ORGANIZATION INFORMATION	
District/Agency/School (legal name):	**FLOODWOOD SCHOOL DISTRICT**
District Number:	**ISD 0698**
Technology Plan Status	**The District/Agency/School has an approved 2012 technology bridge plan:** **Yes X No □**
2013-2015 Technology Plan Date of Creation:	
IDENTIFIED OFFICIAL WITH AUTHORITY INFORMATION	
Name	PHIL JOHNSON
Title	SUPERINTENDENT
Address	115 WEST 4TH AVENUE FLOODWOOD, MN 55736
Phone Number & E-mail	(218) 476-2285 PJOHNSON@FLOODWOOD.K12.MN.US
TECHNOLOGY CONTACT INFORMATION	
Name	JEFF RYAN
Title	TECHNOLOGY COORDINATOR
Address	11 EAST SUPERIOR ST., SUITE 210 DULUTH, MN 55802
Phone Number & E-mail	(218) 591-5516 JRYAN@SAWTOOTHSOLUTIONS.COM

District Technology Plan
Independent School District 0698
Floodwood, MN 55736

1.0 TECHNOLOGY NEEDS ASSESSMENT

Mission and Objectives

The mission of Floodwood Public Schools is to provide a safe and clean environment in which all individuals are empowered to become lifelong learners, responsible citizens, and productive workers. Our vision is to utilize technology to improve teaching and learning. We believe that all individuals can learn and that technology will enhance the instruction and learning process. The District will provide access to technology and instruction to all stakeholders of the Floodwood School District.

Present Status

We have conducted several different types of needs assessments at Floodwood School. We rely on the technology committee and the administration to help identify the technology needs for our school district. We have also used surveys and questionnaires to get input on the direction of technology at our school. The data we compile helps us meet the technology needs of the students and staff of the school district.

Presently Floodwood School maintains a local area network (LAN) with approximately 150 computer workstations. Every classroom is equipped with a telephone line, cable TV connection, and at least one desktop computer for use by teachers and their students. In addition there are three computer labs throughout the building. Each classroom has been wired with multiple connections to the LAN, and several servers are in place. Five classrooms are currently equipped with SmartBoards. In 2010 the business lab was retrofitted with 30 Dell Optiplex workstations, otherwise the majority of personal computers throughout the school are five years or older. A new server was implemented in 2010 and the network was converted from Novell Netware to a Windows 2008 active directory environment. A new firewall and content filter appliance was also installed in 2010.

The district has three networked computer labs throughout the building. The elementary lab has 20 PCs, the Media Center Lab has 25 PCs and the Business Lab has 30 PCs. The labs are used on a daily basis by teachers and these labs are also used for online testing activities throughout the year.

The District has one media center with a catalog system in place along with workstations with internet access. The High School and Elementary/Middle School use food service software for administering the student breakfast/lunch programs.

In January 2011 the staff at Floodwood school was asked to complete an anonymous survey to rate their proficiencies in the use of technology in various categories. In April 2011 the Technology Committee completed an assessment of general student abilities with regard to technology based on grade level. The results of the surveys are attached. The following specific technology needs were identified as a result of these surveys and also input from staff.

<u>Identified Needs</u>

The Floodwood School District has identified the following specific technology needs:

1. SmartBoards. In order to bring technology to the forefront in the classroom and to facilitate enhanced learning SmartBoard's are recommended for each classroom.

2. Updated computer workstations. Most of the computer workstations at the School are outdated and are failing at a high rate. Updating teacher workstations should be a priority.

3. Updated Productivity Software. The School currently uses Microsoft Office version 2003 for desktop publishing and email. This software is still relevant, however is becoming outdated. It is recommended that a more recent version of the software be implemented.

4. Increased Internet bandwidth. The School currently utilizes a T-1 Internet connection at a maximum download speed of 1.5 Megabits per Second. This bandwidth is extremely low and is not sufficient for technologies such as video conferencing and video streaming.

5. Updated network infrastructure. The infrastructure at the School is functional however is ageing and deteriorating rapidly. If the school is to utilize the latest advances in technology the infrastructure needs to be refreshed. This includes network switches, hubs, routers and cabling if nessesary.

6. Training. Although the staff at the School is reasonably proficient in the use of technology, there needs to be ongoing technology training to enhance existing skills and learn new skills.

2.0 Goals and Strategies

Our administration and staff use technology as a tool to help students meet the Minnesota Academic Standards. Examples of use are word processing, research, desktop publishing, and video editing. Our staff and administration use tools like the Minnesota Comprehensive Assessments Series II tests to show the progression of our students and to help make curriculum decisions. We use this program to gather student data in the areas of math, science, reading, and language usage. This data helps the administration make curriculum decisions while teachers can use this assessment information for planning for individual students or an entire class. Special needs are met through the use of various assistive technology hardware and software.

The following are the goals that were identified for the school:

- Use the LAN for district-wide electronic communications.

- To instill in students, staff and patrons an appreciation for and realization of the benefits of technology.
- To provide an environment conducive to technology access for students, staff, and patrons. This process will also educate all individuals by putting in place a schedule that will meet the needs and time constraints for everyone.
- To allow all patrons uninterrupted and unlimited access to technology and the opportunity it provides.
- Use computers for more efficient writing.
- Use the Internet as a research tool.
- Use the Internet as a communication tool to a wide area network.
- Maintain networked computer labs in the district.
- Continue staff development on new technologies.
- Provide more access to additional curriculum and information to aid the district in meeting graduation standard requirements
- Create a high comfort level for technology users.
- Use our technology in the assessment process through computerized or online testing.

The following are strategies to achieve the goals set forth by the School:

- Significant infrastructure upgrades are planned starting in 2011. This includes new PCs, SmartBoards for every classroom, network hardware upgrades, and significantly increased Internet bandwidth.
- Training will be made available for staff to build and/or enhance their skillset in all areas of technology.
- Teaching staff will take advantage of infrastructure upgrades to facilitate the use of technology in the classroom.
- The School will pursue opportunities to share technology and learning resources with other schools in the Itasca Area Schools Collaberative.

3.0 Professional Development Plan

District Staff Development Goals

District: 0698-01 FLOODWOOD PUBLIC SCHOOL DISTRICT

District Student Achievement Goals with Subject Areas

Student Achievement Goal:	To help the students who are recognized on the autism spectrum cope with the increasingly demanding efforts of education.
Content Area: Other: Multiple	

District Staff Development Goals, Activities, Strategies and Findings

Staff Development Goal:	Special-education teachers, paraprofessionals, and elementary classroom teachers attended workshops and conferences about students who are identified on the autism spectrum.
Activities and Strategies:	The 2007 Qutism Conference and the Autism Spectrum Disorder conference were attended.
Designs and Structures:	Participate in ongoing training Demonstration Teaching Attend Workshop/Conference
High Quality Components:	Improved teachers' and principals' knowledge and skills to help students meet challenging state academic standards. Improved teachers' classroom-management skills. Advanced teacher understanding of effective instruction strategies using scientifically based research.
High Quality Staff Development Activities:	Sustained, intensive, and classroom focused; they were not one-day or short-term workshops.
Findings:	More students are going to be identified as the years progress.
Impact on Student Learning:	Those identified students were somewhat successful in the regular classroom.
Impact on Teacher Learning:	Those identified students are able to cope in the regular classroom as long as the teachers and paraprofessionals have had training.
Continue next year?	Y

District Staff Development Goals

District Student Achievement Goals with Subject Areas

Student Achievement Goal:	To aid students, parents, and fellow teachers in what to specifically expect within Floodwood subject areas and specific classes.
Content Area: Other: Multiple	

District Staff Development Goals, Activities, Strategies and Findings

Staff Development Goal:	Teachers and administrators worked in learning groups to research best practices and then create curriculum frameworks which include outcomes, strands, substrands, standards, and benchmarks for all grades and every class taught.
Activities and Strategies:	Teachers spent one afternoon a month throughout the year researching best practices by departments and then by specific grade or course in order to create curriculum frameworks.
Designs and Structures:	Professional Learning Communities Examine Data - Student and Staff Work in Study Groups Develop Curriculum Team Meetings with Instructional Focus
High Quality Components:	Improved teachers' and principals' knowledge and skills to help students meet challenging state academic standards. Advanced teacher understanding of effective instruction strategies using scientifically based research. Included the use of data and assessments to inform classroom practice.
High Quality Staff Development Activities:	An integral part of school board, district-wide and school-wide educational improvement plans. Sustained, intensive, and classroom focused; they were not one-day or short-term workshops.
Findings:	Some of the best practices techniques were theoretically sound but not practical for a school our size. It is difficult to accomodate every teacher's best practices techniques within a small school schedule. It is important to constantly research.
Impact on Student Learning:	Students were able to register by a student-demand schedule and experience more variety within our schedule than ever before. A middle school concept was created for our grades 5-8.
Impact on Teacher Learning:	Cooperation is always key in researching and planning. Change does not need to be feared.
Continue next year?	N

4.0 Evaluation

<u>Organization Leadership and Technology Planning Committee</u>

Executive leadership of the district-wide technology program will be entrusted to the position of Technology Coordinator. This position will entail, but not be limited to, the following duties: provide a vision and knowledge base that will allow the district to best utilize technology for the enhancement of learning and instruction; serve as the chairman of the district-wide technology committee; evaluate and oversee all technology purchases; coordinate training activities as they relate to technology; complete all paper work as required by the federal government, Minnesota Department of Education, and the superintendent's office; conduct all system administrative duties that are necessary to keep the district system operational for all users; oversee all other technology personnel; and report directly to the superintendent.

The School's technology planning committee is designed to work in conjunction with the administrative technology coordinator on improving instruction and learning through the use of technology. This committee will meet quarterly at a minimum or on an as needed basis. The Technology Coordinator and the Superintendent will work very closely together when making decisions about technology for the school district. It is the intent of the technology planning committee to review the technology plan annually, however changes to the plan will be made as needed throughout the year.

Presently, the following individuals comprise the Technology Committee:

Name	Title
Jeff Ryan	Technology Coordinator
Dan Bettin	Principal
Sharon Zelazny	School Board Member
Vangie Mattfield	Teacher
Sarah Lindstrom	Teacher
Ellen Burns	Teacher
Geraldine Davidson	Teacher
Blake Johnson	Teacher
Tessa Larson	Teacher

5.0 Optional Links

Survey results for 2011 are not published online however are attached.

6.0 Link to Current Technology Plan:
http://education.state.mn.us/mdeprod/groups/InformationTech/documents/Report/035791.pdf

7.0 Children's Internet Protection Act (CIPA)

This LEA has an Internet Safety/Acceptable Use Policy in Place?

Yes - http://www.rschooltoday.com/school649/genie112/images/files/524.pdf

This School disctrict deploys an Internet filter to protect minors from material that is pornographic or otherwise harmful to them?

Yes – ISD0698 utilizes a SonicWall appliance with a content filter for all students and staff