
Pennsylvania Department of Education



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF EDUCATION
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HARRISBURG, PA 17126-0333

Educational Technology Report

Thursday, November 08, 2007

Entity: Selinsgrove Area SD
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Core Purpose

Mission

The Selinsgrove Area School District is committed to providing quality education for life-long learning.

Vision

We envision the Selinsgrove Area School District to be a premier, exemplary student-centered organization where everyone shares the commitment to the education and development of each student.

Our graduates will be problem solvers, critical thinkers, self-directed learners, effective communicators, collaborative workers, quality employees, proficient users of technology, and contributing members of a global society.

Shared Values

1. We believe all students can learn and succeed given appropriate standards-based curriculum and research-based instruction.
2. We believe staff and physical facilities should provide a supportive, safe, and secure environment in which to learn.
3. We believe each student is unique and the educational experience should encourage and develop creativity and imagination.
4. We believe educational excellence must be supported by continuous evaluation of facilities and resources, effective instructional practices, and proficient use of technology.
5. We believe education is a life-long pursuit and students must be equipped with the skills for success to meet the challenges of an ever-changing global society.
6. We believe in dedication to excellence and high academic expectations while maintaining fiscal responsibility.
7. We believe academic excellence is achieved through quality instruction supported by continuous, focused staff development which models life-long learning.
8. We believe education should promote character development, ethical behavior, and a positive self-image leading to being responsible citizens.
9. We believe effective leadership at all levels is essential to the success of our educational program.
10. We believe encouragement and support of innovation, flexibility, and creativity is necessary in order to successfully adapt to change.
11. We believe that the school, students, family, and community should have shared responsibility and shared decision-making in the educational process through collaboration and communication.
12. We believe excellence in all areas is identifiable, measurable, achievable, and worthy of pursuit.

Needs Assessment

What developments in technology have emerged that you can take advantage of to improve education for your school or community?

The following are a list of technology developments that have emerged that we as a K-12 entity can take advantage of:

- One to One Computing
- Classrooms for the future
- Storage Area Networks
- Thin Client solutions
- Mobile Laptop Carts
- Smart Boards
- Remote Feedback Devices
- Remediation software
- Open Source Software (Office, Illustration, Photo Editing)
- Web Portals
- Blogging
- Podcasts
- Web 2.0
- GPS/GIS Systems
- Mapping Software
- SIF (Schools Interoperability Framework)

How do you identify potentially useful new technologies (e.g., attending conferences, reading publications, and networking with peers)?

- Attending the PETE&C (Pennsylvania Educational Technology Expo and Conference)
- Attending NECC (National Technology Conference)
- Attending Technology Partner Conferences
- Attending our local IU (CSIU) Regional Tech Coordinators Meeting
- Periodical Subscriptions (eSchool News, PASBO, District Administrator, PC World)
- Online Reviews/News (PDE portal, eSchool News, cNet)
- Networking with Peers

What strengths and weaknesses, related to technology, have been identified by staff, students or parents? (Utilize district and community wide staff, student and parent/community member surveys)

The following were weaknesses related to technology that have been identified by our surveys:

- Teachers stated that we needed an Information Skills Curriculum
- Lack of Time in the school day
- Need of more technology related professional development
- Access to technology (i.e. computer labs)
- More use of technology at the elementary level

Our teacher survey stated:

- 60.% - stated that technology is appropriately supported through adequate funds provided in an annual budget
- 76% - use technology for record keeping (i.e. grades and attendance)
- 83% - use productivity software to create classroom materials
- 93% - use technology to communicate with colleagues
- 80% - use technology to communicate with administrators
- 58% - use technology to communicate with parents/community members
- 58% - use technology to research information for students
- 25% - use technology to conduct student assessments

- 76% - believe that the professional development they received through the school adequately prepared you for using technology for instruction
- Teachers believe that the following would increase your use and/or integration of technology into your teaching:
 - 48% - more student workstations
 - 49% - professional development in technology

Our community survey (parents, students, community members):

- 80% - stated that the school program provides adequate instruction in courses such as the arts, health, physical education, world languages and cultures, and technology.
- 91% - stated that the school provides students with adequate library/media services
- 79% - stated that the school curriculum helps students develop research and technology skills
- 75% - stated technology resources are adequate to support the total educational program
- 72% - stated that the school provides instruction in effective uses of technology and opportunity to apply this knowledge.

In summary, it seems that staff and students are continuously improving their technological skill sets. The Selinsgrove Area School District's focus on technology for the future should be the enabling of our teachers to seamlessly integrate technology into all aspects of daily instruction. The surveys show areas of weakness that are not specific to technology; however, these areas can definitely be improved by the utilization of technology for communication, collaboration and professional development.

Goals and Strategies

Goal: TECHNOLOGY PLAN

Description: To enable all students to succeed academically by supporting 21st Century teaching and learning.

Strategy: Instructional Facilities

Description: Design all new instructional facilities and renovated instructional spaces to include architectural designs that provide technology-friendly environments.

Activities:

| Activity | Description | |
|-----------------------|--|-----------|
| Tech Friendly Designs | Technology Coordinator, Administrators, and teachers will work together to plan renovations that include technology friendly designs from networking components to individual workstations | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$0.00 |

Strategy: Policies

Description: Assure all technology related policies are in compliance with state and federal laws.

Activities:

| Activity | Description |
|-----------------------------|--|
| Review/Revision/Development | Review and revise technology related policies as needed to assure compliance with state and federal laws. Develop policies |

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|---------------------------|--|------------------|
| | as indicated by changes in technology with regard to privacy, safety, ethics and security. | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$0.00 |

Strategy: Professional Development

Description: Develop professional development to enable teachers to seamlessly integrate technology into everyday instruction.

Activities:

| Activity | Description | |
|---------------------------|--|------------------|
| InSchool Training | Work with teachers either at grade level or department with creating instructional materials that will be used to integrate technology into their everyday lessons. Teachers will be pulled from classes and substitutes will be brought in so the teachers can be trained during their contractual periods. | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$55,000.00 |

| Activity | Description | |
|---------------------------|--|------------------|
| Seal School | Improve technology offerings for Seal School | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$15,000.00 |

Strategy: Resources

Description: Provide the resources (hardware, software, and training) to achieve our goal.

Activities:

| Activity | Description | |
|---------------------------|---|------------------|
| Hardware | Commitment to providing hardware that will be readily available and easily accessible. Improving computer to student ratio. | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$525,000.00 |

| Activity | Description | |
|-----------------|--|------------------|
| InfraStructure | Maintain and upgrade internal wiring, fiber connections, wireless access points and network appliances to provide a robust and always available network. Implement additional wireless connections to district wireless network. | |
| Person | Timeline for Implementation | Resources |

| | | |
|--------------------|---------------------------|--------------|
| Responsible | | |
| Peter Geipel | Start: N/A Finish: N/A | \$120,000.00 |

| | | |
|---------------------------|--|------------------|
| Activity | Description | |
| Software | Commitment to providing software that will be readily available and easily accessible. | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$190,000.00 |

| | | |
|---------------------------|---|------------------|
| Activity | Description | |
| TeleCom | Maintain and upgrade where needed district communication systems. (i.e. cellular phones, long distance, local calling, parental and staff communication system) | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$75,000.00 |

Strategy: Technological Proficiencies

Description: Students and Staff will demonstrate technological proficiencies.

Activities:

| | | |
|---------------------------|---|------------------|
| Activity | Description | |
| Checklist | Create a rubric to evaluate technological proficiencies of all staff and students. Align the rubric to the districts technology curriculum and all curriculum where the infusion of technology takes place. | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$15,000.00 |

Strategy: Technology Curriculum

Description: Redesign the districts technology curriculum and align them to state and national technology standards.

Activities:

| | | |
|---------------------------|---|------------------|
| Activity | Description | |
| Align Curriculum | Committee will investigate existing district and state curriculum and determine areas where the technology curriculum can be seamlessly integrated. | |
| Person Responsible | Timeline for Implementation | Resources |

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|--------------|---------------------------|-------------|
| Peter Geipel | Start: N/A Finish: N/A | \$15,000.00 |
|--------------|---------------------------|-------------|

| Activity | Description | |
|--------------------|--|-----------|
| Committee | Form committee to evaluate the existing technology curriculum and align the curriculum to state, national and local standards. | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$0.00 |

Strategy: Workflow Processes

Description: Implement workflow processes to achieve new efficiencies and cost savings using technology while safeguarding privacy.

Activities:

| Activity | Description | |
|--------------------|---|-------------|
| Documents | Convert all electronic and paper documents into portable document format (i.e. pdf) where applicable. | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$15,000.00 |

| Activity | Description | |
|--------------------|--|-------------|
| IntraNet | Expand existing IntraNet to enable a place where all district documents and resources are located for internal users to access, share and collaborate. | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$12,000.00 |

| Activity | Description | |
|--------------------|---|-------------|
| Printing | District will move to all networked based printers and copiers. All staff can print directly to copiers and create portable documents where applicable. | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$60,000.00 |

| Activity | Description | |
|---------------------------|--|------------------|
| SIF Extension | Continue the implementation of SIF in the district, bringing all systems that are SIF compliant into our existing SIF zones. | |
| Person Responsible | Timeline for Implementation | Resources |
| Peter Geipel | Start: N/A Finish: N/A | \$45,000.00 |

Staff Development

The staff of the Selinsgrove Area School District will be assessed to determine a baseline of technological proficiency. Based upon this assessment, training programs will be designed and developed to remediate teachers who have deficiencies, so all staff will operate at a proficient level. Opportunities will be given to enable teachers to increase their technological skill sets to an advanced level beyond regularly scheduled professional development sessions.

Sessions will be scheduled in a variety of methods. Some examples are:

- Act 80 days
- Before and After School
- Summer Exchange Days
- Release Time

Staff Development training will be through a variety of providers, these include but are not limited to:

- In District Keystone Technology Integrators
- Technology Coordinator
- Intermediate Unit
- Vendor/Product specific trainer
- Online Classes
- PATTAN
- PDE webinars offered through the (Educational Hub)
- Regional wide in-service days.

Teachers who reach advanced proficiency will be nominated for District Keystone Technology Integrators. These staff members will be given opportunities to work with and assist other district employees and present at conferences such as the PETE&C, NECC.

Budget

Summary: Potential Funding Distribution

| Funding Source | 2008-2009 | 2009-2010 | 2010-2011 | Total |
|-----------------------------|---------------------|---------------------|---------------------|-----------------------|
| 010 - ADMINISTRATIVE BUDGET | \$350,000.00 | \$382,500.00 | \$409,500.00 | \$1,142,000.00 |
| TOTAL | \$350,000.00 | \$382,500.00 | \$409,500.00 | \$1,142,000.00 |

Goal: TECHNOLOGY PLAN

To enable all students to succeed academically by supporting 21st Century teaching and

learning.

| Professional Development | 2008-2009 | 2009-2010 | 2010-2011 | Total | Funding Source |
|---------------------------------|------------------|------------------|------------------|--------------|-----------------------------|
| InSchool Training | \$10,000.00 | \$15,000.00 | \$30,000.00 | \$55,000.00 | 010 - ADMINISTRATIVE BUDGET |
| Seal School | \$5,000.00 | \$5,000.00 | \$5,000.00 | \$15,000.00 | 010 - ADMINISTRATIVE BUDGET |

| Resources | 2008-2009 | 2009-2010 | 2010-2011 | Total | Funding Source |
|------------------|------------------|------------------|------------------|--------------|-----------------------------|
| Hardware | \$175,000.00 | \$175,000.00 | \$175,000.00 | \$525,000.00 | 010 - ADMINISTRATIVE BUDGET |
| InfraStructure | \$45,000.00 | \$40,000.00 | \$35,000.00 | \$120,000.00 | 010 - ADMINISTRATIVE BUDGET |
| Software | \$50,000.00 | \$65,000.00 | \$75,000.00 | \$190,000.00 | 010 - ADMINISTRATIVE BUDGET |
| TeleCom | \$20,000.00 | \$25,000.00 | \$30,000.00 | \$75,000.00 | 010 - ADMINISTRATIVE BUDGET |

| Technological Proficiencies | 2008-2009 | 2009-2010 | 2010-2011 | Total | Funding Source |
|------------------------------------|------------------|------------------|------------------|--------------|-----------------------------|
| Checklist | \$5,000.00 | \$5,000.00 | \$5,000.00 | \$15,000.00 | 010 - ADMINISTRATIVE BUDGET |

| Technology Curriculum | 2008-2009 | 2009-2010 | 2010-2011 | Total | Funding Source |
|------------------------------|------------------|------------------|------------------|--------------|-----------------------------|
| Align Curriculum | \$5,000.00 | \$5,000.00 | \$5,000.00 | \$15,000.00 | 010 - ADMINISTRATIVE BUDGET |

| Workflow Processes | 2008-2009 | 2009-2010 | 2010-2011 | Total | Funding Source |
|---------------------------|------------------|------------------|------------------|--------------|-----------------------------|
| Documents | \$5,000.00 | \$5,000.00 | \$5,000.00 | \$15,000.00 | 010 - ADMINISTRATIVE BUDGET |
| IntraNet | \$0.00 | \$7,500.00 | \$4,500.00 | \$12,000.00 | 010 - ADMINISTRATIVE BUDGET |
| Printing | \$20,000.00 | \$20,000.00 | \$20,000.00 | \$60,000.00 | 010 - ADMINISTRATIVE BUDGET |
| SIF Extension | \$10,000.00 | \$15,000.00 | \$20,000.00 | \$45,000.00 | 010 - |

| | | | | | |
|--|--|--|--|--|--------------------------|
| | | | | | ADMINISTRATIVE BUDGET |
|--|--|--|--|--|--------------------------|

| | | | | | |
|------------------------|---------------------|---------------------|---------------------|-----------------------|--|
| GRAND TOTAL | \$350,000.00 | \$382,500.00 | \$409,500.00 | \$1,142,000.00 | |
|------------------------|---------------------|---------------------|---------------------|-----------------------|--|

| | | | | | |
|--------------|---------------------|---------------------|---------------------|-----------------------|--|
| TOTAL | \$350,000.00 | \$382,500.00 | \$409,500.00 | \$1,142,000.00 | |
|--------------|---------------------|---------------------|---------------------|-----------------------|--|

Monitoring

Technology integration/implementation will be monitored annually by the Technology Coordinator, Director of Curriculum and Instruction, as well as, Building Administrators. The methods of monitoring include the following:

- Observations
- Online Surveys
- Checklists
- Evaluations

Technology integration and implementation will be determined based on the alignment of district curriculum. When there is a parallel alignment, teacher lesson plans will include technology components.

Evaluation

To determine if this plan is successful, the Selinsgrove Area School District will use surveys, district observations, and interviews with students and teachers to measure how much of the district technology curriculum has been infused into daily instruction.

We will annually reevaluate the plan and address areas of deficiencies based on the evaluations. If there are strategies and activities that are no longer relevant, they will be removed and replaced with new ones. The plan will be restructured as needs arrive.