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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** **November 27, 2007**

**Entity:** Bellefonte Area School District

**Address:** 318 North Allegheny Street  
Bellefonte, PA 16823-1613

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**Contact Name:** Dr. James T. Masullo, Jr.

# Core Purpose

## Mission

*Inspiring Today's Learners for Tomorrow's Challenges*

## Vision

Working collaboratively, we inspire a passion for learning, a commitment to excellence, and a respect for individuals and diversity as we prepare our students to face ever-changing global demands.

- Our schools have safe, healthy, respectful, and intellectually stimulating environments where students feel motivated to participate.
- Our schools are student-centered, research and data driven, and future focused.
- Our successes and challenges are used as a catalyst for future growth, change, and improvement.
- Our curriculum, instruction, and assessment are continually evolving to ensure alignment with academic standards and use of best instructional and assessment practices.
- Our district utilizes state-of-the-art technology in order to make learning opportunities available and accessible to all members of the learning community.
- Our personnel demonstrate a passion for teaching and learning, a commitment to personal growth and a respect for individuals.
- Our District advocates and nurtures a climate conducive to student learning and staff professional growth by building leadership capacity throughout the system.
- Our District provides facilities and resources that support educational programming, Pre-K through Adult.
- Our parents, schools, and community work together to provide well-rounded educational opportunities.

## Shared Values

Beliefs, what we believe, what we think is important, what we honor and therefore how we do things.

### **About Students and Learning, the Bellefonte Area School District believes that:**

- All students can achieve, given appropriate and supportive environments.
- Learners need to feel safe, secure, and included.
- Students bring diverse backgrounds requiring differentiated approaches to teaching and learning.
- Student growth and achievement takes place not only in the academic arena but also in social, physical, and emotional contexts.

### **About Teachers and Teaching, the Bellefonte Area School District believes that:**

- Classroom instruction must be engaging, challenging, purposeful, and relevant.
- Effective educators employ best practices and nurture a culture conducive to student learning and continuous professional growth.
- Student assessment data should drive instructional decisions.

### **About Learning Communities, the Bellefonte Area School District believes that:**

- Everyone has worth and deserves to be treated with dignity and respect.
- A positive learning environment is necessary for learning to occur.
- Education is enhanced when there is collaboration, open communication, and shared responsibility among stakeholders; students, parents, faculty, staff, administrators, school board, and community members.

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## Needs Assessment

Bellefonte Area School District is comprised of one high speed WAN. All eight buildings within the district are part of the LAN. Within the LAN there are essentially eight virtual LANs. The buildings are connected via fiber optical cabling and all connected to a Cisco 6506 switch. The buildings are separated into virtual LANs for management purposes. All the virtual LANs in this configuration operate at a speed of 1GB. Every computer in the school district accesses the internet through the district's Secure Computing web filtering server. Currently district access to the Internet is via a shared 150MB connection. The Bellefonte Area School District is provided a guaranteed speed of 20MB. Additionally, classroom and lab computers are monitored by a classroom aide or instructor. The use of Windows Server 2003 and Windows Xp software allows additional measures for tracking computer usage.

For telecommunications services the entire district is operated off of a centrally located PBX. Every classroom in the district is provided with telephone service. Every staff member in the district is provided with voicemail.

District instructional and non-instructional technology specialists attend conferences, workshops, and events where they can network with their peers in order to stay abreast of current trends in technology. Individuals attending such events share what they have learned at district Technology Committee meetings.

An assessment of the needs of the Bellefonte Area School District, its professional educators, students, and community was conducted during the 2006 — 2007 school year. The data were analyzed by the Strategic Planning Committee and BASD Technology Committee and used to formulate goals, strategies, and action plans designed to achieve the goals adopted in the 2007 — 2013 Chapter 4 Strategic Plan and 2008 — 2011 Educational Technology Plan.

In February 2007 an on-line parent survey was conducted by the district. Parents were given the opportunity to complete a paper-version of the survey, as well. Results of the 2007 Parent Perceptual Survey indicate the following:

- 98% of parents reported having a computer in the home.
- 98% of parents reported having internet access in the home.
- 72% of parents reported having Broadband internet access at home.
- 28% of parents reported having dial-up internet access at home.
- 75% of parents believe that the use of technology at school contributes to their child's academic success
- 74% of parents believe that the school uses technology to support and/or enrich their child's learning.
- 20% of parents listed technology as one of the district's strengths in an open-ended response question that asked parents to list 3 district strengths.
- Parents listed the following weaknesses in the technology area in their responses to an open-ended response question that asked parents to list 3 district weaknesses:
  - More computer labs are needed
  - Better classroom use of district's technology is needed
  - There needs to be a greater emphasis on web-based learning
  - School computers need to be available in the evening

In February 2007 the district conducted an on-line survey of middle and high school students.

Results of the 2007 High School Student Survey indicate that:

- 76% of high school students feel ready for the real world with reference to their technology skills.
- 81% of high school students reported that they utilize computers less than 40% of the time they are in class (43% reported that they utilize computers less than 20% of the time).

Results of the 2007 Middle School Student Survey indicate that:

- 86% of middle school students feel confident about their ability to use a computer to learn.

In February 2007 the district conducted an on-line survey of professional staff.

The results of the 2007 Professional Staff Survey indicate that:

- 85% of professional staff members believe that student achievement can increase through the use of varied technologies.
- 83% of professional staff members believe that student achievement can increase through the use of computers.
- 84% of professional staff members believe that the use of technology has made them more effective in their jobs.
- 81% of professional staff members believe that innovation is encouraged in the district.

In the spring of 2007 the District's Technology Committee completed a needs assessment. The results of the Bellefonte Area School District's Technology Committee's Needs Assessment indicate that:

- There is a need for additional instructional technology support for teachers.
- The computer labs in the elementary and middle schools are scheduled to capacity. While this indicates tremendous usage on the part of teachers, the result actually limits the amount of time that students and classes can spend in the labs. Students can not be scheduled as often as teachers would like and some classes cannot be scheduled at all.
- There is a greater demand for the use of multi-media projectors than there is a supply. In addition, some projectors are in need of replacement.
- A K-12 articulated and aligned technology curriculum, including Internet safety and established grade level core competencies, does not exist.
- A description of professional technology core competencies for instructional staff does not exist.
- There is an increased need for using assistive technology across the district.
- There is a desire by teachers and administrators to increase the levels of student interactivity in the classroom utilizing technological advances.
- There is no established process/procedure/instrument for evaluating the Technology Coordinators.
- The procedure for evaluating and adopting instructional software has not been updated in many years.
- There are an insufficient number of wireless access points in buildings across the district.
- There are an insufficient number of printers at the secondary level.

## Goals and Strategies

### Goal: COMMUNICATIONS

*Description:* Develop and implement a comprehensive communications plan, both internal and external, for keeping all district and community stakeholders informed and involved.

#### Strategy: Communicate Strategic Plan

*Description:* Communicate the goals, strategies, and action plans of the 2007 - 2013 Strategic Plan to all district employees in order to ensure the successful implementation of the plan.

Activity	Description	
Strategic Plan on District Website	Strategic Plan documents placed on the district website.	
Person Responsible	Timeline for Implementation	Resources
Director of Information Services	Start: 9/4/2007 Finish: 9/4/2007	\$0.00

#### Strategy: Parent Communications

*Description:* Improve parent communication via technology.

Activity	Description	
District Portal for Parent Access	Establish a committee made up of District Technology Committee members and parents to explore options for improving parent communication through technologies initiatives (i.e. parental access to progress reports and grades via district website). Establish a portal on district website so that parents can access information about their children (grades, attendance, discipline records, etc.)	
Person Responsible	Timeline for Implementation	Resources
Director of Information Services	Start: 1/2/2008 Finish: 6/30/2009	\$60,000.00

Activity	Description	
Email Subscriber Campaign	Initiate and promote an email subscriber campaign.	
Person Responsible	Timeline for Implementation	Resources
Director of Information Services	Start: 10/2/2007 Finish: 6/30/2011	\$0.00

#### Strategy: Promote and Market District

*Description:* Promote and market the district by: developing marketing/promotion skills in all staff members, providing a complete and up-to-date on-line calendar, developing promotional videos, installing an electronic billboard and by providing parents with informational videos.

Activity	Description	
District Events Calendar	Develop an expanded District Information/Announcements/Calendar of Events on the district website through a collaborative effort among the Technology Department, Human Resources, Webmaster, Athletic Director, Director of Buildings and Grounds, and Building Principals.	
Person Responsible	Timeline for Implementation	Resources
Director of Information Services	Start: 9/4/2007 Finish: 6/28/2013	\$6,000.00

Activity	Description	
District Promotional DVD's	Produce a promotional DVD through the collaborative efforts of the Technology Department, High School, and Middle School Video Production Teachers, and High School/Middle School Video Productions students and distribute to area realty companies, area employers, CBICC, and for use as Public Service Announcements.	
Person Responsible	Timeline for Implementation	Resources
Director of Information Services	Start: 1/2/2008 Finish: 6/30/2011	\$1,500.00

Activity	Description	
Informational and Transition Videos	Produce informative videos that focus on transitions within the district (prek to K - "A Day in the Life of a Kindergartener"; grade 5 to grade 6 - "A Day in the Life of a 6th Grader"; grade 8 to grade 9 - "A Day in the Life of a High School Student"; and high school to adult). Provide parents with a DVD when their children approach "transitions" within the district or when they enroll their children in the district. Place videos as streaming video on district website.	
Person Responsible	Timeline for Implementation	Resources
Director of Information Services	Start: 1/2/2008 Finish: 6/30/2011	\$1,500.00

**Goal: CURRICULUM, INSTRUCTION, AND ASSESSMENT**

*Description:* By 2013 at least 90% of all students will achieve proficiency in all curricular areas, as measured by District assessments aligned with state or national standards in all curricular areas.

**Strategy: Access to Instructional Technology and Services**

*Description:* Providing access to up-to-date instructional technology and services equitably across the district by: having a replacement plan for district computers, printers, and multi-media projectors; increasing wireless access points; providing additional printers and projectors where needed; and ensuring that all instructional staff have access to quality support from technology coordinators and trainers.

<b>Activity</b>	<b>Description</b>	
Additional Printers	Add printers in the secondary schools.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 7/1/2008 Finish: 6/28/2011	\$5,000.00
<b>Activity</b>	<b>Description</b>	
Adoption of New Instructional Software	Develop and implement a procedure for evaluating and adopting instructional software.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Curriculum and Instruction	Start: 7/1/2008 Finish: 6/28/2011	\$0.00
<b>Activity</b>	<b>Description</b>	
Computer Replacement Cycle for District Administrators	Year 3: Replace Elementary Notebook Units (5 administrators); Replace 15 Central Office Notebook Units (15)	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 7/1/2010 Finish: 6/30/2011	\$20,000.00
<b>Activity</b>	<b>Description</b>	
Computer Replacement Cycle for Elementary School Music Mini-labs	Replace 4 workstations in each elementary music room (16 total) and at the music lab in the High School (14 total). These units are more advanced work stations for meeting music software curriculum needs.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Instructional Technology	Start: 7/1/2008 Finish: 6/28/2011	\$35,000.00
<b>Activity</b>	<b>Description</b>	
Computer Replacement Cycle for Elementary Schools	Year 2: Replace 6 computer labs (150 units) Year 3: Replace Elementary Notebook Computers (70 units)	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 7/1/2009 Finish: 6/30/2011	\$197,500.00
<b>Activity</b>	<b>Description</b>	
Computer Replacement Cycle for High School	Year 1: Replace Labs B and C; Library Units (90); CAD Lab (15 units); Business Lab (30 units) Year 2: Replace Foundations of Technology Classroom Units (15) Year 3: Replace Special Education Notebook Units (15); Replace Lab A (30 units)	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 7/1/2008 Finish: 6/30/2011	\$191,500.00
<b>Activity</b>	<b>Description</b>	
Computer Replacement Cycle for Middle School	Year 1: Replace labs A and B (60 units) Year 2: Replace lab C (30 units) Year 3 Replace Special Education Laptops (15); Replace Library units (30)	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 7/1/2008 Finish: 6/30/2011	\$115,000.00

<b>Activity</b>	<b>Description</b>	
Evaluation of Technology Coordinators and Trainers	Develop and establish a process, procedure, and instrument for evaluating the Technology Coordinators and Trainers for the purposes of: (1) professional growth of the coordinators and trainers and (2) providing the best services possible for professional staff.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Instructional Technology	Start: 7/1/2008 Finish: 6/28/2011	\$0.00
<b>Activity</b>	<b>Description</b>	
Increase opportunities for students, parents, and community members to access district libraries and instructional technology.	Increase opportunities for students, parents, and community members to utilize district libraries and access district instructional technology. Establish a task force charged with: 1. Conducting a needs assessment to determine the level of need for extended library hours and increased access to district instructional technology; 2. Exploring the possibility of entering into a partnership with the Bellefonte Branch of the Centre County Library; 3. Developing a plan to address the needs identified in the needs assessment. 4. Submitting the plan to the School Board for their approval.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Instructional Technology	Start: 7/1/2008 Finish: 6/30/2010	\$30,000.00
<b>Activity</b>	<b>Description</b>	
Increase Wireless Access Points	Add wireless access points to buildings as feasible.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 7/1/2008 Finish: 6/30/2011	\$15,000.00
<b>Activity</b>	<b>Description</b>	
Investigate Emerging Technologies	Ongoing investigation of the effectiveness and applicability of emerging technologies for their student achievement potential in order to provide students with optimum learning experiences.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 7/1/2008 Finish: 6/30/2011	\$15,000.00
<b>Activity</b>	<b>Description</b>	
Standard Information Format (SIF)	Investigate and implement Standard Information Format (SIF) hardware and software across the district to enable systems to interface with one another.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 10/1/2008 Finish: 6/28/2010	\$20,000.00
<b>Activity</b>	<b>Description</b>	
Student Web-Portal	Establish a student web-portal to provide access to district resources for students.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 10/1/2008 Finish: 6/28/2010	\$5,000.00
<b>Activity</b>	<b>Description</b>	
Video Media Program at High School	Upgrade computer hardware and software for video and audio editing purposes.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 1/1/2008 Finish: 6/30/2011	\$10,000.00
<b>Activity</b>	<b>Description</b>	
Wireless Mobile Computer Lab	Recycle used laptop computers for use as a mobile computer lab at the Middle School.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Information Services	Start: 7/1/2009 Finish: 1/29/2010	\$3000.00

**Strategy: Alternative Education Options**

*Description:* Identify and develop a range of educational options pre-k through grade 12 to better meet the needs of all children (intellectually, socially, emotionally, culturally, and physically).

Activity	Description	
Expand Alternative Education Options Available in the District	Establish a committee to study and develop a plan to expand Alternative Education programming in the District at all levels (including on-line learning, distance learning, cyber charter school, etc.)	
Person Responsible	Timeline for Implementation	Resources
Superintendent	Start: 7/1/2008 Finish: 6/30/2010	\$54,000.00

**Strategy: Curriculum Alignment**

*Description:* Build and implement standards-aligned K - 12 curricula that are rigorous, integrated, and aligned both horizontally and vertically. Develop a system of local assessment to determine the degree to which individual students are attaining proficiency in the academic standards in all content areas at each grade level and provide targeted assistance for non-proficient students and enriched learning experiences for those demonstrating proficiency.

Activity	Description	
Curriculum Alignment Initiative	Map the current taught curriculum in order to examine the degree to which it is aligned to state and national standards and is consistent across grade levels/courses and articulated between grade levels (eliminate gaps and redundancies). Establish in each content area core content and skills (what students should know and be able to do), including technology content and skills (K-12).	
Person Responsible	Timeline for Implementation	Resources
Director of Curriculum and Instruction	Start: 10/1/2007 Finish: 6/28/2013	\$120,000.00
Activity	Description	
Progress Monitoring	Develop and implement a system for teachers and students to document student progress towards mastery of benchmarks and standards for each grade level and course using handhelds and other technologies.	
Person Responsible	Timeline for Implementation	Resources
Director of Curriculum and Instruction	Start: 9/4/2007 Finish: 6/28/2013	\$75,000.00

**Strategy: Data**

*Description:* Utilize data and research to assess and evaluate student performance and to improve student achievement.

Activity	Description	
Student Data Management System	Update student data management system. Establish a committee made up of district Technology Committee members, administrators, and appropriate support staff to evaluate various student management software applications with data analysis capabilities and to recommend updated software, if appropriate.	
Person Responsible	Timeline for Implementation	Resources
Director of Information Services	Start: 9/3/2007 Finish: 5/29/2009	\$79,000.00

**Strategy: Effective and Engaging Instruction**

*Description:* Provide effective and engaging instruction utilizing research-based "best practices" and the integration of instructional technology.

Activity	Description	
Assistive Technology for Meeting the Needs of Diverse Learners	<p>Purchase video MP3 players to use to meet the needs of diverse learners (those not meeting proficiency targets).                      Year 1 — Purchase approximately 20 MP3 players and peripherals (\$6000 cost) for use by district tech trainers. Provide training on effective use. Tech trainers will be expected to model use in their buildings.                      Year 2 — Purchase approximately 20 additional video MP3 players (\$6000) to expand initiative to interested special education teachers and other teachers. Teachers must apply to be selected to receive a video MP3 player and participate in professional development on effective classroom usage.                      Year 3 — Purchase approximately 20 additional video MP 3 players (\$6000) to expand initiative. Teachers must apply to be selected and participate in professional development on effective classroom usage. Priority will be given to those who work with "at risk" or academically needy students.</p>	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Instructional Technology	Start: 7/1/2008 Finish: 6/30/2011	\$18,000.00
Activity	Description	
Instructional Technology for Increasing Student Interactivity	<p>Purchase electronic student response systems to be used for teachers to collect immediate formative assessment information.                      Year 1 — Purchase approximately 25 classroom sets (\$20,000) for use by district tech trainers. Extra classroom sets will be distributed equally among the buildings to individuals selected through an application process. Provide training on effective use. Tech trainers will be expected to model use in their buildings.                      Year 2 — Purchase approximately 25 classroom sets (\$20,000) to expand initiative to interested teachers. Teachers must apply to be selected and participate in professional development on effective classroom usage. Teacher selection will be distributed equally among the buildings.                      Year 3 — Purchase approximately 25 classroom sets (\$20,000) to expand initiative to interested teachers. Teachers must apply to be selected and participate in professional development on effective classroom usage. Teacher selection will be distributed equally among the buildings.</p>	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Instructional Technology	Start: 7/1/2008 Finish: 6/28/2011	\$60,000.00
Activity	Description	
K-12 Instructional Technology Specialist	<p>Create the professional teaching position of K-12 Instructional Technology Specialist. This person would provide ongoing professional development for teachers on the application of instructional technology in their classrooms, be the district's expert in adopted instructional software applications, coordinate the district's three tech coordinators, and coordinate the district's future on-line/cyber school implementation efforts.</p>	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Instructional Technology	Start: 7/1/2008 Finish: 6/28/2011	\$227,280.00
Activity	Description	
Professional Staff Core Competencies	<ol style="list-style-type: none"> <li>1. Identify core competencies expected of all staff to insure alignment with a standards-aligned system (including instructional technology competencies).</li> <li>2. Provide professional development and instructional coaching to facilitate implementation of core instructional competencies and "best practices" across the district.</li> <li>3. Strengthen the degree to which instructional competencies and best practices are practiced and standards drive instruction by implementing administrative walk-throughs and requiring weekly submission of lesson plans by all instructional staff.</li> <li>4. Align district's Induction Program, Professional Education Plan, Technology Plan, and Supervision/Evaluation Plan with implementation of core instructional competencies (including instructional technology competencies) and with the goals, strategies, and activities outlined in the 2007 - 2013 Strategic Plan.</li> </ol>	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Director of Curriculum and Instruction	Start: 10/22/2007 Finish: 6/28/2013	\$5,000.00

**Strategy: School Nurses***Description:* Professional Development for School Nurses.

Activity	Description	
Health eTools	Implement the Highmark Foundation program for using Health eTools for Schools, a physical activity and nutrition program that includes BMI screening, collaborating to enhance wellness initiatives, wellness workbook to facilitate policy development, and lesson plan toolbox. Nurses will use handhelds that record student data that will be transferred to networked software.	
Person Responsible	Timeline for Implementation	Resources
Director of Information Services	Start: 10/19/2007 Finish: 6/30/2010	\$10,000.00

**Strategy: Student and Parent Involvement***Description:* Increase student accountability and engagement in their educational program. Increase parent involvement in their children's education.

Activity	Description	
Parent Access to Instructional Materials	Provide parents with access to instructional materials that they can use at home to support their children's learning which includes information via district website.	
Person Responsible	Timeline for Implementation	Resources
Director of Curriculum and Instruction	Start: 11/1/2007 Finish: 6/28/2013	\$0.00

## Staff Development

Staff development is at the center of successful technology implementation. Quality training and coaching and sufficient time must be provided to ensure that faculty and staff have the knowledge and skills to use district technology to enhance student learning. The district employs computer technicians, a director of information services, a network administrator, an information services department clerk, a director of instructional technology, technology coordinators, and technology trainers to provide technology assistance and support to administrative, professional and support staff.

The district has developed an effective and successful "train-the-trainer" model for professional development. Three Technology Coordinators (1 - High School, 1 - Middle School, 1 - Elementary), selected for this extra-pay position based upon their exemplary knowledge and skill with implementing technology in their own classrooms and for their leadership abilities, help to coordinate professional development at their assigned levels. There are building level Tech Trainers assigned to each building in the district. Tech Trainers are teachers who are selected for this extra-pay position because of their exemplary knowledge and skill with implementing technology in their own classrooms. During the summer months the Technology Coordinators provide update training to the Tech Trainers to prepare them for the upcoming school year and provide support and guidance for them throughout the school year. The Tech Trainers, in turn, provide for the individual technology-related professional development needs of the personnel in their buildings in large group, small group, or individual learning environments. They also assist with the technical needs of their buildings and perform simple problem solving activities before calling on district personnel. The district provides the Technology Coordinators and Tech Trainers with opportunities for differentiated professional development (technology-related) in order to meet their diverse needs and to encourage continuous professional growth.

Technology training across the district is ongoing, following a model that supports sustained effects for learning mastery, and is evaluated on a continuing basis. New employees to the district experience at least one full day of technology training as part of the district's Induction Program. Laptop training is required for all individuals in order to receive a district provided laptop computer. When new software programs are purchased initial training, follow-up implementation workshops, and coaching are provided to those who will be using the software program. Ongoing training of teachers and support staff occurs on a quarterly basis in a formal setting on scheduled "Tech Tuesdays". The training is provided by the building level Tech Trainers and focused on the professional development needs of the participants. Tech Trainers also provide individualized training when it is requested. In addition, in-service days and Act 80 days often incorporate technology training that is geared toward helping teachers implement instructional technology in their area of assignment.

The "train-the-trainer" model will continue to be used over the next three years of this plan. Its effectiveness is measurable, and its planning structure encourages research and development for new initiatives. Due to its success, the model will be used to provide professional development in other curricular areas in the district.

# Budget

## Summary: Potential Funding Distribution

Funding Source	2008-2009	2009-2010	2010-2011	Total
010 - ADMINISTRATIVE BUDGET	\$279,601.00	\$335,424.00	\$269,255.00	\$884,280.00
020 - CURRICULUM DEVELOPMENT AND INSTRUCTIONAL IMPROVEMENT SERVICES	\$47,500.00	\$45,000.00	\$45,000.00	\$137,500.00
040 - INSTRUCTIONAL MATERIALS SERVICES	\$26,000.00	\$26,000.00	\$6,000.00	\$58,000.00
060 - PUPIL PERSONNEL SERVICES	\$58,000.00	\$18,000.00	\$28,000.00	\$104,000.00
201 - Basic Education	\$3,000.00	\$1,000.00	\$1,500.00	\$5,500.00
eRATE	\$10,000.00	\$10,000.00	\$10,000.00	\$30,000.00
<b>TOTAL</b>	<b>\$424,101.00</b>	<b>\$420,424.00</b>	<b>\$359,755.00</b>	<b>\$1,219,280.00</b>

## Goal: COMMUNICATIONS

Develop and implement a comprehensive communications plan, both internal and external, for keeping all district and community stakeholders informed and involved.

Parent Communications	2008-2009	2009-2010	2010-2011	Total	Funding Source
District Portal for Parent Access	\$10,000.00	\$10,000.00	\$10,000.00	\$30,000.00	eRATE

Promote and Market District	2008-2009	2009-2010	2010-2011	Total	Funding Source
District Events Calendar	\$1,000.00	\$1,000.00	\$1,000.00	\$3,000.00	201 - Basic Education
District Promotional DVD's	\$1,000.00	\$0.00	\$250.00	\$1,250.00	201 - Basic Education
Informational and Transition Videos	\$1,000.00	\$0.00	\$250.00	\$1,250.00	201 - Basic Education

<b>GRAND TOTAL</b>	<b>\$13,000.00</b>	<b>\$11,000.00</b>	<b>\$11,500.00</b>	<b>\$35,500.00</b>	
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**Goal: CURRICULUM, INSTRUCTION, AND ASSESSMENT**

By 2013 at least 90% of all students will achieve proficiency in all curricular areas, as measured by District assessments aligned with state or national standards in all curricular areas.

<b>Access to Instructional Technology and Services</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>Total</b>	<b>Funding Source</b>
Computer Replacement Cycle for District Administrators	\$0.00	\$0.00	\$20,000.00	\$20,000.00	010 - ADMINISTRATIVE BUDGET
Computer Replacement Cycle for Elementary and Secondary Music Mini-labs	\$0.00	\$35,000.00	\$0.00	\$35,000.00	010 - ADMINISTRATIVE BUDGET
Computer Replacement Cycle for Elementary Schools	\$0.00	\$127,500.00	\$70,000.00	\$197,500.00	010 - ADMINISTRATIVE BUDGET
Computer Replacement Cycle for High School	\$126,500.00	\$25,000.00	\$40,000.00	\$191,500.00	010 - ADMINISTRATIVE BUDGET
Computer Replacement Cycle for Middle School	\$50,000.00	\$25,000.00	\$40,000.00	\$115,000.00	010 - ADMINISTRATIVE BUDGET
Increase opportunities for students, parents, and community members to access district libraries and instructional technology	\$0.00	\$15,000.00	\$15,000.00	\$30,000.00	010 - ADMINISTRATIVE BUDGET
Increase Wireless Access Points	\$15,000.00	\$0.00	\$0.00	\$15,000.00	010 - ADMINISTRATIVE BUDGET
Investigate Emerging Technologies	\$5,000.00	\$5,000.00	\$5,000.00	\$15,000.00	010 - ADMINISTRATIVE BUDGET
Standard Information Format (SIF)	\$0.00	\$20,000.00	\$0.00	\$20,000.00	010 - ADMINISTRATIVE BUDGET
Student Web-Portal	\$0.00	\$5,000.00	\$0.00	\$5,000.00	010 - ADMINISTRATIVE BUDGET
Video Media Program at High School	\$10,000.00	\$0.00	\$0.00	\$10,000.00	010 - ADMINISTRATIVE BUDGET
Wireless Mobile Computer Lab	\$0.00	\$3,000.00	\$0.00	\$3,000.00	010 - ADMINISTRATIVE BUDGET

<b>Alternative Education Options</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>Total</b>	<b>Funding Source</b>
Expand Alternative Education Options Available in the District	\$18,000.00	\$18,000.00	\$18,000.00	\$54,000.00	060 - PUPIL PERSONNEL SERVICES

<b>Curriculum Alignment</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>Total</b>	<b>Funding Source</b>
Curriculum Alignment Initiative	\$20,000.00	\$20,000.00	\$20,000.00	\$60,000.00	020 - CURRICULUM DEVELOPMENT AND INSTRUCTIONAL IMPROVEMENT SERVICES
Progress Monitoring	\$25,000.00	\$25,000.00	\$25,000.00	\$75,000.00	020 - CURRICULUM DEVELOPMENT AND INSTRUCTIONAL IMPROVEMENT SERVICES

<b>Data</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>Total</b>	<b>Funding Source</b>
Student Data Management System	\$40,000.00	\$0.00	\$0.00	\$40,000.00	060 - PUPIL PERSONNEL SERVICES

<b>Effective and Engaging Instruction</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>Total</b>	<b>Funding Source</b>
Assistive Technology for Meeting the Needs of Diverse Learners	\$6,000.00	\$6,000.00	\$6,000.00	\$18,000.00	040 - INSTRUCTIONAL MATERIALS SERVICES
Instructional Technology for Increasing Student Interactivity	\$20,000.00	\$20,000.00	\$0.00	\$40,000.00	040 - INSTRUCTIONAL MATERIALS SERVICES
K-12 Instructional Technology Specialist	\$73,101.00	\$74,924.00	\$79,255.00	\$227,280.00	010 - ADMINISTRATIVE BUDGET
Professional Staff Core Competencies	\$2,500.00	\$0.00	\$0.00	\$2,500.00	020 - CURRICULUM DEVELOPMENT AND INSTRUCTIONAL IMPROVEMENT SERVICES

<b>School Nurses</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>Total</b>	<b>Funding Source</b>
Health eTools	\$0.00	\$0.00	\$10,000.00	\$10,000.00	060 - PUPIL PERSONNEL SERVICES

<b>GRAND TOTAL</b>	<b>\$424,101.00</b>	<b>\$435,424.00</b>	<b>\$359,755.00</b>	<b>\$1,219,280.00</b>	
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## **Monitoring**

The Director of Information Systems (DIS), the Director of Instructional Technology (DIT), and the Director of Curriculum and Instruction all share in the collection of data for monitoring purposes. The DIS monitors equipment, budget, and non-instructional personnel matters. The DIT monitors instructional program objectives, assessment, and chairs the district's Technology Committee. The Director of Curriculum and Instruction monitors professional development activities. All directors report progress to the Technology Committee, the Superintendent, and the School Board.

The technology plan is monitored on an ongoing basis by the district's Technology Committee at their monthly meetings. Technology Coordinators report on their implementation efforts. Checklists are used to track progress towards established goals and objectives. Annually, teachers and staff provide additional information through surveys that the committee uses to monitor progress and to identify professional development needs.

## **Evaluation**

The Director of Information Systems (DIS), the Director of Instructional Technology (DIT), and the Director of Curriculum and Instruction share in the collection of data for the purpose of evaluation. The DIS collects and analyzes data regarding equipment, infrastructure, and non-instructional technology personnel. The DIT collects and analyzes data from instructional technology program initiatives and instructional technology personnel. The Director of Curriculum and Instruction collects and analyzes data from professional development activities. All directors report results to the Technology Committee, the Superintendent, and the School Board.

The technology plan is evaluated on a yearly basis by the district's Technology Committee. Checklists completed throughout the year are used to analyze the progress made towards the established goals and objectives. Administrative walk-through data that provides information on classroom implementation efforts is collected and analyzed. Usage reports from various software applications being used across the district are collected and analyzed. Equipment inventories are collected. Annually, Technology Coordinators, Tech Trainers, teachers and staff provide information through perceptual surveys and self assessments. All data will be used to determine if the district has been successful in meeting the established goals and strategies. The Technology Committee will analyze district efforts and identify modifications in the plan, if needed.