

Technology Plan Cover Sheet
2013-2015 (July 1, 2013 – June 30, 2015)

ORGANIZATION INFORMATION	
District/Agency/School (legal name):	SCHOOLCRAFT LEARNING COMMUNITY
District Number:	4058
Technology Plan Status	The District/Agency/School has an approved 2012 technology bridge plan: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2013-2015 Technology Plan Date of Creation:	May 29, 2012
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Schoolcraft Learning Community 2013-15 Technology Plan

Instructions: Use the format below to complete your responses.

1. **Technology Needs Assessment:** Describe the processes(s) used to determine the technology needs for the LEA for 2013-2015 and briefly summarize the needs that have been determined. Make sure to include any technology needs that will be supported through E-rate discounts, such as telephone, telecommunications access, Internet, and other E-rate eligible services.

Schoolcraft Learning Community (SLC) is an Expeditionary Learning School who serves 189 students in grades K-8th grade. The school has a diverse student population with a poverty rate of 52%. A staff of twenty teachers and ten support professionals work together to create expeditions, which can be described as in-depth investigations into a topic or a learning area. These expeditions incorporate ideas and learning goals from as many of the subject areas as possible, knowing that the more you can associate one with another, the better the understanding and retention of knowledge. SLC's mission is, "to help develop individuals to be self-directed, lifelong learners who have the skills and knowledge to confidently and compassionately navigate in the world." Our mission guided the development of this 2013-2015 technology plan.

SLC has seen dramatic growth in their technology integration program over the last three year. During the fall of 2009, SLC added a part-time technology integration specialist to the staff. In December 2009, SLC was awarded the Educational Technology ARRA Grant funding for our collaborative grant proposal *Using Digital Tools to Teach Environmental Literacy Across Disciplines*. In collaboration with Bemidji State University (BSU), Apple Computer, and Expeditionary Learning Schools (ELS), Schoolcraft students and staff strengthened environmental literacy through technology-integrated lessons. With a commitment to Expeditionary Learning, SLC and the grant partners worked together to enhance the curriculum while building 21st century skills for teachers and students. Although the grant came to a close in June 2011, the skills and knowledge gained will benefit the staff and students for years to come.

Through the use of the SLC Technology Needs Assessment 2012, we surveyed the staff during the Spring 2012 school year. This survey provided us with the necessary information to develop our new technology goals and professional development plan.

Ninety percent of our staff completed the survey with 63% of the respondents being licensed teachers and 37% of the respondents working as support staff.

This SLC Technology Needs Assessment 2012 provided us with information in the following areas:

- Technology Work Use
- Technology Integration
- Professional Development
- Technology Equipment

Technology Work Use, Technology Integration, and Professional Development

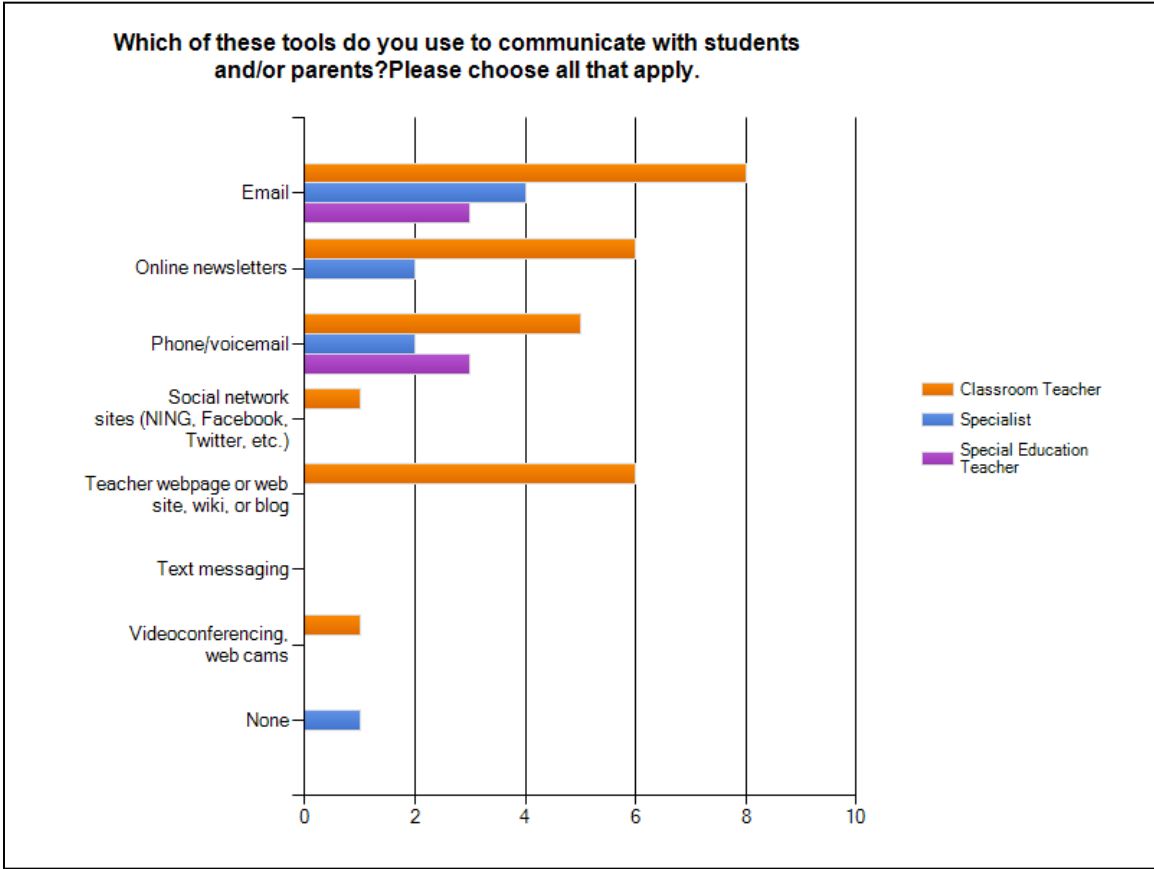
All of the needs assessment respondents reported that technology helps them do their job better. Eighty-five percent also expressed that they would like to use more technology in their teaching. Ninety-six percent reported that they would sign-up for additional technology training if it were available. This level of interest shows that even though our staff received many hours of technology training during our ARRA grant period, they are motivated to continue building their technology skills.

When analyzing the needs assessment data and collecting information through personal interviews, it is apparent that our staff's level of understanding of the ISTE NETS varies. For this reason, our technology committee has decided to research and implement a new professional development program focusing on Individualized Technology Professional Development Plans based on the ISTE NETS for Teachers and Students.

Technology Goal 1: Build understanding of the ISTE NETS for Students Teachers.

This goal will be met through a variety of professional development activities to build knowledge of ISTE NETS for Students and Teachers. Another objective of this goal includes evaluating the Technology Integration Specialist program and find ways to strengthen this "instruction coaching" position.

Another area of need is the use of communication and collaboration tools with students and/or parents. While 90% of the staff reported using email for communication, only 26% percent use websites, wikis, or blogs for this purpose. And only 4% reported using video conferencing tools (Skype, Google Video, FaceTime) for communication purposes.



One of Schoolcraft Learning Community’s challenges is related to our rural location. For this reason, we are dedicated to using technology communication and collaboration tools to enhance our curriculum. One of our ARRA grant goals focused on building a “Learning Community” with other organizations, experts, and schools. Last spring’s needs assessment revealed we need to continue to provide opportunities to build skills and experience with online communication and collaboration. As a result, this technology plan includes the following goal.

Technology Goal 2: Build teacher 21st Century Skills (communication and collaboration) to enhance Expeditionary Learning

This goal will be met by through a variety of professional development workshops including VoiceThread, wikis, and video conferencing software. The goal and objectives also include a focus on building our “Learning Community” with Bemidji State University and other organizations.

According to the needs assessment data, Schoolcraft’s staff needs assistance in teaching 21st century skills in the areas of research skills and digital citizenship. When the teaching staff was asked to best describe the research process used in teaching, it was apparent that the research process is taught at varying degrees. Forty-four percent of the staff felt they were providing their

students with basic instruction about plagiarism and proper citations. Only 11% percent felt confident that their students understood fair use and copyright permissions.

The needs assessment also collected data regarding the teaching of digital citizenship. When asked how teachers address Internet safety in their classrooms, only 3.7% reported using an Internet safety curriculum, 22% reported including “some” safety strategies, and 18.5% reported that they depend on the TIS to teach Internet safety.

Based on the data regarding research strategies and digital citizenship, we developed the third technology goal to help prepare our students for the 21st century.

Technology Goal 3: Assist students in developing 21st Century Skills

This goal will be met by providing technology professional development and curriculum maps for both research skills and digital citizenship.

Technology Equipment

The ARRA grant in 2009 dramatically changed our technology equipment inventory. The access to technology tools has strengthened our ability to teach and learn. Unfortunately, it has also created a greater workload for our Technology Coordinator, who manages and maintains all of our equipment. As a result, one of our fourth technology goal is:

Technology Goal 4: Strengthen sustainability plan for technology equipment & budget

Our Technology Committee will be researching options for purchasing contracts for repair/support and network/server support. We will also be developing a replacement cycle for our current equipment.

Goals and Strategies: List the specific goals and strategies for 2013-2015 that address how your LEA will use technology to deliver education and assist with school administration:

Goal 1: Build understanding of the ISTE NETS for Teachers and Students.			
Objective	Strategies/Activities	Timeline	Responsibility
1.1 Develop a teacher Individualized Professional Development Plan (IPDP) based on	1.1.a. Research goal setting strategies for technology professional development	Fall 2012	TIS
	1.1.b. Create IPDP form for teaching staff	Spring 2013	TIS

ISTE NETS for Teachers and Students	1.1.c. Present project to SLC Technology Committee for feedback and revision	Spring 2013	TIS
	1.1.d. Technology Committee evaluate first year of program	May 2014	TIS
1.2 Evaluate teacher understanding of ISTE NETS for Teachers and Students	1.2.a Provide all staff in-service on the ISTE Standards	Jan. 2013	TIS
	1.2.b. Evaluate staff using Atomic Learning's 21 st Century Teacher Assessment	Feb. 2013	TIS
1.3 Develop IPDP with teachers	1.3.a. Meet with teacher individually to set IPDP	Sept. 2013	TIS
	1.3.b. Meet with teachers individually to provide a mid-year evaluation	Jan. 2014	TIS
	1.3.c. Meet with teachers individually to provide an evaluation	May 2014	TIS
1.4 Strengthen technology "coaching" program in the classroom	1.4.a. Revise TIS schedule to best meet the needs of planning and collaboration time.	Fall 2012	TIS
	1.4.b. Plan schedule for collaboration	Fall 2012	TIS

Goal 2: Build teacher 21st Century Skills (communication and collaboration) to enhance Expeditionary Learning			
Objective	Strategies/Activities	Timeline	Responsibility
2.1 Provide professional development opportunities to build online communication & collaboration skills	2.1.a. Develop and implement VoiceThread workshop.	Jan. 2013	TIS
	2.1.b Develop and implement wiki workshop.	Feb. 2013	TIS
	2.1.c Develop and implement Skype workshop.	March 2013	TIS
2.2 Build online collaboration opportunities with Bemidji State University (BSU) and other organizations.	2.2.a Contact BSU education department and other schools to discuss collaboration ideas.	Fall 2012 - Ongoing	TIS
	2.2.b. Serve as liaison for classroom teachers and outside organizations.	Ongoing	TIS
	2.2.c.	Ongoing	TIS

	Support communication and collaboration projects with outside organizations.		
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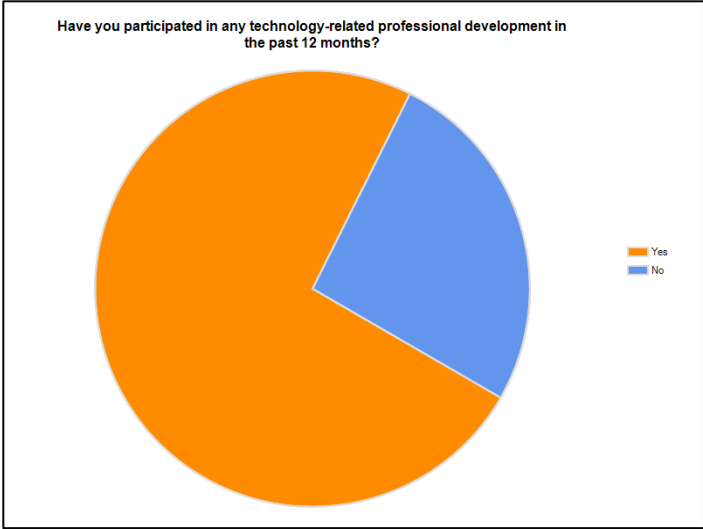
Goal 3: Assist students in developing 21st Century Skills			
Objective	Strategies/Activities	Timeline	Responsibility
3.1 Improve student research skills.	3.1.a. Research curriculum models for teaching research skills.	2012-2013 School Year	TIS and Tech Committee
	3.1.b. Develop a K-8 curriculum map for improving research strategies.	2012-2013 School Year	TIS and Tech Committee
	3.1.c. Develop and implement questioning strategies workshop	Fall 2013	TIS
	3.1.d. Develop and implement website evaluation workshop	Fall 2013	TIS
3.2 Develop and implement a plan for Digital Citizenship instruction.	3.2.a. Research available digital citizenship curriculum.	Fall 2012	TIS & Conflict Management Instructor
	3.2.b. Develop a K-8 curriculum map for digital citizenship instruction.	Fall 2012	TIS & Conflict Management Instructor
	3.2.c. Develop calendar for digital citizenship instruction.	Fall 2012	TIS & Conflict Management Instructor

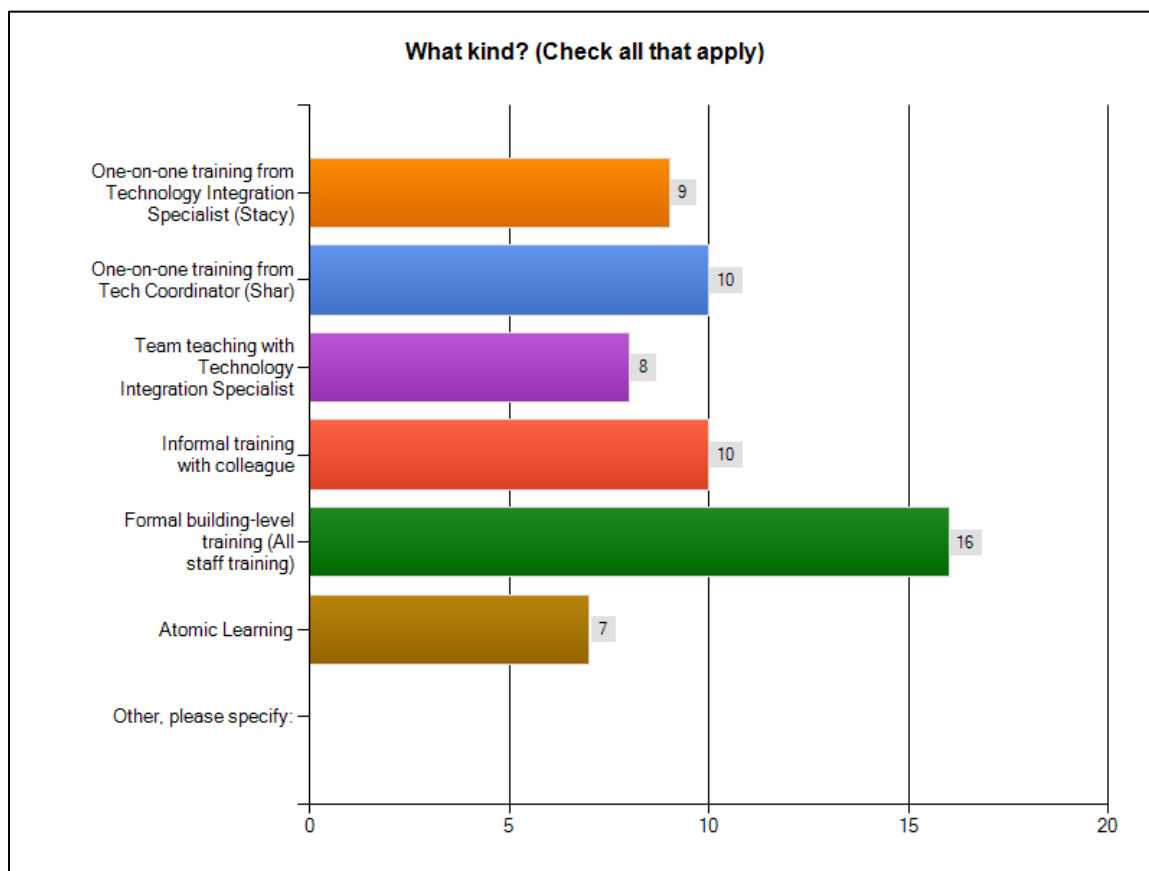
Goal 4: Strengthen sustainability plan for technology equipment and budget			
Objective	Strategies/Activities	Timeline	Responsibility
4.1 – Plan for contracted support services	4.1.a. Researching options for purchasing contracts for repair/support and network/server support	Fall 2012	Tech Coordinator & TIS
	4.1.b. Determine yearly % of technology budget to be used to purchase contracts.	Fall 2012	Tech Coordinator & TIS
	4.1.c. Present data to Technology Committee for approval and/or edit if necessary.	Fall 2012	Tech Coordinator & TIS
	4.1.d. Purchase contracts.	Fall 2012	Tech Coordinator &

			TIS
4.2 – Create a plan for technology replacement.	4.2.a. Develop a proposal for technology replacement.	Spring 2013	Tech Coordinator & TIS
	4.2.b. Present data to Technology Committee for approval and/or edit if necessary.	Spring 2013	Tech Coordinator & TIS
	4.2.c. Implement plan.	Spring 2013	Tech Coordinator & TIS

2. Professional Development Plan: Describe the professional development strategies you have in place for 2013-2015 to ensure LEA staff are prepared to use the technology infrastructure, software programs, and online resources provided:

The Schoolcraft Learning Community has committed to the integration of technology as a means to enhancing both teaching and learning. The Technology Needs Assessment in the Spring 2012 verified that 74% of our staff is actively participating in technology-related professional development. The report also revealed that the staff is using a variety of methods to meet their technology professional development needs.





During the Fall 2009, Schoolcraft Learning Community hired a part-time technology integration specialist. The goal of this position is to provide on-site technology professional development using the “instructional coach” model. The Technology Integration Specialist (TIS) works collaboratively with teachers in the development of technology integration lessons that enhance the curriculum. The TIS also provides training all staff training during staff development days and after school staff meetings.

Our new technology goals were designed to strengthen our technology professional development program:

- **Goal 1: Build understanding of the ISTE NETS for Students and Teachers**
- **Goal 2: Build teacher 21st Century Skills (communication and collaboration) to enhance Expeditionary Learning**
- **Goal 3: Assist students in developing 21st Century Skills**

3. **Evaluation:** Explain the evaluation process for your technology plan for 2013-2015, including timeline, roles and responsibilities, and information gathered to assess how the technology plan goals and strategies are being met.

Goal 1: Build understanding of the ISTE NETS for Teachers.					
Objective	Strategies/Outcomes	Time-line	Responsibility	Data Collection	Assessment
1.1 Develop a teacher Individualized Professional Development Plan (IPDP) based on ISTE NETS for Teachers	1.1.a. Research goal setting strategies for technology professional development	Fall 2012	TIS	URL List	Report research to Tech Committee
	1.1.b. Create IPDP form for licensed teachers	Spring 2013	TIS	IPDP Form	Share with Director
	1.1.c. Present project to SLC Technology Committee for feedback and revision	Spring 2013	TIS	IPDP Form	Feedback from Tech Committee
	1.1.d. Technology Committee evaluate first year of program	May 2014	TIS	IPDP Evaluation Survey	Feedback from Tech Committee
1.2 Evaluate teacher understanding of ISTE NETS for Teachers	1.2.a Provide all staff in-service on the ISTE Standards	Jan. 2013	TIS	Presentation	Evaluation form
	1.2.b. Evaluate staff using Atomic Learning's 21 st Century Teacher Assessment	Feb. 2013	TIS	Atomic Learning's 21 st Century Teacher Assessment	Atomic Learning's 21 st Century Teacher Assessment
1.3 Develop IPDP with teachers	1.3.a. Meet with teacher individually to create IPDP	Sept. 2013	TIS	IPDP Form	Reviewed by Director
	1.3.b. Meet with teachers individually to provide a mid-year evaluation	Jan. 2014	TIS	IPDP Evaluation Form	Reviewed by Director
	1.3.c. Meet with teachers individually to provide an evaluation	May 2014	TIS	IPDP Evaluation Form	Reviewed by Director
1.4 Strengthen technology	1.4.a. Revise TIS schedule to best meet	Fall 2012	TIS	Technology Needs Assessment	Tech Committee review of

“coaching” program in the classroom	the needs of planning and collaboration time.	Fall 2012	TIS	Survey	data
	1.4.b. Plan schedule for collaboration	Fall 2012	TIS	Schedule	Share plan with Tech Committee

Goal 2: Build teacher 21st Century Skills (communication and collaboration) to enhance Expeditionary Learning

Objective	Strategies/Outcomes	Timeline	Responsibility	Data Collection	Assessment
2.1 Provide professional development opportunities to build online communication & collaboration skills	2.1.a. Develop and implement VoiceThread workshop.	Jan. 2013	TIS	Workshop Agenda & Presentation	Workshop Evaluation
	2.1.b Develop and implement wiki workshop.	Feb. 2013	TIS	Workshop Agenda & Presentation	Workshop Evaluation
	2.1.c Develop and implement Skype workshop.	March 2013	TIS	Workshop Agenda & Presentation	Workshop Evaluation
2.2 Build online collaboration opportunities with Bemidji State University (BSU) and other organizations.	2.2.a Contact BSU education department and other schools to discuss collaboration ideas.	Fall 2012 - Ongoing	TIS	Communication Record – Google Docs	Notes shared with Director & Tech Committee
	2.2.b. Serve as liaison for classroom teachers and outside organizations.	Ongoing	TIS	Communication Record – Google Docs	Notes shared with Director & Tech Committee
	2.2.c. Support communication and collaboration projects with outside organizations.	Ongoing	TIS	Communication Record – Google Docs	Notes shared with Director & Tech Committee

Goal 3: Assist students in developing 21st Century Skills

Objective	Strategies/Outcomes	Time-line	Responsibility	Data Collection	Assessment
3.1 Improve student research skills.	3.1.a. Research curriculum models for teaching research skills.	2012-2013 School Year	TIS and Tech Committee	URL list	Share data with Tech Committee

	3.1.b. Develop a K-8 curriculum map for improving research strategies.	2012-2013 School Year	TIS and Tech Committee	Research Strategies Curriculum Map	Feedback from Director & Teaching Staff
	3.1.c. Develop and implement questioning strategies workshop	Fall 2013	TIS	Workshop Agenda & Presentation	Workshop Evaluation
	3.1.d. Develop and implement website evaluation workshop	Fall 2013	TIS	Workshop Agenda & Presentation	Workshop Evaluation
3.2 Develop and implement a plan for Digital Citizenship instruction.	3.2.a. Research available digital citizenship curriculum.	Fall 2012	TIS & Conflict Management Instructor	URL list	Share data with Tech Committee
	3.2.b. Develop a K-8 curriculum map for digital citizenship instruction.	Fall 2012	TIS & Conflict Management Instructor	Digital Citizenship Curriculum Map	Feedback from Director & Teaching Staff
	3.2.c. Develop calendar for digital citizenship instruction.	Fall 2012	TIS & Conflict Management Instructor	Calendar	Shared with staff

Goal 4: Strengthen sustainability plan for technology equipment and budget

Objective	Strategies/Outcomes	Time-line	Responsibility	Data Collection	Assessment
4.1 – Plan for contracted support services	4.1.a. Researching options for purchasing contracts for repair/support and network/server support	Fall 2012	Tech Coordinator & TIS	Bids for contracts	Feedback from Tech Committee
	4.1.b. Determine yearly % of technology budget to be used to purchase contracts.	Fall 2012	Tech Coordinator & TIS	Revised Tech Budget	Budget Approval by Tech Committee
	4.1.c. Present data to Technology Committee for approval and/or edit if necessary.	Fall 2012	Tech Coordinator & TIS	Revised Tech Budget	Budget Approval by Tech Committee
	4.1.d.	Fall	Tech	Contract	Approved purchase

	Purchase contracts.	2012	Coordinator & TIS		by Director
4.2 – Create a plan for technology replacement.	4.2.a. Develop a proposal for technology replacement.	Spring 2013	Tech Coordinator & TIS	Replacement Cycle Proposal	Feedback from Tech Committee
	4.2.b. Present data to Technology Committee for approval and/or edit if necessary.	Spring 2013	Tech Coordinator & TIS	Replacement Cycle Proposal	Feedback from Tech Committee
	4.2.c. Implement plan.	Spring 2013	Tech Coordinator & TIS	Replacement Cycle Proposal	Reviewed by Tech Committee

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4. **Optional Links:** Provide links to district strategic planning documents, survey instruments, policies, or other resources that were used to provide data and help prepare the technology plan.

Schoolcraft Learning Community Technology Needs Assessment Survey (2012). Available at http://schoolcraft.org/html/about/documents/SLC_Tech_Needs_Assessment.pdf

International Society for Technology in Education (2007) National Education Technology Standards for Students. Retrieved from <http://www.iste.org/standards/nets-for-students>

International Society for Technology in Education (2008) National Education Technology Standards for Teachers. Retrieved from <http://www.iste.org/standards/nets-for-teachers>

International Society for Technology in Education (2011) National Education Technology Standards for Technology Coaches. Retrieved from <http://www.iste.org/standards/nets-for-coaches>

5. **Link to Current Technology Plan:** Provide the link on the LEA website where the technology plan will be posted and updated throughout the planning period.

The Schoolcraft Learning Communities Technology website <http://www.schoolcraft.org/html/about/documents.html>

7. Children's Internet Protection Act (CIPA)

This LEA has an Internet Safety/Acceptable Use Policy in place.

Yes

No

If yes, please provide a link to access the policy at the LEA website.

<http://www.schoolcraft.org/html/about/documents.html>

This school district deploys an Internet filter to protect minors from material that is pornographic or otherwise harmful to them.

Yes

No