

# GLEN ULLIN PUBLIC SCHOOL TECHNOLOGY PLAN 2010-2013

## 1. Contact Information

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## 2. Planning Process

The Glen Ullin School Technology Committee was given the authority and charge to develop school technology. This committee was formed in 1989 to consult with teachers, school staff and community members to develop a planning process. The goal of this planning process and technology plan is to assure that Glen Ullin students are exposed to, as well as, learn through the integration of technology.

Previously, teachers and staff members completed the PCC assessment, as well as, the needs assessment survey to determine staff competency in the use and integration of technology. Plans for the 2010-2013 include the use of Atomic Learning Assessment (ALA). Through the use of ALA the committee, administration, teachers, students, and community guide the process for technology planning within the Glen Ullin Public School District.

Vocational Education is a vital part of technology within the District. Technology is purchased, implemented, and shared by schools of the I-94 Consortium. Carl Perkins dollars are utilized in the purchase of that equipment.

Members of the Technology Committee Include:

Josh Gartner – Director  
Andrew Peltz – Director  
Dianne Christian – Director  
Shelly Christensen – Office Education Instructor  
Glen Clark – Ag. Education Instructor  
Kyle Christensen - Superintendent  
Larry Sebastian – High School Principal/Technology Coordinator  
Dave Geck – Professional Videographer  
Rod Auer – Marian Manor Nursing Home  
Jeannie Voegele – Dakota Community Bank

The committee understands that content available through the internet needs to be filtered so that only appropriate content is available to our students. Our internet is filtered by Edu-Tech

The technology plan will be made available to all Glen Ullin teachers, staff and school board members. The technology plan will be reviewed at the public meeting of the school board and the components and goals of the plan will be summarized and published in the Glen Ullin School newsletter which is distributed to all parents and community members. This technology plan will also be reviewed by the parent/school vocational advisory committees such as Business and Office Education and Vocational Agriculture. The technology coordinator works directly with teachers in determining the needs of students in the classroom which encompasses hardware and software, telecommunications, and distance education.

The technology plan is reviewed and adopted by the school board annually.

### **3. Technology Vision Statement**

The Glen Ullin School District will incorporate technology, as a natural part of education, through an integrated, comprehensive framework to govern acquisition, application, and evaluation of technological resources to ensure that all students will have the opportunity to develop lifelong learning skills necessary to be productive citizens in an information-driven, global society. By using technology as a tool, teachers, administrators, and support staff will become more efficient and effective in facilitating and managing the learning environment and Process. The entire community will benefit by the increased use of technology in our school.

### **4. Goals, Strategies and Timelines**

The school district will utilize the technology committee suggestions for updating or improving student needs and learning. Some of this will be determined by result of the North Dakota CTB results and state standards and benchmarks as well as the NWEA testing.

It is the goal of the school district to incorporate as much high tech equipment through the consortium that allows students the exposure to trends in the industry. In addition, it is our goal to expose students to multi media technology and for them to explore Windows Vista, Office 2007, Dream Weaver, Adobe Photoshop and other software products that are widely used in the industry.

With regard to NCLB and students with disabilities the school district works closely with the Morton-Sioux Special Education Unit in Mandan. The district utilizes the specialties of the special education unit through the purchase of the appropriate technology to meet student needs. Periodically, there are grant dollars that allow us to purchase the hardware and software necessary for student achievement and student success.

The school district has a part-time technology coordinator that provides technical support that ensures the reliability of technology for students and educators. Glen Ullin has also utilized the following as technical resources to ensure reliability: Edu-Tech, Connecting Point, ESP Computers, Roughrider Education Service Partnership (RESP) and the I-94 Consortium teaching staff.

The Glen Ullin School District has a CAT5 LAN and wireless technology in its infrastructure. In addition, classrooms have cable TV access including Internet access.

It is important for the school district to maintain a current file that indicates the number of licenses for individual software package in compliance with licensing requirements.

<b>Strategies</b>	<b>How we measure success</b>	<b>Timelines</b>
Increase teacher/student skills in using technology in the classroom, as well as, in their personal lives.	Atomic Learning Assessment	Ongoing
Computer courses in grades 6-12 will be offered. All students in grades 6-8 are required to take the courses offered. In Grades 9-12 all students will be strongly encourage to take at least two additional computer courses.	Passing grades for each student through a variety of assessments.	Ongoing
All students in grades K-6, in addition to classroom computer use, will work on instructional projects or computer assisted instruction at least 30 minutes per week.	Lesson plans and schedules will document this instruction.	Ongoing
Students in grades 9-12 will continue to have the opportunity to participate in the High Technology Class and the IT Essentials Class. These classes and many others will expose students to integrated equipment such as GPS systems, Lathes, Mills, Color Cams, Embroider Machines, CNC Router, laser engraver, Electronic Thermometers and Probes, Electronics and DNA testing in the curriculum.	Lesson plans and schedules will document this instruction	Ongoing

**4B.**

The Glen Ullin School District will ensure that all educators are proficient in the use and integration of technology in the classroom (e.g. Core Technology Skills, Professional Practice and Classroom and Instructional Management). This will be accomplished using Atomic Learning assessments and tutorials.

<b>Strategies</b>	<b>How we measure success</b>	<b>Timelines</b>
Integration of Technology in the classroom will be an ongoing process with the District's annual ALA results as the primary	Success will be measured by the results of the annual ALA Scores and individual staff development needs.	Atomic Learning Assessment (ALA) completed by September 28, 2010

instrument to measure the needs and successes.		
Individual needs not assessed by the ALA but which relate to specific curriculum enhancements and integration will be considered.	Success will be measured by the results of the annual ALA Scores and the individual Staff Development needs.	Ongoing
Staff Development through the West I-94 Consortium, RESP, as well as, locally developed staff development will continue to be provided.	Success will be measured by the results of the annual ALA Scores and survey relating to Staff Development needs.	Annual Staff Development Surveys and ALA completed annually.

The Glen Ullin School District will integrate appropriate technologies into all courses in our district curriculum.

<b>Strategies</b>	<b>How we measure success</b>	<b>Timelines</b>
Integration of Technology in the Current Curriculum is ongoing utilizing the state standards and benchmarks, as well as, the North Dakota Technology Plan.	Review of the school improvement committee reports, CSI team chair and visitation team reports will be used to assess the strengths and weaknesses for future technology planning.	Ongoing

The administrators of the school district are in charge of professional development. The administrators in conjunction with RESP select in-services based upon the region's needs. In addition, local in-services are based upon the requests of teachers through surveys and individual request.

Teachers are encouraged to visit neighboring schools to see what technology is being used successfully within classrooms. The joint powers agreement through RESP has technology courses available to teachers within the region for credit or non-credit. In addition, RESP has grant dollars available for those teachers who wish to develop in-service teachers within the region for preparation materials and delivery of the in-service.

The school district encourages teachers to participate in grade level meetings and content meetings where teachers exchange ideas from within their own classroom. While the meetings may not totally focus on technology within the classroom it is a vital component of the groups getting together and sharing what works within their individual classrooms.

The Glen Ullin School District supports in-service through general fund dollars and Title I REAP funds. As noted above, Glen Ullin contributes district dollars towards RESP that also supports in-service for teachers and administrators at a regional level.

Teachers are encouraged to enroll in courses for the purposes of improving technology for instructional purposes through the North Dakota University System.

4C.

The Glen Ullin School District provides learning opportunities through organizations such as FFA, FCCLA, science club, and math competitions. These are ongoing activities that students are able to participate in and/or become members of for the duration of their school career. These allow for student growth and student successes.

Eighth Grade Competencies:

<b>Strategies</b>	<b>How we measure success</b>	<b>Timelines</b>
Students will participate in technology classes to acquire skills in keyboarding, as well, as general computer competencies and use of software.	Course assessment includes grades given for projects completed, and overall skill of technology will reflect the standards and benchmarks for students in grade 8.	All students will have a general understanding of Microsoft Office components such as Word, Excel, PowerPoint, and Publisher by the end of the 8 <sup>th</sup> grade year.

North Dakota Library Technology Literacy:

<b>Strategies</b>	<b>How we measure success</b>	<b>Timelines</b>
<p>Glen Ullin Public School, Hebron Public School, and the Hebron Public Library are part of a pilot project with the North Dakota State Library. This project allows schools to inter library loan books to libraries within the State of North Dakota. This project includes online libraries throughout the United States and libraries worldwide.</p> <p>Students and community members will also have access to numerous magazines and newspapers that are online.</p>	<p>The rate of success will be based on data received from the North Dakota State Library.</p> <p>Success will also be based on the number of people who utilize the service from within the local community.</p>	Ongoing

Distance Education:

<b>Strategies</b>	<b>How we measure success</b>	<b>Timelines</b>
In order to meet the changing educational needs of students Glen Ullin has two fully dedicated distance education classroom within the Great Western Network. The second distance education classroom has H.323 capabilities that is fully compatible with the state	Success will be measured by the participation rates and Course grades given for coursework completed.	Completed by the "Sending" teacher at the end of each course.

network. Classes are available to student in grades 9-12, and is available to adults who wish to use the network to further their education. Glen Ullin is also a member of the Roughrider Area Career and Technology Center (RACTC) which offers students courses in career and technology through a virtual classroom.		
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**4D.**

<b>Strategies</b>	<b>How we measure success</b>	<b>Timeline</b>
PowerSchool	PowerSchool is an online database that contains student information for their entire school career. The benefit is for administration and teachers to see pertinent information at an eyes glance. This allows for administration and teachers to view student learning patterns.  Parents and students are able to view their progress.	Ongoing
Positive Behavior Support	This program allows for school personnel to monitor student achievement and student behavior through a SWIS database management system through the University of Oregon	Ongoing
Accelerated Math/Reading/Spelling	These programs allow students to receive instant feedback as data is inputted.  This allows for individualized instruction in conjunction with other class materials.	Ongoing

Student data will be accessed and assessed by school administrators, counselor, and teachers through hard and soft copy. The positive behavior support data will be available to team members and viewed accordingly based on the fact this information is highly confidential.

#### 4E.

Instructional strategies are the responsibility of the school administration through supervision, evaluation, and coaching. The elementary and secondary school counselors are an important component in interpreting this data. The results of this data will be shared through a cooperative effort between the administration and school counselors.

The accountability for the technology plans, goals, and strategies is measured through the number of teacher requests, increase in use of technologies, and the success of student projects that are made available for students, parents, and the public to view.

Our technology plan is updated on an annual basis through the technology committee which is also responsible for keeping the plan up-to-date. This committee meets frequently to evaluate and review the technology needs of the school district.

#### TECHNOLOGY SYSTEMS

The Glen Ullin School District has a T1 line system that encompasses the Internet and distance education networks. Each classroom has multiple Internet connections and wireless technology is available throughout the school building.

Network:

<b>Strategies</b>	<b>How we measure success</b>	<b>Timelines</b>
Glen Ullin School will maintain the current LAN network in our school with connection to the North Dakota State Network (StageNET). All classrooms/offices currently have access to the internet. It is our goal to maintain CIPA provisions for Internet Filtering and E-Rate Status for services.	The condition of the current LAN System.	Currently met
In 2006 the school district updated its server capabilities to Server 2003	Success is based upon the speed of accessing the server and the amount of storage available to all.	Ongoing

Parental Access and Adult Education:

<b>Strategies</b>	<b>How we measure success</b>	<b>Timelines</b>
The Glen Ullin School currently maintains an Internet Web Page including information pertinent to parents.	Informal feedback from parents, staff and students will be used to assess the success of the Website.	Ongoing
In January 2004, the Glen Ullin School implemented Power School which provides parents with day-to-day progress of their	Utilization of the number of times parents use this service is recorded by PowerSchool.	Ongoing

children.		
Glen Ullin School plans to offer at least one mini-technology workshops as Adult Education classes per school term.	Participant's evaluation of the class.	Ongoing

# COMPREHENSIVE TECHNOLOGY BUDGET

2010-2011 SCHOOL TERM

## REVENUE

GWN Related-Internet and Distance Learning	
Universal Services - Glen Ullin	\$600.00
Stagenet/Internet - Glen Ullin	1,050.00
GWN fiber services	3,450.00
Total GWN Related	<u>\$ 5,100.00</u>
General Fund	22,880.00
Vocational Education (High Tech)	1,500.00
Universal Services (Telecommunications)	2,270.00
Federal Grants (REAP Title IIA, Title IID etc)	11,700.00
<b>Proposed Revenue Total</b>	<u><b>\$ 43,450.00</b></u>

## EXPENSES

Curriculum Development/Textbooks	2,500.00
Staff Development	5,000.00
Adult Education	1,150.00
Telecommunications - Basic Long Distance and Cell Phone Service	3,600.00
Hardware/Software	
Hardware Computers	5,000.00
Software	3,500.00
Switches & Wireless	2,500.00
Total Hardware/Software	<u>\$ 11,000.00</u>
I-94 High Tech Consortium/Materials/Supplies	1,500.00
Great Western Network - Internet and Video	
Great Western ITV Network Per Student Fee	11,200.00
Stagenet and Internet access	3,000.00
Great Western Network fiber services lease	3,500.00
Total GWN	<u>17,700.00</u>
Miscellaneous	1,000.00
<b>Proposed Technology Expenditures</b>	<u><b>\$ 43,450.00</b></u>

# COMPREHENSIVE TECHNOLOGY BUDGET

2011-2012 SCHOOL TERM

## REVENUE

### GWN Related-Internet and Distance Learning

Universal Services - Glen Ullin	\$ 600.00
Stagenet/Internet - Glen Ullin	1,050.00
GWN fiber services	3,450.00

Total GWN Related \$ 5,100.00

General Fund 22,880.00

Vocational Education (High Tech) 1,500.00

Universal Services (Telecommunications) 2,270.00

Federal Grants (REAP Title IIA, Title IID etc) 11,700.00

**Proposed Revenue Total \$ 43,450.00**

## EXPENSES

Curriculum Development/Textbooks 2,500.00

Staff Development 5,000.00

Adult Education 1,150.00

Telecommunications - Basic Long Distance and Cell Phone Service 3,600.00

### Hardware/Software

Hardware Computers 5,000.00

Software 3,500.00

Switches & Wireless 2,500.00

Total Hardware/Software \$ 11,000.00

I-94 High Tech Consortium/Materials/Supplies 1,500.00

### Great Western Network - Internet and Video

Great Western ITV Network Per Student Fee 11,200.00

Stagenet and Internet access 3,000.00

Great Western Network fiber services lease 3,500.00

Total GWN 17,700.00

Miscellaneous 1,000.00

**Proposed Technology Expenditures \$ 43,450.00**

# COMPREHENSIVE TECHNOLOGY BUDGET

2012-2013 SCHOOL TERM

## REVENUE

GWN Related-Internet and Distance Learning	
Universal Services - Glen Ullin	\$ 600.00
Stagenet/Internet - Glen Ullin	1,050.00
GWN fiber services	3,450.00
Total GWN Related	<hr/> \$ 5,100.00
General Fund	22,880.00
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