assessments should drive instructional decisions so each student can achieve their maximum potential and realize their dreams. In addition to this focus, the school district vision includes a strong commitment to celebrate what our students do well and what the district sees others doing well. By doing this, we will demonstrate through our actions that parents are valued participants in the educational processes in this small community.

## **Shared Values**

In Blacklick Valley, the community and professional staff demonstrate the importance and centrality of beliefs related to trusting, respecting, expressing personal opinions, cooperating, interacting, and compromising. These intrinsic beliefs are evident in the following specific examples of practices:

- organizing the school so all students can learn.
- working toward the health, safety and well being of the entire community.
- treating learning as a lifelong process.
- recognizing that what we do in school betters the entire community
- providing opportunities for effective family involvement in the school.

## **Needs Assessment**

### **Reflections**

There are currently no reflections selected for this section.

The main focus of the technology plan falls in three areas, using technology to improve the infra structure; address the individual needs of the learner; and promoting parent and community involvement. The district has taken a very active role in striving to accomplish the goals set forth in the previous plan.

Updates have been made to the infra structure to increase mobility of network and Internet access by installing wireless access points throughout the high school and elementary buildings. Partial funding for the equipment and installation came from the Classrooms for the Future Grant the rest was provided through district funds.

With funding from the Classrooms for the Future Grant, the high school was able to purchase 91 student laptops, 13 teacher laptops. Also purchased and installed were 13 interactive whiteboards and ceiling mounted LCD projectors. Additional interactive whiteboards, laptops and projectors were purchased and installed for teachers at the junior/senior high school who were not included in the CFF Grant. Computers in one elementary lab were replaced with laptop computers. Old

equipment is replaced annually. New computers are distributed to labs and classrooms on a first in, first out basis. Computers that are still in good working order are moved to other areas to try and expand student availability and change the student to computer ratio.

The District continues to maintain licensing and use of educationally based software that provide for remediation, enrichment opportunities, meeting graduation requirements, alternatives to classroom instruction and tools for students. Last year the high school put into place a computer monitoring program, Vision, to monitor student's activities on the computers in the library.

The Acceptable Use Policy was revised to insure the proper use of the network and all new technology. It was prepared to comply with today's technology issues as well as some of the problems that may arise in the future.

In order to provide students with the tools necessary to achieve the goals of the state standards and to compete in a technological world, the district will focus in the following goals for the next three years

- To constantly upgrade the infra structure to meet the heavier demands of increasing bandwidth usage.
- To constantly upgrade hardware to meet the demands of newer technological advancements.
- To maintain the use of educationally based software that provides for remediation, enrichment opportunities, meeting graduation requirements, alternatives to classroom instruction and tools for students to meet the state academic standards.
- To improve on ways to enhance the relationship between teacher , parent and student communication and to offer opportunities for developing life learners for all stake holders.
- To provide for the safety of teachers, staff, and students through increased use of technologies for electronic surveillance.
- To provide teacher training on changes in technology, software, Internet applications, and student management systems so that they can enhance their classroom instruction and promote a learning environment and prepare students with 21st Century Skills.

Because of the changing way students learn and the move towards using Web 2.0 tools in the classrooms, the high school is contemplating a pilot one-to-one computing program. Students grade 9 or 10 will be given mini laptops that they will have use of 24/7 throughout the school year and until they graduate. The hope is to continue the efforts of Classrooms for the Future and that within the next three years students will be able to take their laptops with them to class. Teachers can then incorporate into their lessons activities that will include the use of email, blogs, on-line collaborating, and podcasting. Students will also be able to access their textbooks from the internet.

Since technology changes so rapidly, continuous updates of computers and software will be needed each year. At the high school the focus will be on one-to-one computers in grades 9 to 12. Portable labs will be used in classrooms grades 7, 8 & 9. The district will plan on replacing old technology using FIFO method. Software licenses will be updated as new versions are released. The district will also need to renew all of the subscription services for web based email, student performance and remediation programs, online grading systems, and district Web site environment and prepare students with 21st Century skills.

To extend the initiatives of the Classrooms for the Future Grant, classrooms in grades 4 through 6 will be fitted with projectors, interactive white boards, and teacher laptops. An additional laptop lab will be created to provide more

Professional development will focus on the use of Web 2.0 resources, authentic instruction, and managing classrooms with a 1:1 environment.

## Goals and Strategies

### **Goal: 21st Century Skills**

**Description:** By the year 2012, the district will provide students the skills they will need to enter a 21st century workforce through the use of new technology and Web 2.0 tools. The district will monitor the skills of students at the high school level by an annual survey of student proficiency as demonstrated by application of technology skills within the curriculum or the demonstration of skills through verifiable outside school or senior projects.

#### **Strategy: Classroom resources for 21st Century Skills**

**Description:** Use of Web tools that promote 21st Century Skills in the classroom through professional development and redefining classroom instruction.

#### **Activity: Extending CFF Technologies to Grades 4 to 6**

**Description:** Using Federal Stimulus monies to up-date classrooms in grades 4 to 6 with interactive whiteboards, ceiling mounted projectors and teacher laptops to expand 21st Century instructional techniques to the elementary.

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

Carol Kennedy	Start: 1/11/2010 Finish: 1/11/2010	\$22,300.00
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**Status:** In Progress — Upcoming

#### **Date      Comment**

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9/17/2009	Waiting for the release of stimulus monies from government agencies before purchasing and installing equipment.
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#### **Activity: One-to-One Computing for High School**

**Description:** Purchase mini laptops and extended warranties and distribute to tenth grade students. Laptops will be collected at the end of each school year, re-imaged, and returned to students the following year.

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

Carol Kennedy            Start: 12/1/2009            \$90,000.00  
                                 Finish: Ongoing

**Status:** In Progress — Upcoming

**Date            Comment**

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8/12/2009 This is planned for implementation in December of 2009.

### **Activity: Web 2.0 Activities**

**Description:** Integration of Web 2.0 resources such as Discovery Streaming, netTrecker, Thinkfinity, Google Earth, Virtual Field Trips, Skype, Oovoo, Wikispaces, Blogs and Moodles, etc. as classroom tools.

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

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Carol Kennedy            Start: 8/26/2009            \$1,500.00  
                                 Finish: Ongoing

**Status:** In Progress — Upcoming

**Date            Comment**

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8/12/2009 On-going implementation on a classroom by classroom basis as teachers acquire a comfort level with the technology.

## **Goal: EDUCATIONAL SOFTWARE**

**Description:** To maintain the use of educationally based software and subscription services that provide for remediation, enrichment opportunities, meeting graduation requirements, alternatives to classroom instruction and tools for students to meet the state academic standards.

### **Strategy: Software Licenses**

**Description:** To provide students with software programs that can be used as tools for remediation, enrichment, meeting the PSSA requirements and for entering the workforce upon graduation.

### **Activity: Educational Web-based Student Curriculum and Remediation Applications**

**Description:** Provide Internet based learning opportunities by maintaining annual subscriptions to web-based applications such as Plato and Study Island that will provide remediation for

different subject areas, out of school access to robust curriculum and preparation for state achievement tests.

**Person Responsible Timeline for Implementation Resources**

Carol Kennedy	Start: 8/26/2009	\$30,000.00
	Finish: Ongoing	

**Status:** In Progress — Upcoming

**Activity: Software Upgrades & New Purchases**

**Description:** Provide funds to upgrade current software applications like Accelerated Reader, Academy of Reading, Star Math and Reading, Photoshop, and Dreamweaver. Provide funds for the purchase of future newly developed programs.

**Person Responsible Timeline for Implementation Resources**

Carol Kennedy	Start: 1/1/2007	\$80,000.00
	Finish: Ongoing	

**Status:** In Progress — Upcoming

**Goal: IMPROVE COMMUNICATION WITH PARENTS AND COMMUNITY**

**Description:** The Blacklick Valley Faculty, Staff, and Administration will seek opportunities to improve communication with the members of our community and also provide opportunities for parent and community involvement. The district will consistently monitor progress towards this goal by employing an annual update of the performance indicators specified for this goal.

**Strategy:** In an effort to increase student achievement, the district will seek to develop opportunities to promote parent and community participation in the schools.

**Description:** Invitations will be sent to parents and members of the community to participate on district advisory committees and district sponsored events.

**Activity: Communicating Using Social Networking Tools**

**Description:** Using 21st Century communication for video conferencing and net meetings like Skype and Oovoo to connect with students, parents, guest speakers, and peers.

**Person Responsible Timeline for Implementation Resources**

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Havener, Scott            Start: 9/1/2009            -  
   Finish: Ongoing

**Status:** In Progress — Upcoming

**Date            Comment**

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8/12/2009 These tools have provided parents with the ability to speak with teachers directly and to maintain lines of communication. Specific teachers use the resource well and the staff is aware of the potential of the resource. On-going in-service is provided for the staff in this area as a component of the strategic plan

**Activity: District E-mail**

**Description:** District employees have e-mail accounts to use as a basis for communicating within and outside of the district.

**Person Responsible Timeline for Implementation Resources**

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Carol Kennedy            Start: 8/26/2009            -  
   Finish: Ongoing

**Status:** In Progress — Upcoming

**Date            Comment**

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9/17/2009 All staff members have email accounts. This will continue until there is some other medium for communications.

**Activity: Promoting schools and their services.**

**Description:** To promote the school and its services through current technology, ie. phone system, internet lunch service, web page, and use of Internet based surveys and forms.

**Person Responsible Timeline for Implementation Resources**

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Carol Kennedy            Start: 8/20/2009            -  
   Finish: Ongoing

**Status:** In Progress — Upcoming

**Date            Comment**

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8/12/2009 The district wide notification system can be employed for special school events and emergencies. Surveys are conducted employing "survey monkey" to collect data on school related topics.

### **Activity: Student Email Accounts**

**Description:** Obtain and administer student email accounts in the high school. Accounts will be obtained from web-based organizations like Google Apps, ePals, or iTeach who offer free student email accounts.

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

Carol Kennedy	Start: 9/1/2009	-
	Finish: Ongoing	

**Status:** In Progress — Upcoming

#### **Date Comment**

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8/12/2009	Students issued e-mail accounts based upon academic or health needs. Access is limited to meet the academic needs of specific classes.
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## **Goal: INFRASTRUCTURE**

**Description:** To constantly upgrade the infra-structure to meet the heavier demands of expected increased bandwidth usage of 90% total student usage and a 100% increase in network speed and capacity.

### **Strategy: Maintaining and updating LAN**

**Description:** To update and maintain equipment used in the operation of the LAN.

### **Activity: Infrastructure Hardware**

**Description:** Purchases required to maintain, expand and/or update equipment used by the LAN. These would be but not limited to the purchase of switches, routers, servers, cabling, cabinets, wireless access points and anything else needed to improve the performance of the network.

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

Carol Kennedy	Start: 9/1/2009	\$150,000.00
	Finish: Ongoing	

**Status:** In Progress — Upcoming



<b>Date</b>	<b>Comment</b>
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9/17/2009	Upgrading and maintenance of LAN equipment is ongoing.
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## **Goal: NETWORK RESOURCES**

**Description:** The district will combine technology with all aspects of instruction and district operations as to address the individual needs of the learners through a increased use of achievement data analysis and an increase in the availability of instructional software and a corresponding increase in standardized test scores.

### **Strategy: Computer Access**

**Description:** To increase the availability of computer access and network resources to students, staff, and community to accommodate the individual needs of the learner.

### **Activity: Aristotle-Computer Management System**

**Description:** Purchase and maintain annual service fees for a computer management and monitoring system, Aristotle. System monitors use of the computers, Internet, and applications by user login. System will also monitor the use of printing services.

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

Carol Kennedy	Start: 9/1/2009 Finish: Ongoing	\$8,400.00
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**Status:** In Progress — Upcoming

<b>Date</b>	<b>Comment</b>
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8/12/2009	The system is currently being implemented and monitored by the technology coordinator. System allows the school system to track on-task student usage of programs. The systems allows the administration to track notifications of e-mails.
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### **Activity: Sting - Internet Connection**

**Description:** To maintain wireless Internet services with Sting Corporation.

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

Carol Kennedy	Start: 1/1/2007 Finish: Ongoing	\$133,200.00
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**Status:** In Progress — Upcoming

### **Activity: Updating or Replacing Building Printers**

**Description:** Update or replace printers in school libraries and computer labs with photo copiers. Also purchase new color copier.

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

Carol Kennedy	Start: 12/6/2010 Finish: 5/31/2011	\$15,000.00
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**Status:** In Progress — Upcoming

#### **Date Comment**

8/12/2009 Replacements are provided for on an as-needed basis and as the budget allows.

### **Activity: Upgrade Computers**

**Description:** To annually replace outdated computers using first-in, first-out method.

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

Carol Kennedy	Start: 1/1/2010 Finish: Ongoing	\$60,000.00
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**Status:** In Progress — Upcoming

### **Strategy: Maintenance and Servicing of District Network**

**Description:** In order to keep the district network operating properly, the district will contract services of network technicians. Technicians will provide services to make repairs, monitor information and data flow and install server software and updates.

### **Activity: Network Maintenance Services**

**Description:** Purchase contracted services of third party technicians to repair, update, and maintain the district network and its servers.

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

Carol Kennedy	Start: 9/1/2009 Finish: Ongoing	\$9,000.00
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**Status:** In Progress — Upcoming

Date	Comment
9/17/2009	These services are for maintenance and installations that are beyond the expertise of in-house staff.

## **Strategy: Software and Subscription Services**

**Description:** To provide students and teachers with computer programs and on-line learning resources to enrich the curriculum, and meet the educational needs of all learners.

### **Activity: Classroll.com**

**Description:** Pay for annual subscription to Classroll.com, a web based grade book service for the high school and elementary.

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

Carol Kennedy	Start: 8/26/2009 Finish: Ongoing	\$12,300.00
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**Status:** In Progress — Upcoming

### **Activity: Email Archiving**

**Description:** Subscribing to a service that archives district employee email.

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

Carol Kennedy	Start: 1/30/2010 Finish: Ongoing	-
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**Status:** In Progress — Upcoming

Date	Comment
8/12/2009	In operation as part of the "Gaggle" e-mail system.

### **Activity: Gaggle.net - District Email**

**Description:** Maintain subscription to Gaggle.net for staff. Gaggle.net is an Internet based email service. It is used for in-house communications as well as parental contact.

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

Carol Kennedy	Start: 9/1/2009 Finish: Ongoing	\$1,578.00
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**Status:** In Progress — Upcoming

### **Activity: License Based Software For Network Operations**

**Description:** Purchase annual licenses and upgrades for Microsoft Office and Microsoft Operating System, Novell Operating system, Sophos Anti-Virus, Barracuda Web filtering, and Barracuda Back-up Services. Also purchase Symantac Ghost licenses for new computers when purchased.

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

Carol Kennedy	Start: 9/1/2009 Finish: Ongoing	\$90,000.00
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**Status:** In Progress — Upcoming

### **Activity: MMS-Student Management System**

**Description:** Maintain annual software license for MMS (Modular Management System). This student management system provides grade reporting, keeps demographic information, and data for state reporting.

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

McDermott, Michael	Start: 1/1/2007 Finish: Ongoing	\$10,500.00
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**Status:** In Progress — Upcoming

### **Activity: School Wires - District Web Site**

**Description:** Pay for annual subscription to SchoolWires, a third-party webpage editor for staff.

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

Carol Kennedy	Start: 1/1/2007 Finish: Ongoing	\$8,259.00
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**Status:** In Progress — Upcoming

# Goal: PROFESSIONAL EDUCATION

**Description:** By the year 2014, The Blacklick Valley School District will provide all district employees with opportunities designed to help strengthen individual skills and abilities. The district will monitor progress towards this goal via an annual survey of CPR training, use of inclusionary practice and the provision of technology training for the instructional staff.

## Strategy: Technology Training

**Description:** To provide teacher training on changes in technology, software, Internet applications, and student management systems so that they can enhance their classroom instruction and promote a learning environment.

## Activity: Teacher Technology and the Use of 21st Century Tools in the Classroom Training

**Description:** Provide teachers training on new programs or existing software updates and enhancements and to provide workshops and seminars to teachers on the use of Web 2.0 resources, Interactive Whiteboards, student response pads, and one-to-one computing in the classroom in order to provide classroom instructional strategies to promote 21st Century Skills.

Person Responsible	Timeline for Implementation	Resources
Carol Kennedy	Start: 9/1/2009 Finish: 5/30/2013	\$20,000.00

### Professional Development Activity Information

Number of Hours Per Session	Total Number of Sessions Per School Year	Estimated Number of Participants Per Year
1.00	3	30
Organization or Institution Name	Type of Provider	Provider's Department of Education Approval Status
Blacklick Valley School District	<ul style="list-style-type: none"> <li>School Entity</li> </ul>	Approved

Knowledge and Skills	Research and Best Practices	Designed to Accomplish
Educators will learn to incorporate 21st Century tools into classroom instruction. Tools such as interactive white boards, Web 2.0, student response pads and teaching with one-to-one student laptops in the classroom.		<p><i>For classroom teachers, school counselors and education specialists:</i></p> <ul style="list-style-type: none"> <li>Increases the educator's <u>teaching skills</u> based on</li> </ul>

research on effective practice, with attention given to interventions for struggling students.

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

Role	Grade Level
<ul style="list-style-type: none"> <li>Classroom teachers</li> </ul>	<ul style="list-style-type: none"> <li>High school (grades 9-12)</li> </ul>

Follow-up Activities	Evaluation Methods
<ul style="list-style-type: none"> <li>Creating lessons to meet varied student learning styles</li> <li>Peer-to-peer lesson discussions</li> <li>Lesson modeling with mentoring</li> </ul>	<ul style="list-style-type: none"> <li>Classroom observation focusing on factors such as planning and preparation, knowledge of content, pedagogy and standards, classroom environment, instructional delivery and professionalism.</li> <li>Classroom student assessment data</li> <li>Participant survey</li> </ul>

**Status:** In Progress — Upcoming

Date	Comment
8/12/2009	The CFF grant has provided the impetus for these resources. The technology coordinator will continue workshops throughout the school year.

**Goal: SAFETY AND SURVEILLANCE**

**Description:** To provide for the safety of teachers, staff, and students through a 100% increase of the usage of electronic surveillance equipment in the district.

**Strategy: Internet Safety Curriculum**

**Description:** Incorporate units on Internet safety and cyber bullying into the K-12 curriculum.

**Activity: K-12 Internet safety/awareness curriculum**

**Description:** Incorporate a unit on internet safety/awareness into the k-12 curriculum using age appropriate materials from organizations like NetSmartz and NetSafe.

**Person Responsible Timeline for Implementation Resources**

Carol Kennedy	Start: 8/20/2009 Finish: Ongoing	-
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**Status:** In Progress — Upcoming

<b>Date</b>	<b>Comment</b>
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8/12/2009	As part of the orientation, a session has been dedicated to the safe use of the internet and the safeguards that exist in the school. This session is provided specifically for parents.
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### **Strategy: Surveillance Technology**

**Description:** Using networking and computer technology to broaden the surveillance areas inside and outside of the buildings.

#### **Activity: Surveillance Cameras**

**Description:** Purchase additional cameras for both elementary and high school to enable a broader range of views inside and outside the buildings.

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

Lansberry, Luke	Start: 1/1/2007 Finish: Ongoing	\$15,000.00
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**Status:** In Progress — Upcoming

<b>Date</b>	<b>Comment</b>
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9/17/2009	Will add cameras as needed.
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3/18/2009	Cameras and surveillance System is installed and working well.
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### **Budget**

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

<b>Funding Source</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>
010 - ADMINISTRATIVE BUDGET	\$230,712.00	\$188,412.00	\$188,412.00	\$607,536.00
eRATE	\$19,067.00	\$19,067.00	\$19,067.00	\$57,201.00
<b>Grand Total</b>	<b>\$249,779.00</b>	<b>\$207,479.00</b>	<b>\$207,479.00</b>	<b>\$664,737.00</b>

#### **Goal: 21st Century Skills**

By the year 2012, the district will provide students the skills they will need to enter a 21st century workforce through the use of new technology and Web 2.0 tools. The district will monitor the skills of students at the high school level by an annual survey of student proficiency as demonstrated by application of technology skills within the curriculum or the demonstration of skills through verifiable outside school or senior projects.

<b>Classroom resources for 21st Century Skills</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>	<b>Funding Source</b>
Extending CFF Technologies to Grades 4 to 6	\$22,300.00	\$0.00	\$0.00	\$22,300.00	010 - ADMINISTRATIVE BUDGET
One-to-One Computing for High School	\$30,000.00	\$30,000.00	\$30,000.00	\$90,000.00	010 - ADMINISTRATIVE BUDGET
Web 2.0 Activities	\$500.00	\$500.00	\$500.00	\$1,500.00	010 - ADMINISTRATIVE BUDGET
<b>Subtotal</b>	<b>\$52,800.00</b>	<b>\$30,500.00</b>	<b>\$30,500.00</b>	<b>\$113,800.00</b>	

**Goal: EDUCATIONAL SOFTWARE**

To maintain the use of educationally based software and subscription services that provide for remediation, enrichment opportunities, meeting graduation requirements, alternatives to classroom instruction and tools for students to meet the state academic standards.

<b>Software Licenses</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>	<b>Funding Source</b>
Educational Web-based Student Curriculum and Remediation Applications	\$10,000.00	\$10,000.00	\$10,000.00	\$30,000.00	010 - ADMINISTRATIVE BUDGET
<b>Subtotal</b>	<b>\$10,000.00</b>	<b>\$10,000.00</b>	<b>\$10,000.00</b>	<b>\$30,000.00</b>	

**Goal: INFRASTRUCTURE**

To constantly upgrade the infra-structure to meet the heavier demands of expected increased bandwidth usage of 90% total student usage and a 100% increase in network speed and capacity.

<b>Maintaining and updating LAN</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>	<b>Funding Source</b>
Infrastructure Hardware	\$50,000.00	\$50,000.00	\$50,000.00	\$150,000.00	010 - ADMINISTRATIVE BUDGET
<b>Subtotal</b>	<b>\$50,000.00</b>	<b>\$50,000.00</b>	<b>\$50,000.00</b>	<b>\$150,000.00</b>	

**Goal: NETWORK RESOURCES**

The district will combine technology with all aspects of instruction and district operations as to address the individual needs of the learners through a increased use of achievement data analysis and an increase in the availability of instructional software and a corresponding increase in standardized test scores.

<b>Computer Access</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>	<b>Funding Source</b>
Aristotle-Computer Management System	\$2,800.00	\$2,800.00	\$2,800.00	\$8,400.00	010 - ADMINISTRATIVE BUDGET
Sting - Internet Connection	\$26,400.00	\$26,400.00	\$26,400.00	\$79,200.00	010 - ADMINISTRATIVE BUDGET



Sting - Internet Connection	\$18,000.00	\$18,000.00	\$18,000.00	\$54,000.00	eRATE
Updating or Replacing Building Printers	\$5,000.00	\$5,000.00	\$5,000.00	\$15,000.00	010 - ADMINISTRATIVE BUDGET
Upgrade Computers	\$20,000.00	\$20,000.00	\$20,000.00	\$60,000.00	010 - ADMINISTRATIVE BUDGET

<b>Maintenance and Servicing of District Network</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>	<b>Funding Source</b>
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Network Maintenance Services	\$3,000.00	\$3,000.00	\$3,000.00	\$9,000.00	010 - ADMINISTRATIVE BUDGET
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<b>Software and Subscription Services</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>	<b>Funding Source</b>
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Gaggle.net - District Email	\$112.00	\$112.00	\$112.00	\$336.00	010 - ADMINISTRATIVE BUDGET
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Gaggle.net - District Email	\$414.00	\$414.00	\$414.00	\$1,242.00	eRATE
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License Based Software For Network Operations	\$30,000.00	\$30,000.00	\$30,000.00	\$90,000.00	010 - ADMINISTRATIVE BUDGET
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MMS-Student Management System	\$3,500.00	\$3,500.00	\$3,500.00	\$10,500.00	010 - ADMINISTRATIVE BUDGET
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School Wires - District Web Site	\$2,100.00	\$2,100.00	\$2,100.00	\$6,300.00	010 - ADMINISTRATIVE BUDGET
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School Wires - District Web Site	\$653.00	\$653.00	\$653.00	\$1,959.00	eRATE
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<b>Subtotal</b>	<b>\$111,979.00</b>	<b>\$111,979.00</b>	<b>\$111,979.00</b>	<b>\$335,937.00</b>	
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**Goal: PROFESSIONAL EDUCATION**

By the year 2014, The Blacklick Valley School District will provide all district employees with opportunities designed to help strengthen individual skills and abilities. The district will monitor progress towards this goal via an annual survey of CPR training, use of inclusionary practice and the provision of technology training for the instructional staff.

<b>Technology Training</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>	<b>Funding Source</b>
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Teacher Technology and the Use of 21st Century Tools in the Classroom Training	\$20,000.00	\$0.00	\$0.00	\$20,000.00	010 - ADMINISTRATIVE BUDGET
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<b>Subtotal</b>	<b>\$20,000.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$20,000.00</b>	
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**Goal: SAFETY AND SURVEILLANCE**

To provide for the safety of teachers, staff, and students through a 100% increase of the usage of electronic surveillance equipment in the district.

<b>Surveillance Technology</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>	<b>Total</b>	<b>Funding Source</b>
Surveillance Cameras	\$5,000.00	\$5,000.00	\$5,000.00	\$15,000.00	010 - ADMINISTRATIVE BUDGET
<b>Subtotal</b>	<b>\$5,000.00</b>	<b>\$5,000.00</b>	<b>\$5,000.00</b>	<b>\$15,000.00</b>	
<b>Grand Total</b>	<b>\$249,779.00</b>	<b>\$207,479.00</b>	<b>\$207,479.00</b>	<b>\$664,737.00</b>	

## Staff Development

Teachers and staff will be provided with training for any new software, updates on existing software, and new types of technology they might use for instruction, classroom management, or student achievement including 21st Century Skills. Updates on student management systems, grade book and email programs will be given to all district teachers and staff. Training for subject specific technologies would be provided to all individuals associated with the technology. Training sessions will be coordinated by technology coordinator and other district staff. The training will be done during in-service days, after school workshops, day-long sessions held by the IU, universities, and product vendors. Training will be done either in house or at other sites.

The district will reserve two In-service days a year for technology professional development. Additional time will be scheduled during other In-service and Act 80 days if technology needs change throughout the year. The district will train using various resources including but not limited to: Train-the-trainer, vendor trainers, IU8 staff or other knowledgeable staff in the district. The district will also do unscheduled training if the need occurs because of new software, instructional equipment, or Internet learning resources.

Monies will be provided for staff to attend workshops, conferences and seminars associated with technology that would enhance the use of technology in the classroom.

To provide teachers with resources to encourage the use of technology in the classroom, the district will continue to expand the amount of available hardware. The district is continuing the efforts of Classrooms for the Future by installing projectors, interactive whiteboards into elementary classrooms starting grades 4 to 6 so that teachers can use presentation software, streaming video, and white/SMART board capabilities in their instruction.

Time is also available in the mornings and afternoons for teachers and staff to meet with technology savvy peers who will help them to use technology tools to aid in their instruction.

## **Monitoring**

Administrators and technology team will annually review the technology plan to see if it has met the objectives in relationship to the strategic plan. The technology team will periodically seek input from teachers to see if hardware, software, and network resources used to enrich the curriculum, are meeting the needs of the students by surveying faculty and staff. Surveys will be given at the beginning, mid-point and end of the school year. These surveys will be used to determine staff training and equipment needs. The team will also collect data by looking at total time spent by faculty and students in the computer labs and libraries. This data will indicate and drive the updating of software and hardware in the labs.

Administrators and Technology Team will also review the network infrastructure and WAN to make sure it is operating efficiently. At this time it will be determined if the purchase of additional equipment, ISP services, and storage space will be required. Administrators will analyze data such as grades, test scores, and academic improvement and receive feedback from teachers to see if the use of technology has had an impact on student learning.

## **Evaluation**

Evaluation of the plan requires an ongoing review to make sure that the goals and strategies mentioned in the plan is meeting the goals set forth by the Strategic Plan. As in the past, we have found that many of the technological resources that we use are valuable and well suited to meeting the individual needs of the students. The use of these technologies will be continued throughout the life of the plan and those that are no longer pertinent will be dropped. We will seek input from teachers, staff, students and administrators to see if there need to be any changes.

The past plan's goals focused on three main areas, using technology to improve the infrastructure; address the individual needs of the learner; and promoting parent involvement. The district has taken a very active role in striving to accomplish the goals set forth in the previous plan. Updates have been made to the infrastructure by installing wireless access points throughout the high school and elementary buildings. Old equipment is replaced annually. Classrooms for the Future allowed the addition of four portable laptop labs at the high school along with installation of projectors and interactive whiteboards in 13 classrooms classrooms that qualified grades 9-12. Core subject junior high teachers' classrooms were also fitted with the same equipment through district funds.

District has maintained licensing of software programs that help students meet the Pennsylvania Standards. The district has maintained its online gradebook, Barracuda Web Filtering and backup, and web page subscriptions.

The benefits that were gained from the plan exceeded our expectations. Especially with the equipment received from the Classrooms for the Future Grant, more teachers are using the Internet and technology in the classroom. Through the use of Internet based learning resources

like Plato and Study Island, we are able to accommodate all learning styles so that students are prepared to meet the state academic standards.

Since the last plan, we have added an online cafeteria site where parents can pay for student lunches by use of a credit card.

We have continued our partnership with the IU8 and Sting Corporation in continuous efforts to improve our bandwidth and Internet access. This partnership has offered many academic resources to participating schools. Teachers have access to Discovery Learning, Netteker, Emission, and many video conferencing opportunities.