

Indiana Area School District

501 East Pike

Indiana, Pennsylvania 15701-2298

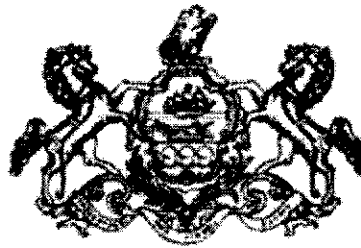
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**EDUCATIONAL
TECHNOLOGY PLAN
2009-2012**



Pennsylvania Department of Education



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

Educational Technology Report

Entity: Indiana Area SD
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Indiana, PA 15701-2234
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Core Purpose

Mission

Indiana Area School District is committed to excellence in educating each student to become a self-directed lifelong learner and a responsible citizen in a changing global society.

Vision

Indiana Area School District: A Premier Educational Program

Shared Values

1. We believe every student can learn.
2. We value the individuality of every child.
3. We model a strong Family — School — Community Partnership.
4. We provide a school environment that is welcoming to our students, families and community.
5. We provide safe learning environments that are supportive of our students' well being.
6. We cultivate lifelong learners who are prepared to adapt to future challenges.
7. We develop students' critical thinking skills, problem-solving skills, and real-world applications.
8. We value strong character development in each individual.
9. We believe active, responsible local, national, and global citizenship is a priority outcome for all students.

Needs Assessment

A professional development needs assessment was completed by the IASD teachers in the spring of 2008. A review of the data resulted in the identification of the following major categories of professional education needs in the area of technology:

- Integrating technology into the classroom
- Moodle/Course management software
- Creating/maintaining web pages
- Use of current technology (projection units, interactive whiteboards, and other emerging technologies)
- Microsoft Office software

Goals and Strategies

CONTINUOUS IMPROVEMENT ETHIC

Description: Demonstrate a district-wide ethic of continuous improvement that positively affects student learning, through professional development, integration of technology into instruction, facilities planning, and development of critical thinking and problem-solving skills.

Strategy: Facility planning

Description: Plan for facilities that promote student learning.

Activity	Description	
Technology hardware and software	Ensure that every building is equipped for optimal learning in the 21st century with state-of-the-art hardware and software.	
Person Responsible	Timeline for Implementation	Resources
Tech Coordinator	Ongoing	\$1,500,000.00

Activity	Description	
Funding	Seek funding sources/grants that support emerging technology and the infrastructure needed within each building.	
Person Responsible	Timeline for Implementation	Resources
Admin Team	Ongoing	\$0.00

Strategy: Integrate technology into instruction.

Description: Provide the hardware, software, and training to appropriately integrate technology into instruction.

Activities:

Activity	Description	
Implement Classrooms For the Future (CFF) grant	Install hardware and provide resources for teachers to successfully use the equipment provided by the Classrooms For the Future grant.	
Person Responsible	Timeline for Implementation	Resources
Tech Coord. & CFF Team	Ongoing	\$336,522.00

Activity	Description	
Provide alternatives to traditional instruction through distance learning, online courses, and cyber education.	Alternatives to traditional education will be explored and initiated to best suit the needs of our students.	
Person Responsible	Timeline for Implementation	Resources
Admin Team	Ongoing	\$0.00

Activity	Description	
Explore and integrate uses of the Wide Area Network (WAN).	The WAN will provided additional opportunities to use the Internet for research and instructional purposes.	
Person Responsible	Timeline for Implementation	Resources
Admin Team, Tech Coor & Coach	Ongoing	\$0.00

Activity	Description	
Professional development in technology	Educators will be provided with training to increase their knowledge of hardware, software, and strategies for integrating technology into instruction and learning.	
Person Responsible	Timeline for Implementation	Resources
Tech Team, Curriculum Coor.	Start: 10/10/2008 Finish: 5/9/2014	\$3,000.00

Strategy: Rigorous and relevant curriculum

Description: Implement a rigorous and relevant curriculum with a focus on developing critical thinking, problem solving skills, and real-world applications.

Activity	Description	
Professional Development for continuous improvement	Provide Professional Development opportunities for teachers that include strategies for: 1) curriculum development that meets state standards; 2) tailoring curriculum and instruction to improve and accelerate student achievement; 3) embedding technology into instruction; 4) integration of critical thinking, problem solving skills, and real-world applications; and 5) identifying research-based best practice in instruction.	
Person Responsible	Timeline for Implementation	Resources
Curriculum Coor.	Start: 10/10/2008 Finish: 5/9/2014	\$6,000.00

Activity	Description	
Integration of technology into teaching and learning	Develop high quality lessons that embed technology as a tool for learning.	
Person Responsible	Timeline for Implementation	Resources
Admin Team	Ongoing	\$0.00

Staff Development

- All staff will have opportunities for professional development in technology, facilitated by our in-house technology and curriculum personnel and outside trainers when needed.
- In-service days are available throughout the year for training, as well as time before and after the regular school day.
- For the 2007-2008 school year, a core group of teachers was trained in Moodle and piloted the program with their students in their respective classrooms. They also worked together to design a training course using Moodle that could be used to train the rest of the faculty. For the 2008-2010 school years, additional teachers will use this newly created online training program to learn how to use and navigate Moodle, working at their own pace.
- IASD was awarded a Classrooms For the Future grant for 2008-2009. Teachers who will participate were selected through an application process. These teachers will receive at least 30 hours of training to learn to use technology in their lessons. In addition, a technology coach was assigned to the senior high school, to assist the teachers in developing technology-rich lessons.
- Through the IASD Educational Initiative grants, each school will receive an interactive whiteboard and projection unit. District personnel will explore, identify, and develop activities that will make use of this equipment, and then integrate these activities with learning objectives within their subject area or grade level.
- When new software is acquired, initial training will be supplied by each software company as per the installation agreement. Supplemental training will be written by the current technology staff and made available through Moodle. In-service workshops will also be provided on an as-needed basis.
- All teachers will be instructed on the effective use of multimedia equipment such as projection units, interactive white boards, video-conferencing, computer to TV video displays, and other electronic equipment within their curricular program. IASD will utilize professional development training supplied by LEARN (Leading Educational Achievement through the Regional Network). This is funded by Act 183 E-fund grant and available at our local IU28.

Budget

Summary: Potential Funding Distribution

Funding Source	2009-2010	2010-2011	2011-2012	Total
010 - ADMINISTRATIVE BUDGET	\$250,000.00	\$250,000.00	\$250,000.00	\$750,000.00
421 - NCLB - Title II, Part A - Includes Improving Teacher Quality, Eisenhower Professional Development, Class Size Reduction	\$1,500.00	\$1,500.00	\$1,500.00	\$4,500.00
TOTAL	\$251,500.00	\$251,500.00	\$251,500.00	\$754,500.00

Goal: CONTINUOUS IMPROVEMENT ETHIC

Demonstrate a district-wide ethic of continuous improvement that positively affects student learning, through professional development, integration of technology into instruction, facilities planning, and development of critical thinking and problem-solving skills.

Facility planning	2009-2010	2010-2011	2011-2012	Total	Funding Source
Technology hardware and software	\$250,000.00	\$250,000.00	\$250,000.00	\$750,000.00	010 - ADMINISTRATIVE BUDGET

Integrate technology into instruction.	2009-2010	2010-2011	2011-2012	Total	Funding Source
Professional development in technology	\$500.00	\$500.00	\$500.00	\$1,500.00	421 - NCLB - Title II, Part A - Includes Improving Teacher Quality, Eisenhower Professional Development, Class Size Reduction

Rigorous and relevant curriculum	2009-2010	2010-2011	2011-2012	Total	Funding Source
Professional Development for continuous improvement	\$1,000.00	\$1,000.00	\$1,000.00	\$3,000.00	421 - NCLB - Title II, Part A - Includes Improving Teacher Quality, Eisenhower Professional Development, Class Size Reduction

TOTAL	\$251,500.00	\$251,500.00	\$251,500.00	\$754,500.00	
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GRAND TOTAL	\$251,500.00	\$251,500.00	\$251,500.00	\$754,500.00	
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Monitoring

Technology implementation and integration will be monitored by the technology coordinator, technology coach, and building principals. Monitoring will take place on an ongoing basis, through observation, lesson plan review, logs, and team meetings. Appropriate use will be determined by comparing the actual use to the standard that is set by our strategic plan and building goals and guidelines. Through an ongoing monitoring process, the administrative team will determine whether or not technology is being used appropriately for the District's identified needs.

Some specific monitoring activities include:

- Teachers will mediate any forums and chat rooms that they open through Moodle. Frequency of student usage will be monitored through administrative tools in the Moodle program. Any cyber issues that may emerge will be addressed through the districts discipline policy.
- Courses of study will be reviewed and revised on a cyclical basis. The present criteria for meeting graduation requirements will be utilized.
- Run parallel testing with new and current systems to ensure data integrity. Convert current and prior years data to new software field specifications. Setup import and export routines for external support systems.
- Ensure all the newly installed equipment is working properly. Ensure network operation and speed is capable of meeting application needs.
- Technology coordinator will ensure the correct and secure operation of the remote access portal.
- Indiana Area School District will use evaluation utilities (software or hardware) to ensure reliable and effective Wide Area Network connection (WAN). Access to Internet, Internet2, and WAN resources will be maintained. The PATI survey will be use to assess teacher needs and timely access to resources available via the WAN.

Evaluation

Evaluation of the effectiveness of the technology plan will take place by measuring our progress toward the goals that were set. Progress will be determined through direct observation, participation in professional development activities, surveys, and lesson plan reviews.

Some guiding questions that will be used to evaluate progress made toward the technology report goals include:

- What goals and strategies of the report were you able to meet? To what extent?
- Were there any unexpected outcomes or benefits to having the technology in place?
- What goals and strategies of the technology report did you not meet? Why? Are there ways to overcome these barriers?
- What is the plan for meeting unmet goals and strategies?
- Are there other needs that have emerged since you last wrote/revised your report? If so, what are they?
- Are there any goals and strategies that are no longer relevant to your situation and should be deleted from the report?

Some strategies that will be used in the evaluation include:

- Teachers will evaluate the effectiveness of Moodle as a teaching tool through completion of a Moodle survey, as well as through ongoing informal feedback.
- The district technology committee will meet with the Curriculum Coordinator to design evaluation methods, documents, and timelines that will be used to assess technology needs and uses.
- Indiana Area School District will use evaluation utilities (software or hardware) to ensure reliable and effective Wide Area Network connection (WAN). Access to Internet, Internet2, and WAN resources will be maintained. The PATI survey will be use to assess teacher needs and timely access to resources available via the WAN.

