

Technology Plan Submission Form School Years 2009-2012

District Name	Siloam Springs School District
County	Benton
Education Cooperative	Northwest Arkansas Education Service Cooperative
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<i>Include URL of technology plan if posted to district website:</i>	http://sssd.k12.ar.us/public/general.information/technology.services/files/technologyplan.pdf

(REVIEW TEAM WILL COMPLETE THE FOLLOWING INFORMATION)

DATE RECEIVED:		
REVIEWER:	Approval Status:	DATE:
DISTRICT APPROVAL LETTER SENT:		DATE:
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Current District Demographics

District Profile	
DISTRICT NAME:	Enter information here
District Local Education Agency (LEA) Number:	0406000
Number of Schools in the LEA :	5
Total Number of Teachers for the District:	270
Total Number of Students Enrolled in the District:	3,682
District Billed Entity Number:	139684
District Federal Registration Number (FRN):	0007076524
District National Center for Education Statistics (NCES) Number:	0512450
Percentage of Students Eligible for Free/Reduced Lunch:	50%
E-Rate District Discount Level:	74%
Internet Connected Student/Computer Ratio for District:	3.7 to 1
Based on Census Tract information is your district considered Rural or Urban:	Urban

	(Year 1) 2009-2010	(Year 2) 2010-2011	(Year 3) 2011-2012
Number of computers & other devices with Internet access <u>before</u> application.	1200	1400	1700
Number of computers & other devices with Internet access <u>after</u> application.	1200	1400	1700
Direct connections to the Internet number of drops.	1200	1200	1500
Number of classrooms with Internet access.	274	274	354
Direct broadband services between 10 Mbps and 200 Mbps.	1	1	1

Technology Committee

The Technology Committee should represent all stakeholders. Development of the technology plan and implementation of the plan should enable parents, educators, students and community members to benefit from the investment in technology. All should have representation on the committee.

District Technology Committee		
Member	Title	Constituency Represented
Sheryl Braun	Northside Principal	PreK-K
Cindy Covington	Allen Elementary Principal	1-2
Dan Siemens	Southside Elementary Principal	3--5
Teresa Morgan	Middle School Principal	6-8
Charlie Abernathy	High School Principal	9-12
Michelle Eudy	Teacher	3-5
Grady Nichols	Scholarship Director	Community
John Blair	DTS	District
Jackie Henderson	Parent	District
Clay Draper	Student	High School
Valerie King	Gifted/Talented Coordinator	District
Leslie Moore	ESL Coordinator	District
Doris Henderson	Special Ed Coordinator	District
Rick Jones	Tech Coordinator	District

PLANNING

The staff of District Technology services (DTS) meets frequently to discuss the projects outlined in the technology plan and to evaluate progress and analyze results. Retreats are held occasionally to make long range plans and identify upcoming needs. Technology specialists in each building also provide input throughout the year on progress and needs.

Surveys are conducted in the spring of each year to determine how technology is being used in the classrooms and to determine what is needed to support that use. Technology request forms are also sent during the spring of the year to allow all staff members the opportunity to request what is needed to meet technology goals.

The technology plan is revised each spring and rewritten every three years. Members of the technology committee represent a wide variety of interests and resources. The current plan is to meet every other month as a committee to monitor and evaluate progress. Input is being received constantly, however, from a variety of sources throughout the year. DTS maintains an electronic HelpDesk open to all staff. Surveys are conducted each year to evaluate DTS support, the need for training, software, and equipment.

The technology coordinator also meets with principals and department heads throughout the year to monitor progress and assess needs.

Meetings are held at the end of the school year to evaluate the usage and effectiveness of SuccessMaker and Waterford.

At the district level, an administrative team composed of principals and department heads meet frequently throughout the year and all areas of technology are addressed. Updates on planning and progress are given to the school board at least twice each year—in the fall and spring. Parents are informed of progress through parent nights at school, news articles, and the school and district web sites.

Vision and Mission Statements

Vision Statement

Members of the Siloam Springs School District envision an educational community which is accessible to all members regardless of age, sex, ethnicity, or economic status. The district is committed to utilizing technology in creative and innovative ways to make the educational process the best it can be and to make the dream of lifelong learning a reality.

Mission Statement

The mission of the Siloam Springs School District is to insure:

- Equal and abundant access to computers and networks.
- Technology training for everyone.
- Adequate funding.
- Research, development, and content relating to using technology in the classroom.

Current Technology Assessment

A. Technology Integration with Curriculum and Instruction

A survey was conducted in March 2008 and showed that teachers are using technology in the classroom in the following ways: (This is a representation of input from staff throughout the district.)

- Use classroom computers for remediation and enrichment and for PowerPoint presentations in science and social studies
- Use classroom computers to supplement lab time on curriculum software
- Use classroom computers for KnowledgeBox lessons
- Use technology for communication, classroom activities, and skill work with Internet programs
- Use digital camera to enhance language and writing in the classroom and web sites to enhance letter naming and reading
- eMail
- Tables and graphs in Excel
- Share lesson plans and newsletters, research field trips and learning topics
- Record keeping, reports, presentations to staff/students
- Introduce elementary students to Internet, lesson plans, ordering materials
- Use Internet to find material to supplement lessons
- eInstruction, Harcourt Math, KnowledgeBox, and United Streaming as well as PowerPoint and Publisher
- Use computers for curriculum software such as SuccessMaker, Waterford, Imagine Learning, Accelerated Reader, and JEDI
- Use projector in combination with computer to show, discuss, revise, and evaluate writing issues and use music or video clips to illustrate concepts
- Show books with Elmo and projector
- Imagine Learning
- SmartBoards
- Use Internet for research
- Use Internet to research web sites and web quests for other teachers to use in their classrooms
- Use Internet for educational web sites
- Use classroom computers for writing
- Build interactive web pages for student bell assignments
- Use Microsoft Office for student projects
- Use technology tools for motivation and to assess learning of specific content
- Weekly emails to parents
- Practice grammar, spell check in Spanish

- Students take state competency tests on computers
- Use SmartBoard in library for British Literature course
- Working on a paperless classroom
- Use document camera daily
- Google searches with projector
- Use Jedi regularly
- Use calculators and graphing calculators regularly
- Use laptop and projector with class daily
- Use projector and Interwrite tablet
- Distance learning

Teachers are given the opportunity in the spring of each year to request technology for their classrooms. In the spring of 2008 there were many requests for projectors and document cameras. This technology plan reflects those requests. The district is making an effort to equip all classrooms with projectors by the end of this technology plan. Projectors have proven to be a very effective and cost efficient way to integrate technology into the classroom. In addition, training is offered throughout the year to support teachers in using the projectors. Training is also provided on other equipment which can be used with the projectors such as classroom response systems, document cameras, interactive boards, wireless mice, and software such as video streaming from AETN.

All teachers have Internet capable, multimedia computers in their classrooms which can be connected to the projectors. Starting with this technology plan, laptops will be purchased when teacher computers need replacement. It is felt this will make it easier for teachers to integrate technology in the classroom. It will also make their computers more flexible. They will be able to take them home or to meetings and integrate them more fully into their professional lives.

Our goal is to make more and more content and resources available to students and parents on the web. We want students to be able to continue their class work when they go home. More and more of our students have computers at home with access to the Internet. It only makes sense to make more available online to students and parents. At some point in the not too distant future all students will have technology available at home which will help them continue their education, whether it is district owned or personally owned.

Elementary and Middle School

Northside Elementary (PreK and K) has two complete labs, one for Waterford Early Reading and the other for Waterford Math/Science. In addition, classroom computers are available for students who need extra time with the software.

All buildings now have the equivalent of a lab per grade level. This allows access by students to curriculum software such as SuccessMaker, Accelerated Reading and Math, Imagine Learning, JEDI, AtomicLearning, and others. In addition, it is a goal of the district to provide 3-5 computers in each classroom to allow for additional remediation and enrichment in each classroom. This allows extra access for students who need it to correct deficiencies in the Arkansas frameworks.

Current Technology Use at Siloam Springs High School

The high school has three complete vocational labs in addition to a lab in Agri and Journalism. The library has two labs, one of which is provided to teachers and will accommodate their entire class. Other uses for computers in the high school include:

- Online Tests
- Conducting Research
- Simulations
- Creating PowerPoint presentations
- All aspects of Microsoft Office
- DreamWeaver, In Design, PhotoShop
- Jedi software for remediation
- Video Streaming
- Accessing on-line library resources
- Compressed Video
- Smartboards for interactive learning
- Plasma Cam and CAD program
- Graphing Calculators
- Pinnacle Software
- PDA for classroom walk-throughs
- GroupWise email
- Distance Learning classes

B. Professional Development

The entire staff is surveyed every spring to see how they are integrating technology, to identify professional development needs, and to evaluate DTS support. The following needs were identified by the staff:

- Advanced technology training
- Monthly building level training
- Training on using document cameras
- Software for helping teachers design and produce web sites
- Need elementary technology integration specialist
- Need piano keyboard lab
- Need more projectors in the classrooms and training on how they can best be utilized in the classroom
- Demonstrations and training on Smartboards
- More wireless access in the buildings
- Training on using video streaming
- Training on podcasts and blogs
- Need paper monitoring software on networked printers

The district employs a person who is responsible for coordinating professional development. Sessions are offered in the summer, at the beginning of school, and throughout the year in order to meet the needs of the staff for integrating technology. Over a hundred hours of training are offered each year. During the year the training is based on identified needs by building and special groups. Each session is evaluated by the participants and these evaluations are reviewed to increase the effectiveness of professional development.

A new 'Professional Appraisal Plan' is being implemented which makes technology an important part of the *planning and preparation, instruction, and professional responsibilities domains*. Teachers will be evaluated on their knowledge of technology and the level to which it is integrated into the classroom using this new model. Technology skills are also an important factor in evaluating potential teachers and administrators.

New software was purchased in 2008, PDEExpress, which is designed to automate and manage professional development programs. PDEExpress is a web-based professional development and staff information management system which allows districts to store, manage, and report on all facets of professional development and NCLB requirements. The software also has an evaluation component which will help us determine the effectiveness of the sessions offered.

During the current school year professional development was offered in the following areas: Excel for Beginners, Excel Charts and Graphs, Images and Slideshows, AETN and Atomic Learning, Triand for Administrators, Powerpoint Jeopardy, Web Page Development, Web Pages using District Template, APSCN for Nurses, Interwrite, Integrating Technology, Smartboards, OdysseyWare, and many others. Each building also had offerings which were specific to their buildings.

During the coming school year, the following topics have already been scheduled: APSCN for Administrators, Digital Images, Excel Formulas, Atomic Learning and United Streaming, Powerpoint, Internet Safety, Pinnacle Web, Internet Safety and Toolbox for Parents, and Building Level Tech Training. Many other trainings will be scheduled throughout the year. Our teachers also attend the Hot Springs Technology Conference, and the Rogers Technology Conference, and attend trainings at the Northwest Co-op.

Beginning with the 2007-2008 we began to concentrate more on tailoring our training to meet more specific needs. For example, we had sessions specific to administrators, and we began to offer more sessions for each individual building with topics which they have identified as needed. We plan to continue this approach and take more advantage of the skills which the staff possess in each building. We have a growing number of staff who are becoming very proficient with different areas of technology and have found it to be an effective way to provide training by asking those individuals to provide training in their buildings. This allows us to offer more sessions and to provide what is most useful and what most of the staff are interested in.

The ISTE standards for staff, students, and administrators were endorsed by the Siloam Springs School District in 2003. It is our goal to provide specific curriculum integration techniques starting for each grade level and to provide the resources and training for meeting those goals. One lab at Southside is used to target technology skills for grades 3-5. The middle school will focus on preparing students to meet the No Child Left Behind requirement for all students to be technology literate by the 8th grade.

The ISTE standards for administrators are also being addressed through specific training for administrators. All administrators should have access to laptops and be proficient with Office. With wireless access at each school office beginning in 2006, PDA's will be purchased for each administrator with applications available to increase efficiency, time management, and access to student management data. Administrators are also encouraged to attend TICAL and the Hot Springs Technology Institute.

The district began requiring teacher web pages in 2003. The webmaster has provided a template which makes it easy for teachers to begin a web site. The district is also considering purchasing a district site license for a service from SchoolCenter or TeacherWeb which makes it easy for teachers to produce and update their web sites.

Staff Development and Training

DTS provides approximately 100 hours of in-service training opportunities throughout the year for technology. A full day is devoted to technology training at the beginning of each school year. If all sessions are attended, the staff can satisfy the minimum technology requirement for staff development on that day. Other training is provided during the year by the DTS staff and by technology support persons from the buildings in addition to training by software vendors. Opportunities also exist at the Northwest Educational Coop and money is made available to the staff to attend TICAL and the Hot Springs Technology Institute. DTS employs a person full time whose responsibilities include coordinating training to see that needs are met.

The district tracks all staff development hours and reports are analyzed each month to track and report progress. PExpress software was purchased during the spring of 2008 to use for this purpose and to allow for curriculum mapping.

The district will strive to meet the state recommendation of spending 25% of the technology budget for training and professional development.

AtomicLearning was purchased for the 2007-2008 school year for the entire staff. In addition, the DTS webmaster will continue to develop short tutorials on a variety of topics of interest to the staff accessible from any web browser.

WinOcular software was purchased for the district in the spring of 2008. This software is a web based program which automates the process of collecting applications for employment and provides the principals and others who need it a convenient way to access the information when needed.

Every effort is made to provide continuous training throughout the year for existing technology and new and developing technologies.

C. Equitable Use of Technology

Every staff member has a computer or access to a computer with Internet access, email, and Microsoft Office. Classroom computers are also available but more are needed. Our goal is a ratio of 3-1 within the next three years, but we also realize that, ultimately, every child needs their own networked device whether it is a laptop, handheld computer, or other device.

Assistive technology is provided in the form of:

- AlphaSmarts/NEO 2's (60 available to the schools)
- Switches (BIGmack) to operate different equipment
- Intelli Keys
- Various augmentative communications devices determined by the IEP committee
- District website compliant with XHTML standards
- Text to speech software
- Tablet PC's
- Lightboards
- Screen reader software
- Large screen display software (ZoomText)
- Classroom response systems

Additional software and hardware is provided as needs arise to meet the special needs of students. Response to Intervention (RTI) is used to identify needs and evaluate progress.

D. Current Technology Inventory

The district policy requires all equipment costing \$1,000 or more to be recorded as an asset in the district financial software provided by APSCN. Items less than \$1,000 are inventoried with the WASP inventory system. All computers, laser printers, projectors, eInstruction units, Elmos, digital cameras, network hubs and switches, camcorders, and handheld computers are inventoried, regardless of cost. All technology equipment is ordered through District Technology Services and is inventoried when it comes in. Bar code readers including portable readers are used to track equipment.

Labels with bar codes are attached to all items. The color of the label identifies whether or not the item is in APSCN or WASP. All items in the district (including APSCN) are included in the WASP inventory. Inventory checks are made periodically throughout the year. Each spring the staff is required to check inventory for their rooms by using a locally developed web based inventory check on our Intranet.

Computer Equipment Inventory

Computers for Students

Building	Computers	Students
Northside	98	289
Allen	154	591
Southside	247	888
Middle School	255	813
High School	222	1069
Totals	976	3650

Computers for Staff

Building	Computers
Northside	39
Allen	51
Southside	63
Middle School	66
High School	100
Total	319

Laser Printers

Building	B/W	Color
Northside	8	1
Allen	9	2
Southside	7	2
Middle School	12	3
High School	19	6
Totals		

In addition, all classrooms in the district have telephones, and all offices have access to a fax machine either as a stand alone unit or as part of the copier. Tandberg distance learning equipment is available in one location at the high school including two projection TV's, projector, Elmo, and DVD player.

Main Network Switches

Building	Location	Description	Manufacturer	Model
46	Hub - West	CAT1020R2C2	Cisco	WS-C3750G-48PS-S
46	Hub-Main	CAT1019Z043	Cisco	WS-C3750-48PS-S
47	Hub - E11	CAT1016R1KV	Cisco	WS-C3750G-48TS-S
47	Hub - W130	CAT1022R24Q	Cisco	WS-C3750G-48PS-S
47	Hub-Library Hub-A1	CAT1019Z048	Cisco	WS-C3750G-48TS-S
48	Custodian Hub-A2	CAT1019Z0R3	Cisco	WS-C3560-24PS-S
48	Custodian Hub-B2	CAT1019Z2NL	Cisco	WS-C3560-24PS-S
48	Electrical	CAT1019Z2NK	Cisco	WS-C3560-24PS-S
48	Hub-Cafeteria	CAT1019Z2NR	Cisco	WS-C3560-24PS-S
48	Hub-D108 Hub-E109	CAT1019Z2NJ	Cisco	WS-C3560-24PS-S
48	Data	CAT1019R0RK	Cisco	WS-C3560-24PS-S
48	Hub-Main	CAT1019Z03M	Cisco	WS-C3750-48PS-S
48	Hub-Main	CAT1016R1KG	Cisco	WS-C3750-48PS-S
49	Hub-114	CAT1019R3JD	Cisco	WS-C3750G-48PS-S
49	Hub-241	CAT1019R3GS	Cisco	WS-C3750G-48PS-S
49	Hub-264	CAT1020R2P7	Cisco	WS-C3750G-48PS-S
49	Hub-Main	CAT1016R1KC	Cisco	WS-C3750G-48TS-S
49	Hub-Main DTS	CAT1019R001	Cisco	WS-C3750G-48TS-S POWERCONNECT
50	GRAVEYARD	5CBLK31	Dell	6024 24 PORT
50	Hub-Library	CAT1019Z03N	Cisco	WS-C3750G-48TS-S
50	Hub-Main	CAT1018Z372	Cisco	WS-C3750G-12S-S
50	Hub-Main	CAT1019N1GM	Cisco	WS-C3750G-12S-S
50	Hub-Main	F0C1014Y09C	Cisco	WS-C3750G-48TS-S
50	Hub-Main	F0C1021Y28T	Cisco	WS-C3750G-48TS-S
50	Hub-N100	CAT1019R3HJ	Cisco	WS-C3750G-48PS-S
50	Hub-N110	CAT1019R3JB	Cisco	WS-C3750G-48PS-S
50	Hub-S107	CAT1018Z0TH	Cisco	WS-C3560-24PS-S

Needs Assessment

The staff completes a survey each spring to provide feedback about technology integration in the classroom, support from DTS, and professional development. Each staff member conveys technology needs to the appropriate supervisor in the spring and requests are evaluated.

Discussions are held throughout the year with all interest groups in the district to discuss technology needs. Input from parents and the community is also solicited through the district web site. Each school has active parent support groups and excellent feedback is received from those groups.

Technology changes quickly and becomes outdated very quickly. Keeping software and hardware up to date on a limited budget is a challenge. We have accomplished the goal of one lab per grade but now need to concentrate on computers for the classrooms.

Wireless technology is now available in all office and media centers areas and fine arts, but the need exists to expand wireless access throughout all areas in all buildings.

It is clear from the survey results that more training is needed and must be ongoing. More equipment and training must go hand in hand. We are now seeing requests for more advanced training in some areas. Some teachers are not taking advantage of training opportunities because they do not have the necessary equipment. As we add additional equipment the demand for training will increase.

The results of the survey administered in the spring of 2008 showed the following needs:

- More Smartboards and wireless tablets and training
- Monthly building training
- More advanced professional development tech
- More projectors
- More document cameras
- More wireless access throughout the buildings
- Piano keyboard lab
- Paper monitoring software for printers
- More classroom computers
- Power point and digital camera training
- Emphasis on creative writing essay grading software
- More laptops for both staff and students

Goals, Objectives and Strategies for Technology

Parental Involvement

Pinnacle+ district wide for the 2006-2007 school year. Pinnacle+ allows grades, lesson plans, state standards and benchmarks, attendance, and demographics to be tracked, aggregated, and viewed by teachers, administrators, students and parents. The ability to view grades and attendance has been very popular among our parents. Parents are also able to specify automatic emails which are triggered when certain conditions they specify with regard to grades or attendance are met. Teachers print progress reports each quarter to keep parents informed, and many teachers print them each week in addition to the information being available online.

The district web site is also being used to provide information for parents and to solicit input from parents. Applications are being developed by the DTS staff which increase what parents and students are able to do on the web. Students can now log in and download files from their school network drive to work on at home. In the summer students can check their schedules for the new year to allow for corrections before school starts.

New Cisco IP phones will be available in every classroom for the 2008-2009 school year. This will make it easier for teachers to stay in touch with parents. Every teacher will also have a voice mailbox, so parents will be able to ask questions and leave messages for the teachers. Many of our teachers also stay in touch with parents through email.

SchoolMessenger is used at the high school to automatically call parents to inform them of upcoming events. We are investigating the version of SchoolMessenger which integrates with our IP phone system, so that SchoolMessenger can be used district wide to call all parents whenever necessary.

Many teachers have a web site which keeps parents up to date on what is going on in the class and provides resources to enable parents to help their children at home. We also provide training for teachers on how to build web site and provide tools to make it easier and more effective. Our goals by 2012 is to require all teachers to have web sites which include lesson plans and resources for students to work at home. We are looking at several commercial sites which make it easier for teachers to construct web sites.

The district subscribes to Atomic Learning with licenses for all staff, students, and parents. Parents can use the software from home as much as they like.

In the fall of 2008 the district will provide Internet Safety training for parents which will include a toolkit parents can use to educate themselves and equip their computers at home with software which will make the Internet experience safer for their children.

Goals, Objectives and Strategies for Technology (cont.)

Technology Integration

The needs assessment showed teachers need more equipment to use technology in the classroom. It is difficult to use the Internet, for example, with the whole class without presentation equipment. It is our goal to provide more access to projectors and laptops throughout the district. Presentation devices such as the Interwrite tablets are also being purchased for each building. Several eInstruction units have been purchased and wireless tablets have been purchased for each one of those. Projectors have been added with wireless gyro mice and long cables to allow teachers to use their existing desktop with the projector. This equipment makes for a very cost effective way to integrate technology into the classroom.

Training is being provided for classroom teachers in integrating curriculum software into the classroom and will be continued. KnowledgeBox, a product from Pearson Digital, has been very popular among the teachers and more training is being provided to help teachers utilize this powerful software to design lessons with multimedia content.

Multimedia presentation stations have been added at K-8 and more are planned in each building and at the high school. Networked color laser printers are available to all staff in each school, and networked copiers and black and white lasers are also available. Deskjet printers are being phased out in favor of centrally located networked printers.

Goals, Objectives and Strategies for Technology (cont.)

ACSIP Plan

NORTHSIDE: Grades PreK-K

Goal

All students will improve in vocabulary, reading comprehension, and written expression with additional attention to literacy and content reading passage, and content and style writing domains.

Intervention

All students will use the Waterford Early Literacy program in the computer lab and classroom for review, remediation, enrichment and language development needs of ESOL. Each student will work at their own pace and on individualized skill levels. Reports will enable teachers to track and monitor individual student progress.

Goal

All students will improve in mathematics skills, specifically in the areas of Measurement, Data Interpretation, Number Sense, Properties and Operations, Data Analysis, Statistics and Probability, and Measurement.

Intervention

Manipulatives and calculators will be used to build the knowledge and skill level necessary for improved student achievement.

Students who are below proficiency in math each quarter will be remediated. Teachers may use technology, hands on manipulatives and tutoring for remediation.

Classroom teachers will be familiar with the Harcourt Internet Web site to access information, lesson plan ideas, and student assessments for classroom instructional use.

Waterford math and science that is ALIGNED to the frameworks in math, will be used in the school's computer lab and classrooms.

Students will use Waterford Software, a prescriptive computer software program, for review, extension and enrichment in the areas of math and science. It will be available on classroom computers for additional remediation as needs. Reports will track student progress and enable teachers to monitor student progress.

All students will use the Waterford Math and Science program in the computer lab and classroom for review, remediation, enrichment, and language development needs of ESOL.

Northside will add licenses for the five PreK classrooms for Waterford Reading and Math/Science. Existing licenses have been used in an after school program for PreK. The Waterford software has proven very successful with PreK students including ESL students. All of the PreK classrooms will also be equipped with SmartBoards, projectors, and document cameras.

Allen Elementary School: Grades 1-2

ACSIP

Our ACSIP goals are to improve in literacy in mathematics. We use technology in various ways to help support student achievement in literacy and math.

- Imagine Learning is the software that we have found to be extremely helpful for our language learners in increasing their literacy skills. This software is used in the classroom, in our computer labs, and in our after school Language Camp.
- SuccessMaker is a software tool that we use in our computer labs and in our classrooms to help students increase literacy and math skills.
- Knowledge Box is another technology tool that our teachers use in the classroom and in the computer lab. Knowledge Box is used by teachers to introduce classroom concepts, reinforce concepts, and make learning meaningful to their students.
- Harcourt Math is another tool used by teachers in the computer lab and in the classroom to increase math skills.
- Calculators are used in classrooms to help students increase students' math skills.

Narrative

Allen Elementary teachers use technology in a variety of ways to increase student achievement. Several of our teachers use e-instruction on a weekly basis in the classroom. Many teachers use the internet, video streaming, and various software programs in the classroom on a regular basis. All classroom teachers have students use classroom computers during the day to increase math and literacy skills. Teachers also use Knowledge Box, Harcourt Math, Accelerated Reader, and Imagine Learning in the classroom.

SuccessMaker is the primary software program being used in our computer labs. Beginning in August 2008, Waterford software will be used in the first grade lab and in first grade classrooms for first grade literacy, math, and science.

Southside Elementary: Grades 3-5

ACSIP

Southside's ACSIP goals are to improve literacy scores (specifically written expression and reading comprehension) and mathematics scores (specifically number sense, data analysis, statistics & probability, and measurement) on the Benchmark exam. One time each week the classroom teacher and their lab manager meet to analyze data from reports generated from the software packages. They look to see how their class is progressing with these ACSIP goals, but they also look at individual student data to see if the students who scored below proficient on Benchmark exam are progressing to proficiency.

In order to continue to move the students forward, the lab managers have learned to be creative. Incentive programs are developed to encourage the students to do their best during their remediation and enrichment computer time. These incentives include extra computer time, signing their name on the bulletin board outside their computer lab, certificates from the principal, stickers, and the golden mouse award given at the monthly Character Assembly for reaching a year's gain in achievement on SuccessMaker software, etc.

Because of a grant from the Walton Family Foundation, the computer labs are used to provide our ELL students an opportunity to learn the English language quicker. This after-school program uses Imagine Learning software. Parents of these students are invited to attend in order to learn English along side their child. Of the 50+ students who attend, about 8-10 parents attend from week to week.

Document cameras and projectors are used by more and more teachers at Southside. The few that we have are being used extensively. More teachers would use them, if they had access to them. Smartboards have been introduced by the librarians, who each purchased one this year.

Narrative

There are three computer labs at Southside Elementary, one for each grade. A lab manager is assigned to a lab. Each lab is focused on a particular grade level. Point-in-time remediation and enrichment activities are the focus of the lab manager. SuccessMaker software from Pearson Learning, Harcourt Math, and Imagine Learning software packages are used extensively in the labs.

The students attend computer lab 3 times per week, which include 12 minute sessions in reading and 13 minute sessions in mathematics. In addition to the computer labs, teachers provide time for supplemental computer time on the same software packages in the classroom under their teacher's direction and supervision. There are two student computers per classroom.

Middle School: Grades 6-8

ACSIP

Teachers will continue to use TRIAND to access and analyze student performance in literacy and math.

Students will continue to receive intervention during Reading class, L2, ESOL, Target, SPED, through the use of SuccessMaker, Read 180, Accelerated Writing and Accelerated Math.

Two supplemental certified instructors work with ELL students and under-performing students using SuccessMaker and Read 180 software.

Technology is used to generate and update AIPs, to document interventions and to track student progress and remediation.

Training for all programs (SuccessMaker, Accelerated Reading, Accelerated Math, STAR Reading, STAR Writing, STAR Math, Read 180, Triand) is provided to new staff members as needed.

STAR Reading and STAR Math are used to pre and post test students in order to measure growth. These are also used to assess new students.

Read 180 is used specifically with students who are two or more grade levels below in reading. The SRI component of Read 180 is used to measure Lexile gains.

Teachers communicate with parents and other stakeholders through the use of email, web pages, and newsletters.

Teachers utilize Pinnacle Gradebook Software for grades and attendance. Parents can access their students' grades electronically through a component of the same program.

Narrative

There are three computer labs supporting remediation and interventions.

Students are scheduled into computer based instruction classrooms through out the day. Students who do not score proficient are given priority for placement, with Below Basic having priority over Basic and so forth. Software used in those classrooms include SuccessMaker, Read 180, Accelerated Math and Imagine Learning. Teachers supplement the instruction in these classrooms. SuccessMaker supports both literacy and math with a Spanish component for ESOL students. Imagine Learning supports ESOL students in reading. Accelerated Reader is also used daily in the reading classroom supporting all levels of readers in 7th and 8th grades.

At other times in the day, students are scheduled into the computer labs during a Target time in the middle of the day for remediation. These students are given this time if their regular day's schedule does not support a full period of computer lab.

Special Education and ESOL classrooms have more computers to support smaller groups of students for remediation and intervention.

Technology is used through out the building to support instruction and learning in all areas. Many classrooms now have projectors which teachers use daily. Some have Elmos which are also used regularly. Projectors and Elmos are also available for checkout through the library. Students may take Computer Applications I at the Middle School which enables them to be prepared to move into CA II in the 9th grade. The mobile lab enables students to access internet sources for research and to use technology to produce final projects and/or products.

High School: Grades 9-12

ACSIP

Siloam Springs High School integrates technology through its school improvement plan through the use of technology in the following ways:

Increased parent communication (Teacher web pages, Pinnacle, PhoneMessenger, parent email database etc.)

Academic Improvement Plans (Jedi, Triand, Apex Learning, NORMES, E-Instruction is being utilized to facilitate instruction and remediation)

Technology at Siloam Springs High School serves a vital role in the schools commitment to academic excellence. Technology serves many purposes and is used in a variety of ways to support the curriculum.

- Improving the quality, flexibility, and delivery of instruction
- Motivating individuals to participate in their own academic growth.
- Providing new and innovative methods to utilize higher order thinking and problem solving skills.
- Enrich educational experience by utilizing technology for effective communication and lifelong learning.

Goals, Objectives and Strategies for Technology (cont.)

The ISTE standards for staff, students, and administrators were endorsed by the Siloam Springs School District in 2003. It is our goal to provide specific curriculum integration techniques starting in 2006 for the teachers with regard to the standards for each grade level and to provide the resources and training for meeting those goals. One lab at Southside will be devoted to technology skills for grades 3-5. The middle school will focus on the 8th grade to meet the upcoming requirements for all eighth graders to meet the No Child Left Behind requirement to be technology literate. Internet safety is always a concern and additional steps are being taken to educate students, staff, and parents on how to be safe online.

The ISTE standards for administrators are also being addressed through specific training for administrators. All administrators should have access to laptops and be proficient with Office. With wireless access at each school office beginning in 2006, PDA's have been purchased for each administrator with applications available to increase efficiency, time management, and access to student management data. Administrators are also encouraged to attend TICAL and the Hot Springs Technology Institute.

With the addition of a new elementary school in 2006, the district installed Cisco IP phones in every classroom. The new phone system was expanded to middle school in 2007. The plan is to complete expansion of the phone system in 2008 to all schools and offices. This will enable significant saving on our phone bills while provided better service to our staff. All classrooms will have display phones with voice mail.

Cell phones are also provided to administrators, and the district is investigating the use of the newer phones which integrate cell phone, Wi-Fi, Internet access and PDA capabilities into one device.

Demands on the infrastructure continue to rise. Attention to capacity and speed is ongoing. Plans are underway to partner with the city to complete the fiber loop to form a ring in order to provide for redundancy. An additional location for Internet access also needs to be provided in case of an emergency. A plan is being implemented for emergency procedures in case of an emergency or disaster to insure that data is secure and accessible and that priority services continue to be available.

During the 2007-2008 school year a pilot program was begun with the high school media center to convert library management software from Winnebago to OpenBiblio. OpenBiblio is open source and completely free. The pilot was very successful, and the program will be expanded each year at significant cost savings to the district. The savings can be used to update media centers with necessary equipment such as Smartboards and media retrieval and distribution equipment.

Goals, Objectives and Strategies for Technology (cont.)

The transportation department has digital cameras on all school buses and the Dolphin Fleet Management software which requires daily safety checks and automates reporting of problems. Every bus is also equipped with GPS capabilities which track routes on a daily basis. The transportation director also deals with bus discipline problems for each building. This guarantees consistency throughout the district related to bus problems. The cameras have proved very useful in addressing problems and also serve as an effective deterrent to prevent problems.

Technology Access for Students and Teachers

The district is committed to providing a lab for each grade level with appropriate software. Labs, however, do not take the place of classroom computers. Until technology gets cheap enough to provide each student with a wireless device, more computers are needed in the classrooms for research, writing, remediation, and enrichment.

There is also a need to keep equipment up to date for both the students and staff. The district has adopted a 20% plan for keeping computers upgraded. At this rate every computer would be replaced every five years. We are also evaluating the advantages of a lease program. The lease program is very attractive in terms of keeping computers up to date and getting rid of old inventory.

Students at the high school have access to a distance learning lab. The need exists to expand the students taking advantage of the courses available from the ADE and Math and Science School and from other sources. It is the goal of the new elementary administration to provide a distance learning lab for elementary students for foreign language. A grant is being sought to help pay for the lab. AP classes will be available through distance learning for the fall of 2008.

The Adopters and parent support groups have been very supportive of technology and instrumental in providing laptops, projectors, laser printers, and other technology equipment to the schools.

After school programs also exist where parents and student are able to work together on the computer for language development.

Policies and Procedures

The district enforces an acceptable use policy for all students and staff. Signatures are required by students and their parents before access to the computer is granted. The student policy is explained to the students in each class at the beginning of school. The policy is also on the district web site. The policy for staff and students is attached. Elements related to CIPA are including in the student's policy. School resource officers also discuss elements of safety and acceptable computer usage with the students.

The policies cover district ownership and expectations for use of the equipment and identify examples of misuse and possible penalties for misuse. The policy of the district is to encourage the educational use of technology while maintaining practices which enable safe and secure computing for all users on the network.

The district uses Internet access provided by the state of Arkansas which includes Internet filtering software which blocks access to pornography and unsafe web sites. The district does not guarantee that all such sites are blocked, but also encourages teachers to be diligent in supervising student use of computers too.

The district also provides spam blocking software and virus protection software on all desktop machines. The Windows operating system is automatically updated with patches and revisions. Users are cautioned to abide by copyright laws and software licenses.

Technology Infrastructure, Management, and Support

The district is composed of five buildings connected by fiber in a star configuration. The fiber all terminates at high school south. Internet access is provided by the Arkansas Public School Computer Network (APSCN). APSCN provides the district with a 20Mbps circuit for Internet access. The Ethernet network is comprised of Cat 5 and Cat 5e wiring with fiber optic backbones between buildings and major closets. Novell Netware is our LAN operating system. All servers are centrally located at high school south which provides ease of access and centralized maintenance. Microsoft terminal servers allow teachers to access their files and server applications from any Internet accessible point. Email is provided with GroupWise. Linux servers provide DHCP, firewall, and routing services on our private network. Novell's School License Agreement (SLA) is purchased for Netware, ZenWorks, and GroupWise; these 3 provide our network operating system, imaging, inventory control, desktop remote control, policy control, application access and email. Wireless access points are also being supplied in each building for to support PDA's, notebooks, and handheld devices. DTS currently supports approximately 36 Netware, Linux, and Windows servers in the main switch room at high school south.

Internet/Intranet

The public school web site contains information for the general public and provides access to resources for teachers from home. Each school also maintains a web site with news and resources specific to their school. These sites are maintained by webmasters who received an annual stipend. Teachers are also encouraged to keep a class web site for each class they teach. Resources and training are provided which make it easier for the teachers to maintain a web site. A server has also been added which allows surveys to be completed and analyzed online.

Proprietary District Applications on Chalkboard

Student Lookup – Student Lookup allows teachers and administrators to lookup student information anywhere in the district. The application includes demographic information, class schedules, student photos, and network login information. The application also has special functions such as an envelope maker and a student network password manager.

School eStores – The School eStores are used to track school supply inventory. At the beginning of each year, teachers are given a set virtual credit limit in which they can use to "buy" school supply throughout the year.

Discipline Center – The Discipline Center provides an efficient way of tracking and logging student discipline notices.

Technology Infrastructure, Management, and Support (cont.)

District web site: <http://sssd.k12.ar.us>

The purpose of The District's public web site is to provide information to students, parents and the general public. It contains news, financial records, and general information. The future plan for the public site is to provide more services and information to students and parents.

Web applications currently available:

Student Web Login – The Student Web Login will be used to identify users and protect sensitive areas of the web site. This login will be directly tied to the student's network login. Therefore, the student will only have to remember one login.

Student Face Book – The Student Face Book will allow students to look up basic information.

Student Schedules – The Student Schedules application will provide class schedule information to students.

Course Catalog – The Course Catalog will show students all courses available at their school, and also allow them to see the teachers who teach those courses.

Management

Support

The staff is surveyed each spring to determine the level of satisfaction with DTS support. On a scale of 1 to 5 with 1 being lowest/unsatisfactory and 5 being highest/most satisfied, the results for the last six years are as follows:

	02-03	03-04	04-05	05-06	06-07	07-08
Response Time	4.67	4.55	4.20	4.3	3.96	4.23
Knowledge of Staff	4.85	4.85	4.57	4.62	4.54	4.71
Courteousness	4.86	4.72	4.57	4.65	4.59	4.72
Overall	4.82	4.70	4.43	4.53	4.34	4.45

Technology Infrastructure, Management, and Support (cont.)

The DTS staff initiated an electronic helpdesk in August 2002 from Liberum Help Desk. This software allows DTS and users to enter problems from any computer in the district. Problems are tracked and sorted based on category, the user who entered it, or the helpdesk representative it was assigned to. The software is very reliable and completely free. Tickets are automatically assigned to DTS staffers based on the type of problem submitted.

DTS has taken steps to eliminate problems by installing antivirus software on all desktop machines. No major virus outbreaks have occurred since using the software. The software is continuously and automatically updated. The district also uses anti-spam software for email which blocks about 76% of the incoming mail.

Microsoft Windows and Office updates are free from Microsoft and DTS automatically installs patches to all Windows 2000/XP computers and Office products.

Microsoft group policies allows DTS to make administrative changes to all computers such as making registry changes to make the computers more stable and protect them from malicious software.

ZenWorks imaging allows DTS to deploy a standardized image on all new and old computers. ZenWorks Remote management gives DTS the capability to centrally manage all computers in district. DeepFreeze software is also used on computers in the labs so that machines will stay in the exact state in which they were originally deployed.

Staffing: according to the Arkansas School Facility manual (September 2005) the recommendations for technology staffing are one technology support person for every 150 computers. DTS now employs 5 full time support staff. Another full time staff member will be needed soon. There are over 1,000 computers in the district now. As more computers, equipment, and software are added, the support staff must also be increased in order to provide the level of support necessary to encourage technology integration in the classroom.

In March of 2008 a new Internet circuit was activated at the main data closet at high school south which eliminated the individual T1 circuits at each school building. It is a 20Mbit circuit from Cox Communications paid for by ADE and eRate. This allows for centralized management and monitoring. The data and voice circuits are submitted for erate support by the state. Without support from the erate program, the state could not afford the bandwidth necessary to sustain the state network. Erate funds are very important on the local and state level to supplement our efforts to provide the technology needed to meet the needs of staff and students. Technology is becoming increasingly important for the day to day functioning of all aspects of the school plant and we must provide services on a 24/7/365 basis.

Budget Summary

Technology Budget

Budget Summary

Infrastructure

DTS began a major upgrade to the district infrastructure in 2006-2007. Fiber links now exist between buildings and between all major wiring closets in all buildings allowing for gigabit connectivity, except at Northside elementary. Some of the wiring closets do not have patch panels installed, but this will be corrected as time and money permit.

All of the core switches were replaced with Cisco managed switches with gigabit capability. Standardization with Cisco equipment will allow the district to begin implementation of a district wide VOIP phone system, provide voice mail at all schools, manage bandwidth for Internet usage, provide redundancy, centrally manage and troubleshoot the network, and allow for further expansion.

Funding Sources

- Local
- State
- Federal
- eRate
- Donations
- Fund Raisers
- Adopters
- Grants
- Recycling

It is a serious challenge to keep hardware and software updated. The district is looking at all possibilities to help meet the ever changing needs of users, including leasing computers. The district will continue to apply for grants and look for new sources to help fund technology.

Technology Plan Implementation

Evaluation of Technology Plan 2006-2009		
Goal	Budget	Completed
Continue 20% replacement policy for staff computers.	\$42,500	partial
Continue 20% replacement policy for student computers.	\$102,000	partial
Additional lab at Southside	\$22,100	yes
Additional lab at Middle School	\$26,350	yes
Additional lab at middle school	\$26,350	yes
Additional lab at high school	\$28,050	yes
Mobile lab at high school	\$50,000	no
Additional lab at high school	\$28,050	yes
District network equipment	\$52,803	yes
Phone system new elementary	\$29,865	yes
Phone system Southside	\$32,112	no
Phone system Middle School	\$30,577	yes
Phone system Northside	\$21,369	n/a
Phone system High School	\$39,786	n/a
Put inventory on district Intranet		yes
Provide short tutorials on common computer problems.		yes
Add a move/change form for inventory items on Intranet.		no
Add a FAQ, frequently asked questions, section to Chalkboard.		no
Add two computers in Discovery classroom at new elementary	\$1,700	yes
Replace 2 computers in SSW Discovery classroom	\$1,700	yes

Technology Plan Implementation (cont.)

Replace 2 computers in MS Discovery classroom	\$1,700	yes
Add 1 laptop computer to be used by HS and MS for academic competitions, presentations, etc.	\$1,500	yes
Add 1 laser printer for SSW Discover classroom	\$600	yes
Select and purchase enrichment software for gifted students	\$2,500	yes
Replace outdated teacher computers in special ed classrooms.	\$8,500	yes
Purchase skill building software to check out with laptop to be able to work on at home.	\$15,000	yes
Replace outdated computers in special ed classrooms with small labs (4 computers each).	\$24,650	yes
Provide ATEAM members with iPAQ handheld computers.	\$10,000	partial
Provide training for iPAQs	Provided by DTS trainer	yes
Introduce Tablet PC; provide book to each trainee "Seize the Work Day", Michael Linenberger	\$2,000	no
Advanced GroupWise training in calendar management and document collaboration	Provided by DTS trainer	no
Provide training sessions specifically related to use of Windows Terminal Services		partial
Imagine Learning		yes
Teachers and staff will maintain a regularly updated web page with contact information and other information as determined by their administrator.		partial
Purchase Excelsior Pinnacle + grade book software district wide.	\$53,000	yes
SNAP surveys		yes
Netware SLA	\$6,256	yes
GeeWhiz	\$525	yes
eTrust	\$3,145	yes

Technology Plan Implementation (cont.)

IP cameras for Southside elementary and Maintenance.	\$35,000	n/a
IP Cameras for high school.	\$30,000	n/a
Provide additional projectors for checkout from library.	\$4,000	yes
Additional laptops for checkout from the library	\$7,500	yes
InterWrite Tablets	\$2,500	yes
Backup software for district	\$2,000	yes
Cisco switches	\$148,070	yes
Network management software	\$7,296	yes
UPS Systems	\$5,000	yes
Wireless access points	\$10,934	yes
Provide training section on Chalkboard (school intranet) for accessing Windows Terminal Services		no
Provide access for students to files at school.	\$1,500	yes
Implement iFolder from Netware for administrators		no
Technology Day at beginning of school.		yes
Atomic Learning Subscription	\$4,687	yes
SchoolCenter Subscription	\$14,000	partial
Training sessions as needed		yes
SuccessMaker		yes
KnowldegeBox		yes
IP cameras for new elementary.	\$60,000	yes
IP cameras for middle school and transportation.	\$35,000	no

Action Timeline

Technology Goal: Use technology to help administrators with efficiency and time management.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Provide one device to incorporate functions of cell phone, internet access, handheld computer.	CFO	2008-2009	New cell phones	Staff	\$4,000	Local
Tablet PC for checkout	DTS	2009	Computer	Staff	\$1,500	Local
Provide training and support for advanced features of GroupWise for calendaring and time management.	J. Henderson	2009	None	Staff	None	N/A
Ifolder from Novell	J. Blair	2009	None	Staff	None	N/a

Evaluation: Evidence of equipment purchased and training provided. Administrators will evaluate new equipment.

Action Timeline (cont.)

Technology Goal: Increase availability of technology for staff and students.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Continue 20% replacement policy for staff computers with shift to laptops instead of desktops.	DTS	2009-2012	Laptops	None	\$20,000	Local
Continue 20% replacement policy for student computers.	DTS	2009-2012	Desktops	None	\$160,000	Local
Install 3 to 5 computers in all classrooms as needed.	DTS	2009-2012	Computers	None	\$16,000 (20 per year)	Grants/Donations/Federal
Install district pod casting server.	Webmaster	2009	None	None	\$1,500	Local

Evaluation: Evidence of equipment purchased and installed.

Action Timeline (cont.)

Technology Goal: Make use of technology to improve services for parents.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Electronic payment for meals, athletics, annuals, etc.	Food Service Director	2009	None	None	None	N/A
Provide software such as TeacherWeb district wide to improve/expand teacher web sites	DTS	2009	Computers	Staff	\$8,000	Federal
Use podcasting and videos for portfolio assessment and to keep parents informed of student progress.	DTS	2009	Server	Staff	None	N/A

Evaluation: Evidence of equipment purchased and training provided. Teachers will be surveyed to determine effectiveness of new software.

Action Timeline (cont.)

Technology Goal: Use the Intranet more for tech support.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Provide tutorials on common problems.	Webmaster	2009-2012	None	None	None	N/A
Complete a move/change form for inventory and add map of each building to show technology inventory.	Webmaster	2009	None	None	None	N/A
Add FAQ section on technology to Chalkboard.	Webmaster	2009	None	None	None	N/A

Evaluation: Evidence of sections posted to web sites.

Action Timeline (cont.)

Technology Goal: Update technology for Gifted/Talented services.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Purchase Macintosh for GT in middle school for video production and podcasting	DTS	2009	Computer and software	None	\$2,000	GT Budget
Purchase Macintosh for GT at Southside for video production and podcasting	DTS	2009	Computer and software	None	\$2,000	GT Budget
Additional classroom computers (2 per year, total 6)	DTS	2009-2012	Microsoft Windows/Office	None	\$4,800	GT Budget

Evaluation: Evidence of equipment purchased.

Action Timeline (cont.)

Technology Goal: Backup system for main data closet

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
UPS	DTS	2009-2012	None	None	\$10,000	Local
Generator	DTS	2009-2012	None	None	\$25,000	Local
Backup A/C	DTS	2009-2012	None	None	\$5,000 Estimated	Local

Evaluation: Evidence of equipment purchased.

Action Timeline (cont.)

Technology Goal: Professional development

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Tech day at beginning of school.	DTS	2009-2012			N/A	N/A
Monthly building level professional development.	Building tech support staff	2009-2012			N/A	N/A
Hire tech integration specialist.	DTS	2011			\$50,000	Local
Training sessions as needed.	J. Henderson	2009-2012			N/A	N/A

Evaluation: Evidence of equipment purchased.

Action Timeline (cont.)

Technology Goal: Licenses and upgrades for software.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Imagine Learning	DTS	Annual			\$1,000	Federal
Pinnacle+	DTS	Annual			\$7,800	Federal
GeeWHiz (Spam)	DTS	Annual			1,125	Local
Virus Protection	DTS	Annual			\$2,500	Local
Pearson	DTS	Annual			\$25,500	Federal

Evaluation: Evidence of software renewed.

Action Timeline (cont.)

Technology Goal: Infrastructure upgrades

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Complete fiber loop for redundancy.	DTS	2009-2012	None	None	\$40,000	Local/Grant/Donations
Network management software.	DTS	2010	None	None	\$5,000	Local
Wireless access points and controllers (50).	DTS	2009-2012	None	None	\$15,000	Local/Grant/Donations

Evaluation: Evidence of equipment purchased.

Action Timeline (cont.)

Technology Goal: Provide additional equipment for Northside.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Additional licenses for Waterford in Kindergarten (16 total)	DTS	2009-2012	None	None	\$76,800	Federal
Upgrade to new version of Waterford	DTS	2009-2010	None	Pearson	\$20,080	Federal
Additional classroom computers (2 each=32)	DTS	2010-2012	Microsoft Windows	None	\$25,600	Federal
Smartboard for library	DTS	2009	None	Vendor	\$2,100	Local
Smartboard for counselor	DTS	2009	None	Vendor	\$2,100	Local

Evaluation: Evidence of equipment purchased and evaluation of training provided.

Action Timeline (cont.)

Technology Goal: Provide additional equipment for Allen Elementary.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Additional Smartboards in library, 1 st floor and 2 nd floor (3)	DTS	2009-2010	None	Staff/Vendor	\$6,000	Local
Projectors for all classrooms and one additional on a cart (25).	DTS	2009-2012	None	Staff	\$15,000	Local
Add 2 computers for each classroom (60).	DTS	2009-2012	Microsoft Windows/Office	None	\$48,000	Local
Add one document camera per pod of 4 teachers (10).	DTS	2009-2010	None	Staff	\$6,000	Local
Additional eInstruction units (6).	DTS	2009-2012	None	Staff	\$12,000	Federal
Replace teacher desktops with laptops						
Additional Airliners (6).	DTS	2009-2012	None	Staff	\$2,400	Local
Smart phone for principal and assistant principal.	DTS	2009	None	None	\$800	Local

Evaluation: Evidence of equipment purchased and evaluation of training offered.

Action Timeline (cont.)

Technology Goal: Equipment for Southside Elementary.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Document cameras for all classrooms (35).	DTS	2009-2012	None	Staff	\$21,000	Local
Mount projectors in all classrooms (30).	DTS	2009-2012	None	Staff	\$18,000	Local
Add 1 additional computer for each classroom.	DTS	2009-2012	None	None	\$0	N/A
Purchase laptops for teachers and use the teacher computer as classroom computer.	DTS	2009-2012	Microsoft Windows/Office	None	\$35,000	Local
Add microphones to labs for Imagine Learning	DTS	2009	None	None	\$300	Local
Make Office compatible in all labs.	DTS	2009-2010	None	None	\$1,500	Local
Replace intercom system.	Maintenance	2009	None	None	\$25,000	Local
Provide a TV for each classroom. Grade per year.	Principal	2009-2012	None	None	\$8,000	Local
Docment cameras for all literacy teachers(18).	DTS	2009-2012	None	Staff	\$10,800	Local

Evaluation: Evidence of equipment purchased and evaluation of training offered.

Action Timeline (cont.)

Technology Goal: Equipment for Middle School.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Provide additional projectors for classroom.	DTS	2009-2012	None	None	\$18,000	Local
Add (4) computers to each classroom.	DTS	2009-2012	Microsoft Windows/Office	None	\$96,000	Local
Replace teacher computer with laptop.	DTS	2009-2012	Microsoft Windows/Office	None	\$50,000	Local
Add 30 station lab.	DTS	2009	Microsoft Windows/Office	None	\$24,000	Local
Additional tablets (Interwrite or Airliner)	DTS	2009-2012	None	Staff	\$6,000	Local
Smartboard for library.	DTS	2009	None	Staff/vendor	\$1,700	Local
iPod lab for student learning.	DTS	2010	None	Staff	\$3,000	Local
Mini lab for band room.	DTS	2012	None	None	\$5,000	Local
Doc cameras for literacy teachers	DTS	2009-2010	None	None	\$3,000	Local

Evaluation: Evidence of equipment purchased and evaluation of training offered.

Action Timeline (cont.)

Technology Goal: Equipment for high school.

Activities to Support this Goal	Person(s) Responsible	Timeframe for this Activity	Hardware & Software Required	Professional Development Required	Cost (Budget) for this Activity	Source of Funds
Additional Smartboard.	Media Specialist	2008-2009	Provided	Staff	\$1,700	Fund raiser
Additional wireless access points.	DTS	As needed	Provided	None	\$1,000	Local
Provide projector and document camera for every classroom (15 per year).	DTS	2009-2012	Provided	Staff and vendor	\$45,000	Local
Additional computers for student use (30 per year)	DTS	2009-2012	Microsoft Windows/Office	None	\$72,000	Local
Additional scanners, printers, and Interwrite tablets (as needed)	DTS	As needed	Provided	None	\$10,000	Local
Security cameras for entire high school campus.	DTS	2009-2012	Provided	DTS Staff	\$15,000	Grant/ Donation
Provide equipment for producing podcasts.	DTS	2009	Computer and software	Staff	\$5,000	Local
Additional digital cameras and digital video cameras.	DTS	As needed	None	None	\$3,000	Department budgets
Add software for classroom management.	High school principal	2009-2010	Provided	Staff	\$5,000	Local
Additional eInstruction CPS systems.	DTS	2009-2012	Provided	Staff	\$3,000	Local

Evaluation: Evidence of equipment purchased and evaluation of training offered.

Technology Plan Evaluation

Connectivity/Infrastructure

Installation of the fiber network to connect the buildings was a major advancement in infrastructure. Core switches have been replaced by Cisco managed switches providing gigabit connectivity between buildings. DST will monitor the need for additional switches throughout the year. Bandwidth usage is monitored constantly in order to make adjustments necessary to insure that high priority users and applications receive the needed bandwidth. Wireless access will be expanded each year as needed until all the buildings have wireless access throughout the building.

Hardware

Every effort will be made to replace 20% of our computers each year for the staff and students and to continue adding labs as needed. It is important that enough computers are available to support the goals of remediation and enrichment. Department heads and principals will assist the DTS staff in insuring that enough equipment is available to meet curriculum goals.

Integration

A variety of input is available to assess the amount of technology integration in the classrooms, including input from the principals and assistants who actually make classroom visitations. Surveys are conducted each spring to determine what is being done and what equipment is needed.

Professional Development

DTS provides a significant amount of in-service training each year, but it is very important that the amount of training is increased and that a proportionate part of the technology budget is spent for training. Progress will be monitored closely to make sure needs are being met. The new software purchased for the district requires an evaluation be made of the training before credit is given.

Fiscal Support

Providing adequate financing is always a challenge, but it is hoped that savings will be a direct result of the implementation of this plan which can be put into other areas such as new hardware and software. A district wide phone system, for example, will save the district a significant amount of money. Centralizing administration allows the DTS staff to offer more services for less money. The district administration

Technology Plan Evaluation (cont)

and technology committee will continue to work extremely hard to evaluate all aspects of the plan to guarantee quality results from the money invested in technology.

A new high school will place additional demands on budgeting. Alternative funding sources are being pursued to secure the necessary funding needed to equip the new school with technology. Work is underway with partners such as Dell and Cisco to provide the equipment and infrastructure necessary to make the new high school a 'technology rich' school. Erate funds will be applied for as well. It is hoped that the new school will be equipped with the latest technology which will allow staff and students to use technology in new and innovative ways to meet the needs of every student.

TECHNOLOGY PLAN STATEMENT OF ASSURANCES

School District Siloam Springs School District

The LEA, in accordance with the Arkansas Department of Education policies and procedures, by submitting this local technology plan, hereby assures that:

1. The LEA is an equal opportunity employer and shall perform to all affirmative action and other applicable requirements; accordingly, the applicant does not discriminate nor permit discrimination in its operations or employment practices against any person or group of persons on the grounds of race, color, religion, national origin, handicap or sex in any manner prohibited by law. Further, the applicant agrees to comply with the Civil Rights Acts of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975 and the Americans with Disabilities Act.
2. The LEA agrees that the Arkansas Department of Education, or any of its duly authorized representatives, at any time during the terms of this technology plan, shall have access to, and the right to audit examine any pertinent books, documents, papers, and records of grantee related to this plan.
3. The LEA certifies that they have not been barred from contracting or otherwise doing business with the State or Federal Governments.
4. This plan, and all matters or issues collateral to it, shall be governed by, and construed in accordance with, the laws of the State of Arkansas.
5. This plan has been reviewed and approved by the District Technology Committee, the District Superintendent, and the approved by the School Board.

Signature of School Board President	Date
Signature of Superintendent	Date
Chairperson, District Technology Committee	Date

=====

District Technology Coordinator/Contact:

Name: Rick Jones	Telephone #: 49-238-3502
Title: District Technology Coordinator	
Email: rick.jones@sssd.k12.ar.us	FAX: 479-524-6207

School District Acceptable Use Policy

4.29—STUDENT TECHNOLOGY ACCEPTABLE USE POLICY

The Siloam Springs School District makes computers and Internet access available to students to perform research and to allow students to learn how to use computer technology. Students will be taught how to use the network, how to be responsible network citizens, and learn guidelines for ethical conduct in this new global community. The current version of the computer use agreement is incorporated by reference into Board policy and is considered part of the student handbook. The Siloam Springs School District agrees to allow Students to use the District's computers and to access the Internet under the following terms and conditions:

Conditional Privilege

The Student's use of the District's computers is a privilege conditioned on the Student's abiding to this agreement. No student may use the District's computers unless the Student and his/her parent or guardian have read and signed this agreement.

No Guarantees

The District will make good faith efforts to protect children from improper or harmful matter that may be on the Internet. The District utilizes filtering software provided by the State of Arkansas Department of Information Services. The District has the right to further limit access to sites which seriously degrade network performance or are determined by the District Administration as non-essential or detrimental to the educational process. At the same time, in signing this agreement, the parent and Student recognize that the District makes no guarantees about preventing improper access to such materials on the part of the Student.

Misuse of the District's Computers

Includes, but is not limited to the following:

- Failing to obey school or classroom acceptable use rules.
- Use of computers for other than educational purposes without permission.
- Gaining intentional access or maintaining access to materials that are "harmful to minors" as defined by Arkansas state law, A.C.A. 6.21.111.
- Using computers for any illegal activity, including computer hacking and copyright or intellectual property law violations.

School District Acceptable Use Policy

- Accessing "chat lines" unless authorized by the instructor for a class activity directly supervised by a staff member.
- Using abusive or profane language in private messages on the system; or using the system to harass, insult, or verbally attack others (cyberbullying).
- Posting anonymous messages on the system.
- Using encryption software.
- Wasteful use of limited resources provided by the school including paper.
- Causing congestion of the network through lengthy downloads of files.
- Vandalizing data of another user.
- Obtaining or sending information that could be used to make destructive devices such as guns, weapons, bombs, explosives, or fireworks.
- Gaining unauthorized access to resources or files.
- Identifying oneself with another person's name or password or using an account or password of another user without proper authorization.
- Using the network for financial or commercial gain without District permission.
- Theft or vandalism of data, equipment, or intellectual property.
- Invading the privacy of individuals.
- Attempting to gain access or gaining access to student records, grades, or files.
- Introducing a virus to, or otherwise improperly tampering with, the system.
- Degrading or disrupting equipment or system performance.
- Creating a web page or associating a web page with the school or school District without proper authorization.
- Providing access to the District's Internet Access, Intranet, or Network to unauthorized individuals.
- Taking part in any activity related to computer use that creates a clear and present danger or the substantial disruption of the orderly operation of the District or any of its schools.
- Installing software or changing the configuration on computers without permission from the classroom teacher or technology staff.
- Using external media (such as floppy disks, zip disks, etc.) without permission of the classroom teacher. Note: external media must always be scanned for viruses before using on the District's computers.
- Using public property for personal gain, which is a felony and subject to prosecution.
- Using unauthorized devices or attaching devices to the network including but not limited to: personal laptop or desktop computers, wireless access points, MP3 players, phones, and network switches or routers.
- Providing access to the District's Internet Access, Intranet, or Network to unauthorized individuals.
- Using public property for personal gain, which is a felony and subject to prosecution.
- Using unauthorized devices or attaching devices to the network including but not limited to: personal laptop or desktop computers, wireless access points, MP3 players, phones, and network switches or routers.

School District Acceptable Use Policy

- Using unauthorized devices or attaching devices to the network including but not limited to: personal laptop or desktop computers, wireless access points, MP3 players, phones, and network switches or routers.
- Taking part in any activity related to computer use that creates a clear and present danger or the substantial disruption of the orderly operation of the District or any of its schools.
- Installing software or changing the configuration on computers without permission from the classroom teacher or technology staff.
- Using external media (such as floppy disks, zip disks, etc.) without permission of the classroom teacher. Note: external media must always be scanned for viruses before using on the District's computers.

Penalties for Improper Use

Classroom

Violations of the Computer and Internet Use policy are subject to the steps defined in the Student Handbook or Board Policy with regard to student discipline. Serious infractions may result in immediate loss of access to District computers and/or the Internet. Applicable state and federal laws apply.

Signatures

The Siloam Springs School District offers network access to all students who agree to abide by the acceptable use policies, sign a contract, and have parent permission.

Student Agreement and Parent Permission Form

Before access may be granted, signature of user must be submitted on this form to the building office. The Siloam Springs School District offers network access to all students who agree to abide by the acceptable use policies, sign a contract, and have parent permission.

Student's Name (Please Print) _____ Grade Level _____

School _____ Date _____

We, the persons who have signed below, have read this agreement and agree to be bound by the terms and conditions of this agreement.

Student's Signature: _____ Date _____

School District Acceptable Use Policy

As parent/legal guardian of the student signing above, I grant permission for my child to access networked computer services including the Internet. I have read and agree to the Acceptable Use Policies, and I understand that I may be held responsible for violations by my child. I understand that some material on the Internet may be objectionable; therefore, I agree to accept responsibility for guiding my child and conveying to him/her appropriate standards for selecting, sharing, and/or exploring information and media.

Parent/Legal Guardian Signature: _____ Date _____

3.28—CERTIFIED PERSONNEL TECHNOLOGY ACCEPTABLE USE POLICY

The Siloam Springs School District provides computers and/or Internet access to assist employees in performing work related tasks. Computers are the property of the District and are provided solely for educational use.

The Siloam Springs School District agrees to allow the employee identified below to use the District's technology under the following terms and conditions

:

Conditional Privilege: The Employee's use of the District's access to the Internet is a privilege conditioned on the Employee's abiding to this agreement.

Acceptable Use: The Employee agrees that in using the District's Internet access he/she will obey all federal and state laws and regulations. Internet access is provided as an aid to employees to enable them to better perform their job responsibilities. Under no circumstances shall an Employee's use of the District's Internet access interfere with, or detract from, the performance of his/her job-related duties or interfere with the rights of others to access the network, Internet, or Intranet

Penalties for Improper Use: If the Employee violates this agreement, the Employee shall be subject to disciplinary action up to and including termination. Misuse of the District's computers includes, but is not limited to, the following:

- Using the Internet for any activities deemed lewd, obscene, vulgar, or pornographic as deemed by prevailing community standards.
- Using abusive or profane language in private messages on the system or using the system to harass, insult, or verbally attack others.
- Posting anonymous messages on the system.
- Using encryption software.
- Wasteful use of limited resources provided by the school, including paper and printing supplies.

School District Acceptable Use Policy (cont.)

- Obtaining or sending information that could be used to make destructive devices such as guns, weapons, bombs, explosives, or fireworks.
- Using the network for financial or commercial gain without District permission, theft or Causing congestion of the network through lengthy downloads of files.
- Vandalism of data, equipment, or intellectual property.
- Excessive use of computers, computer equipment, or Internet access for personal use.
- Gaining unauthorized access to resources or files.
- Identifying oneself with another person's name or password or using an account or password of another user without proper authorization.
- Invading the privacy of individuals.
- Using the Internet for any illegal activity, including computer hacking and copyright or intellectual property law violations.
- Introducing a virus to, or otherwise improperly tampering with the system.
- Degrading or disrupting equipment or system performance.
- Creating a web page or associating a web page with the school or District without proper authorization.
- Attempting to gain access or gaining access to student records, grades, or files of students not under their jurisdiction.
- Providing access to the District's Internet Access to unauthorized individuals or taking part in any activity related to Internet use which creates a clear and present danger of the substantial disruption of the orderly operation of the District or any of its schools.
- Installing unauthorized software.
- Purchasing hardware or software without approval from the building principal or the District's technology staff.
- Moving hardware without the permission of the technology staff.
- Using unauthorized devices or attaching unauthorized devices to the network including but not limited to: personal computers, PDA's, WiFi enabled phones, and wireless access points. If additional technology equipment is needed in the performance of duties, it should be requested through District Technology Services (DTS).

School District Acceptable Use Policy (cont.)

No Expectation of Privacy: The Employee signing below agrees that in using the Internet through the District's access, he/she waives any right to privacy the Employee may have for such use. The Employee agrees that the District may monitor the employee's use of the District's Internet Access and may also examine all system activities the Employee participates in, including but not limited to e-mail, voice, and video transmissions, to ensure proper use of the system.

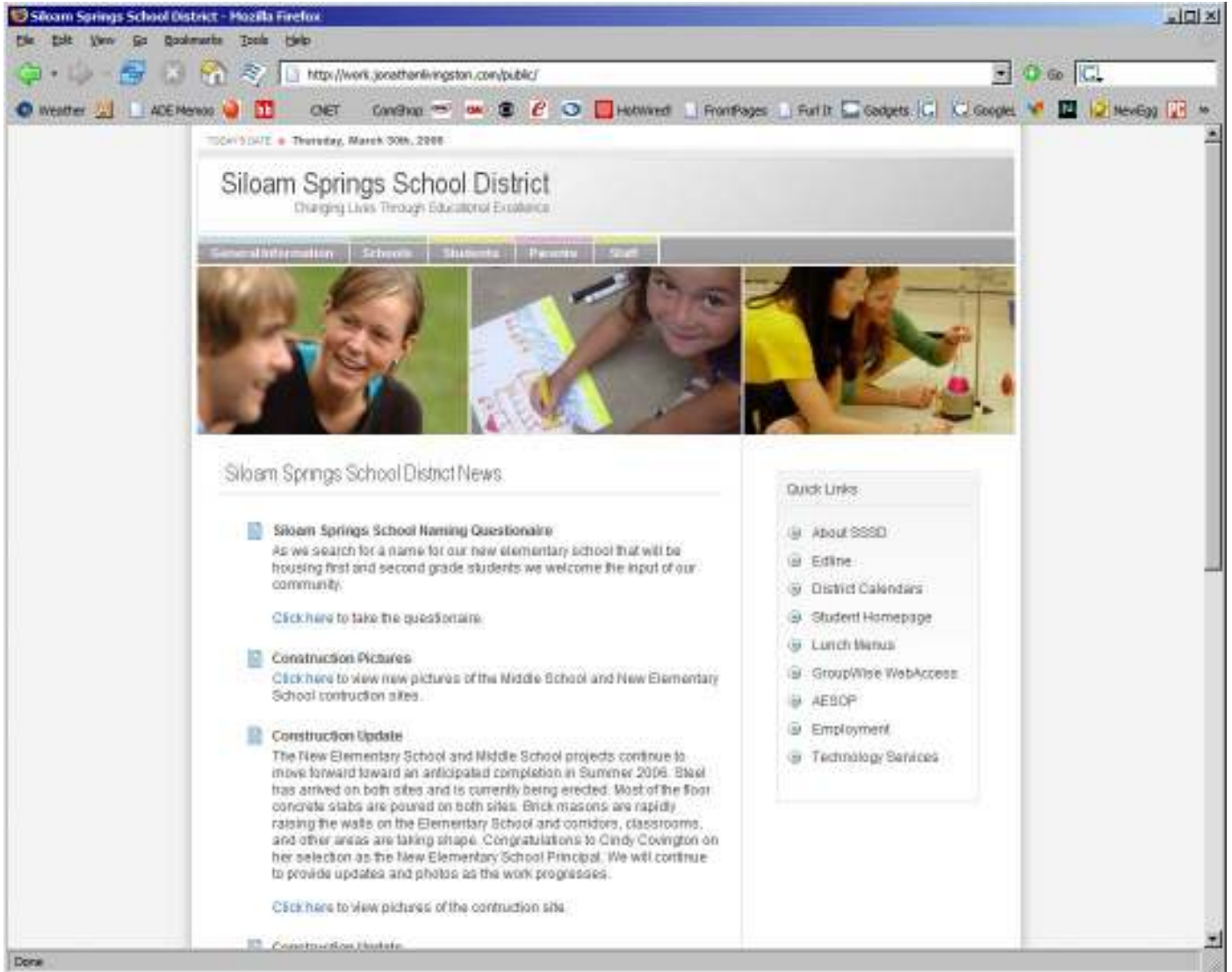
Signature: The Employee, who has signed below, has read the Employee Computer Use Policy and agrees to be bound by its terms and conditions.

Name (Please Print) _____

School _____ Date _____

Employee's Signature _____ Date _____

Web site for Siloam Springs School District <http://sssd.k12.ar.us>



Intranet for Siloam Springs School District Chalkboard

TheChalkboard SSSD's Intranet Website

Home | SSSD's Intranet Website | High School | Middle School | Southside West | Southside East | Northside

Chalkboard SearchBox

Teacher Tools

- AESDP
- Bus Requests
- Classroom Behavior Checklist
- Curriculum
- Discipline Center
- GroupWise WebAccess
- Health Concern Lists
- Parent Involvement Database
- Professional Development
- Staff Directory
- Student Lookup
- TechPaths
- Test Data

School eStores

- Southside West
- Southside East
- Northside

DTS Links

- DTS Helpdesk
- District Technology Services

Internal Links

Chalkboard Calendar

Today, March 27
+ Iowa Test of Basic Skills - Gr. K-2

Tuesday, March 28
+ Iowa Test of Basic Skills - Gr. K-2

Wednesday, March 29
+ Iowa Test of Basic Skills - Gr. K-2
+ SLP session 2

[View Full Calendar](#)

Staff Birthdays

Debbie Sharp	Mar 27	HS
Stephanie Goddard	Mar 28	HS
Elaine Stacy	Mar 29	HS
Sandra Will	Apr 1	MS

[View All Birthdays](#)

Local Weather

Chalkboard Poll

I like my cookies

- soft
- crunchy
- chewy
- by the dozens

[Vote](#)
[View Results](#)

Total Students 3452

Gender	Total
Male	1768
Female	1684

Revised Calendar and Salary Schedules

The majority of the SSSD faculty & staff approved the proposed revised 2006-2007 Calendar and the proposed changes to the Salary Schedules. The new calendar and salary schedules are effective immediately. The Business Office is working on your new contracts and raise checks. They will be distributed as soon as possible, but not before Spring Break (som). The new Salary Schedules are posted under the Administration link on the SSSD public web site.

3/18/2006 [View Post Comments \(0 total\)](#) [Print](#)

Women's History Month

March is Women's History Month, a federally recognized, nationwide celebration that encourages all Americans to reflect on the ways in which women have shaped U.S. history.

Extra! Women's History Month (CNN Student News)
Women's History Month (The History Channel)

3/13/2006 [View Post Comments \(0 total\)](#) [Print](#)

School Board Approves 2006-07 District Calendar

The School Board approved the 2006-07 School Calendar at their February 15th meeting.

[Click here to view the calendar.](#)

2/15/2006 [View Post Comments \(0 total\)](#) [Print](#)

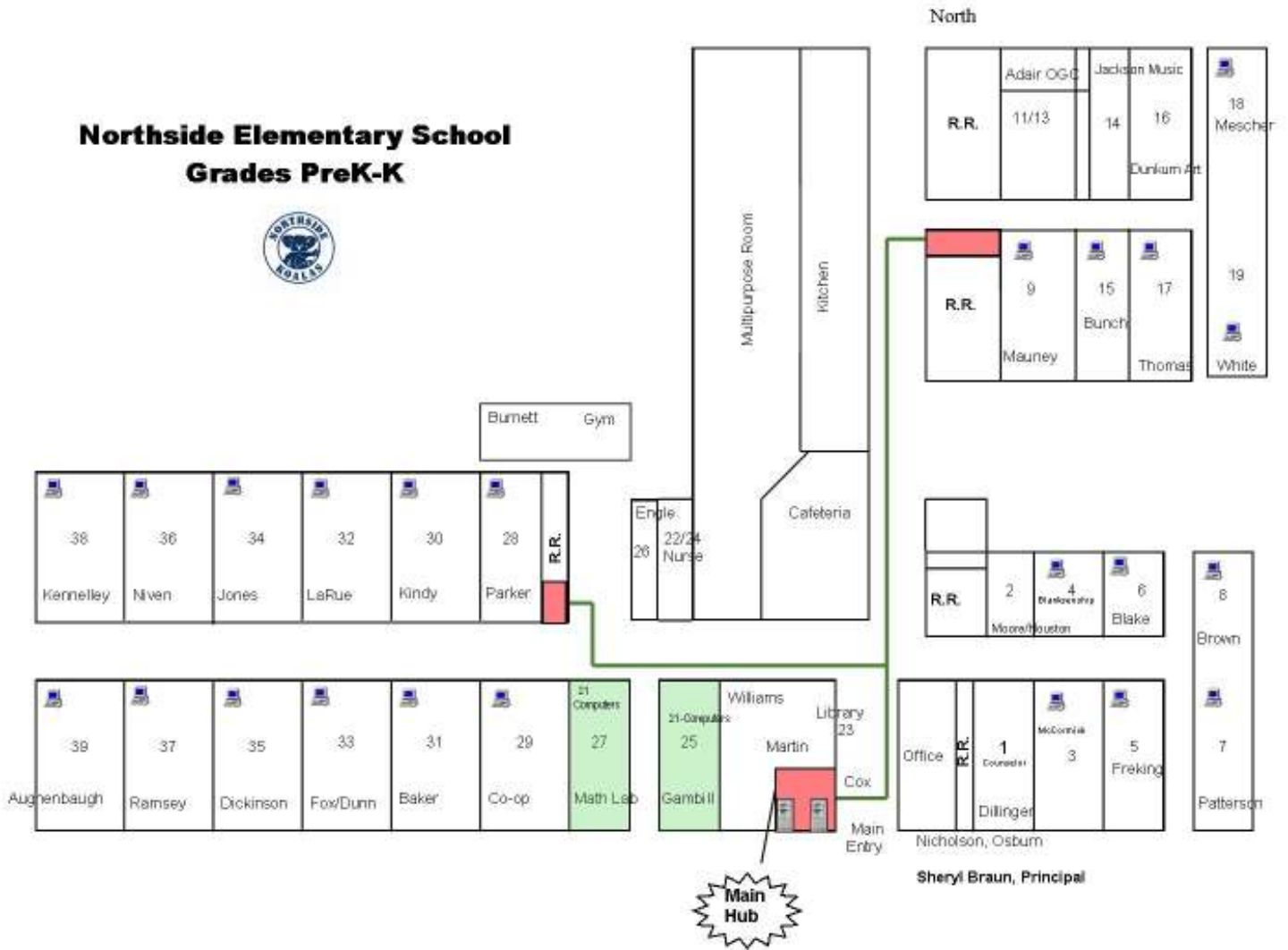
DTS Network Upgrades

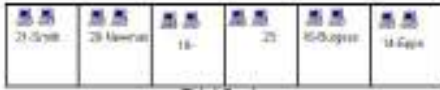
DTS took advantage of the February 10th break and made a few upgrades to the District network. Most of the changes will not affect staff directly except for one.

Building Network Maps

Updated 2/26/2008

Northside Elementary School Grades PreK-K





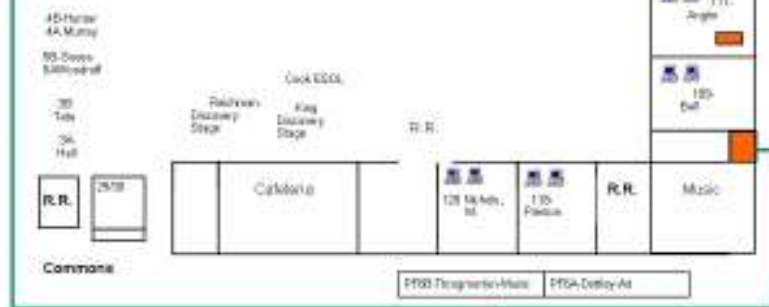
Third Grade

Fiber backbone connects the two buildings.

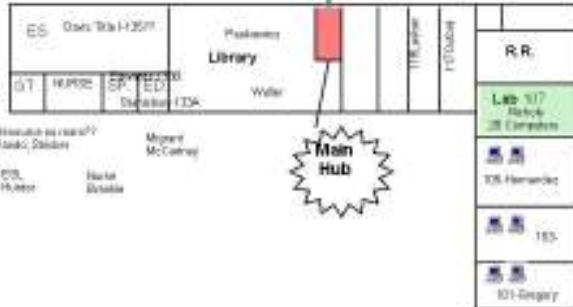


Second Grade

Southside Elementary Grades 3-5



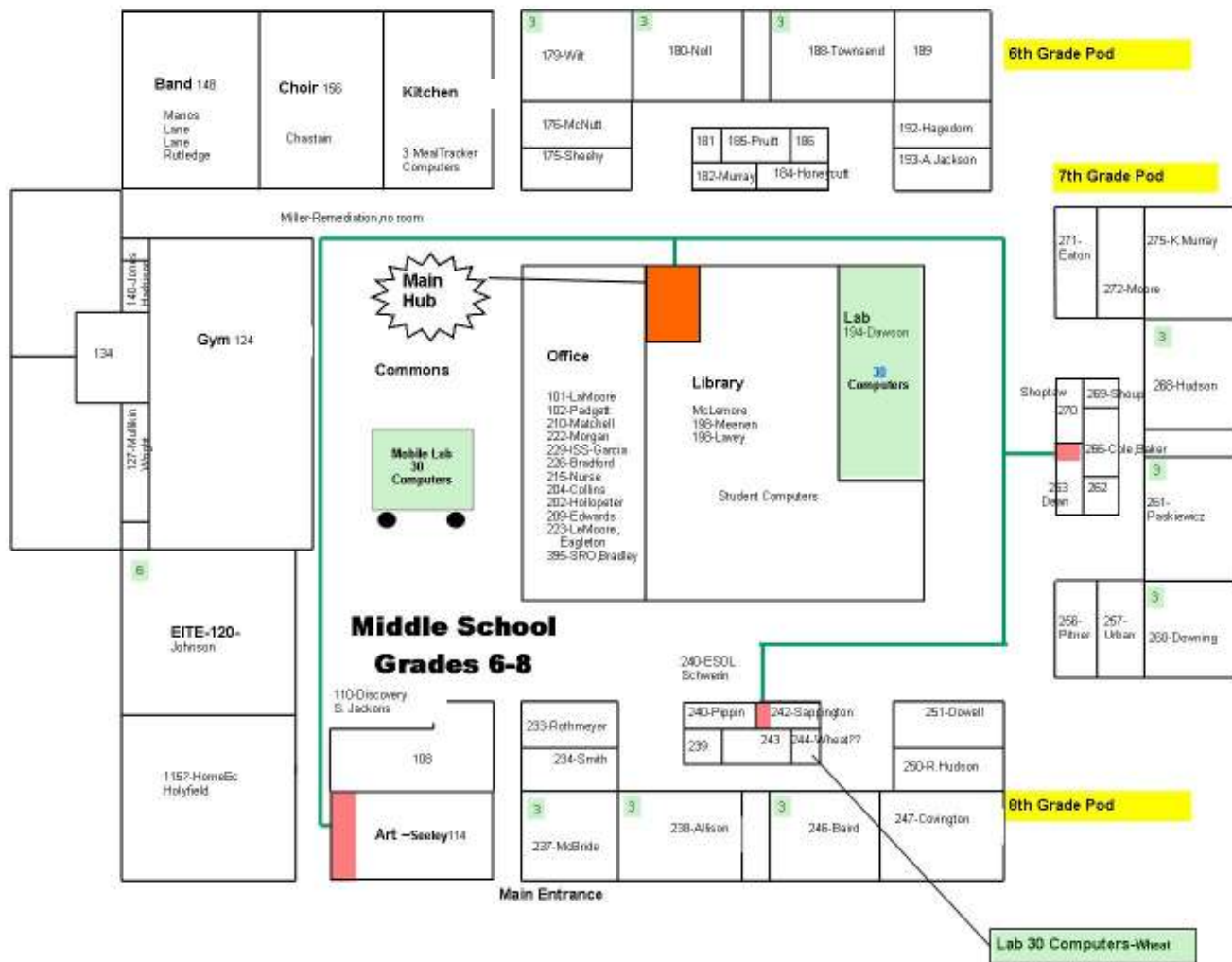
4th Grade



5th Grade



Fiber backbone runs length of building.



Fiber backbone between buildings.

