

# 2013-2016 Technology Plan

## **Technology Planning Process**

A group of six stakeholders including an administrator, one board member, one parent, a teacher, a technology coordinator and a library media specialist will collaborate in an ongoing effort to develop a plan to effectively distribute and utilize technology in our district. Once the committee has approved the document, it will be presented to the school board for approval and posted on our website for patrons. We will use NWEA testing and other evaluation measures along with the state technology standards to increase our level of technology and technology use. The plan includes internet filtering, which is a dynamic process that is monitored by the technology coordinator with input from staff and teachers. Internet filtering will be provided to be in compliance with state and federal regulations and based on the needs of the staff and students. The plan, including internet filtering policy, will be brought to a school board meeting for review and approval, as well as be available for review by staff and patrons in the office and on our website. This plan will be reviewed annually for updates and revisions by October 20 of each year.

The technology planning committee includes:

- Mr. Kelly Rasch, Superintendent/Elementary Principal
- Mrs. Kristi Madler, parent
- Mrs. Leah Madler, parent and school board member
- Mrs. Tammy Maule, first grade teacher
- Mrs. Carol Herberholz, library media specialist
- Mrs. Shannay Witte, technology coordinator

## **Vision Statement**

It is the vision of the New England Public School to maximize learning for students through the use of current technology and empower teachers by cultivating a technology-rich educational environment. By including technology in our K-12 curriculum, we can continue to instruct students in the basics, promote active student-centered learning, and equip users with present and future skills. The use of technology as a tool improves the ability of students, teachers, administrators, and the entire community to use and distribute information more efficiently and more effectively.

## **STAGEnet**

The State of North Dakota's Information Technology Department along with STAGEnet partners will continue to develop and enhance a statewide network to service its educational facilities. STAGEnet exists to provide a secure, reliable, and cost-effective network that has the scale and flexibility to support the convergence of data, voice, and video to meet and surpass the objectives of education.

## **Goals, Strategies and Timelines**

In accordance with this vision, New England Public School has identified six goals.

1. New England Public School will create learning environments that include effective technology resources for our educators and students.
2. Teachers will use technology to improve their teaching practices and enhance their professional development.
3. Educators at New England Public School will provide their students with technology rich learning opportunities.
4. New England Public School will use appropriate progress and assessment tools and technology to improve student learning and achievement at all levels, including those students with disabilities.
5. New England Public School will utilize online adaptive testing to assess and monitor student performance and achievement at least twice a year at all grade levels.
6. New England Public School will assess the results of the technology resources implemented in our school on an ongoing basis using feedback from staff, students and parents and by monitoring the usage of related hardware and resources.

<p><b>Goal #1:</b> New England Public School will create learning environments that include effective technology resources for our educators and students.</p>		
<p><b>Rationale:</b> Learning environments that include technology engage students and help educators be more effective and efficient. Making technology readily available gives educators the opportunity to integrate it into their lessons frequently and gives students more tools to take their learning to a higher level.</p>		
Strategy	Measure	Timeline
NEPS will provide the technical support to ensure that technology resources are available and useful for the teaching, learning and administration in the district.	State, federal and local funding of technology position, technical support contracts, and continuing education for technology personnel.	Annual budget allocation
NEPS will support the implementation of educational technology including distance education.	Student use of NDCDE and teacher use of online professional development activities.  Continued use and support of the IVN system and GWN.	October 2013 and annually
NEPS will maintain or improve their current student to computer ratio to provide equitable access to all staff and students, including students with disabilities.	Up to date school inventory and student census measures.  Computer mini-labs in LD/Resource room for use by students with special needs.  Staff will be provided tablet devices for classroom use	August 2013 and annually
NEPS will maintain current technology and invest in new technologies that are effective tools for classroom learning such as Discovery Education, NWEA, Inbit, Office 365, etc.	Maintain hardware and software support contracts Provide time and money for technology maintenance Technology purchasers will consult sources like vendors, manufacturers and Teco Listserv to help determine quality of educational technology	Annual Budget allocation
NEPS will maintain Internet Filtering to provide a safe, educational Internet environment.	Use of state web filtering services Technology coordinator will maintain custom filter lists	On a regular basis, to be monitored continually and as requested by staff
The NEPS Technology Coordinator and administration will collaborate with staff to continually evaluate and improve technologies for classroom use and enhance our Educational Improvement Plan	Formal and informal staff discussions Yearly budget approval on tech projects	Annual Budget Process

<b>Goal #2:</b> Teachers will use technology to improve their teaching practices and enhance their professional development.		
<b>Rationale:</b> Teachers who utilize technology are able to access more current materials, teaching ideas and techniques for use in the classroom. Rural teachers who are able to use online professional development have more opportunities to learn about topics pertinent to their curriculum and can develop their professional interests effectively.		
<b>Strategy</b>	<b>Measure</b>	<b>Timeline</b>
NEPS will endorse the ND Library/Technology Literacy Standards as a guide for developing educational programs and classroom practices.	Standards will be posted in teachers work room and available in the online staff folder.	August 2013 and annually
NEPS will continue to assess the technology literacy of staff members through summer technology staff inservices. Staff inservices will include Internet safety topics.	90% or more of NEPS teaching staff will participate in inservices annually	July 2013 and annually
NEPS will include use of technology in the classroom as part of their staff evaluation process	Administrators annually evaluate staff during classroom visits and informal observation	April 2013 and annually
NEPS will make professional development available to staff, including technology integration in the classroom and in professional use.	Professional development plan and inservices planned into the academic calendar Promote and provide materials for attending ND TNT conference Title funding and general budget allocation	August 2013 and annually
NEPS will utilize a student information system and other communication systems to communicate with parents, students and other educators.	Use and support of Powerschool and Powergrade Use and support of Inbit messaging system Use and support of school website Use and support of Sendit mail service and listserv's Use of PowerAnnouncements	July 2013 and annually

<b>Goal #3:</b> Educators at New England Public School will provide their students with technology rich learning opportunities.		
<b>Rationale:</b> Students in a technology rich learning environment are more engaged in the learning process and take more ownership of their own learning. Collaborative and inquiry-based projects are made richer and more successful for the student in a technology rich environment.		
<b>Strategy</b>	<b>Measure</b>	<b>Timeline</b>
NEPS will endorse the use of ND Library/Technology Standards and the "Eighth Grade Technology Literacy" mandate as set out in NCLB.	Mandatory 7 <sup>th</sup> /8 <sup>th</sup> grade computer literacy course with Internet Safety included Posting standards for teachers to use in online staff folder.	July 2013 and annually
Teachers will implement learning opportunities that are technology rich to enhance current learning and meet the needs of all students, including students with disabilities	Annual inservice to measure teacher technology skill acquisition Classroom observation of teachers and students during annual administrative evaluation	March 2013
Teachers will engage students in collaborative, project-based, problem-based, inquiry-based and other authentic learning activities.	Teachers will display original student work in the school and on the website Classroom observation of teachers and students during annual administrative evaluation	March 2013
NEPS will encourage distance learning and other learning technologies to ready students for graduation and post-graduation education.	Student use of NDCDE and teacher use of online professional development activities. IVN system participation Use of dual-credit program with DSU.	August 2013 and annually
Teachers will integrate the use of multimedia and other outside technology resources like the Internet to enhance existing learning opportunities.	NEPS, Stagenet and state of ND will support the integration of Internet services NEPS will provide hardware like data projectors, document cameras and computers for classroom use NEPS will provide Discovery Education video service	August 2013 and annually
Teachers will monitor Internet use and recommend filtering or unfiltering of sites as educationally appropriate.	NEPS staff, the technology coordinator and Stagenet will collaborate to provide a high level of internet filtering	On a regular basis, to be monitored continually and as requested by staff

**Goal #4:** New England Public School will use appropriate progress and assessment tools and technology to improve student learning and achievement at all levels, including those students with disabilities.

**Rationale:** Tracking student data and achievement is important for educators to be able to create dynamic learning environments that are suited for all learners. Periodic assessment allows education teams the opportunity to identify students with changing needs in a timely manner.

Strategy	Measure	Timeline
In conjunction with implementation of our educational improvement plan, elementary and English classrooms will use reading assessment tools to measure specific reading skills and achievement.	Accelerated Reader assessment reports for individual students Educational improvement plan reading strategies monthly report	An a regular/daily basis
Elementary and Jr High classrooms will utilize quarterly assessments of overall achievement in math and reading	Star Math and Star Reading programs implemented at the conclusion of each quarter	Up to 4 times a year
Throughout K-12, NEPS will administer state mandated testing to measure overall achievement in reading, math and science.	State testing for grades 4, 8, 11	Annually
NEPS will provide timely feedback to students and parents regarding achievement in individual enrolled courses.	PowerSchool parent and student access websites Educators will send midterm grade reports as necessary.	On a regular basis to be monitored continually

**Goal #5:** New England Public School will utilize online adaptive testing to assess and monitor student performance and achievement at least twice a year at all grade levels.

**Rationale:** Tracking student data and achievement is important for educators to be able to create dynamic learning environments that are suited for all learners. Periodic assessment allows education teams the opportunity to differentiate learning and identify students with changing needs in a timely manner.

Strategy	Measure	Timeline
In conjunction with implementation of our educational improvement plan, elementary classrooms and High School English and Math classrooms will use online adaptive testing to assess current reading and math skills.	NWEA testing	At least twice a year (fall and spring)
Educational teams will meet and analyze the cumulative NWEA data and reports to help set appropriate education goals for students.	NWEA dynamic reporting Powerschool Reports	At least 2 times a year
Educational teams will meet to share previous data and NWEA results to help transition students from one grade level to the next.	NWEA reports and dynamic reporting Powerschool Reports	Annually
NEPS will provide timely feedback to students and parents regarding NWEA results and future education goals related to that testing.	NWEA reports utilized during parent-teacher conferences. NWEA resources and materials available on our website PowerSchool Parent Portal	On a regular basis, at least twice a year, to be monitored continually

**Goal #6:** New England Public School will assess the results of the technology resources implemented in our school on an ongoing basis using feedback from staff, students and parents and by monitoring the usage of related hardware and resources.

**Rationale:** Monitoring the usage and responses to implemented technology resources gives our school the ability to make effective use of technologies that are working well in the learning environment and to better future decisions about what technology resources to invest in.

Strategy	Measure	Timeline
Administration, including the superintendent, principal(s) and technology coordinator will gather feedback from staff, student and parents regarding implemented technology	Staff, student and parent comments and feedback P/T Conferences and invitation to express comments in yearly welcome letter.	At least twice a year (fall and spring)
On going monitoring of usage of hardware and software usage by technology coordinator	Event logs on server Check out lists for devices Staff and Student Feedback	On a regular, on going basis, monitored continually

**Technology Plan Contact<sup>1</sup>**

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<sup>1</sup> Created March 2013  
Reviewed and Revised Oct  
Approved by School Board April 2013



New England Public School District #9  
Technology Plan Budget

<b>Expense</b>	<b>2013-14</b>
Professional Salaries	\$12,881
Employee Benefits	\$3,841.88
Purchased Technical Services	\$9,500.00
Professional Development	\$9,000.00
Maintenance of Equipment	\$750.00
Travel	\$1,000.00
Telecommunications & Internet-Local	\$1,200.00
Telecommunications & Internet-State Network	\$18,068.28
Materials and supplies	\$4,600.00
Equipment	\$9,000.00
Other, Dues, Fees	\$200.00
<b>Total</b>	<b>\$70,041</b>

<b>Budget Revenue</b>	
Local	\$53,000.00
State General Funds	\$0.00
Federal	\$0.00
E-Rate	\$11,744.40
State-funded undiscounted portion of Erate	\$6,323.88
<b>Total</b>	<b>\$71,068</b>