New Hampton Community School District Technology Plan 2013-2018

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1.0   Introduction

This Technology Plan is a guide for the implementation and support of technology integration throughout the school over the next five years. The purpose of this plan is to assist the New Hampton Community School District (NHCSD) to evaluate the current and proposed status of technology, to create ongoing strategies for integration into the curriculum, and to serve as a framework for technology related professional development and acquisitions.

Thoughtful use of technology provides staff and students with the tools necessary to implement 21st Century skills into the learning environment. A constant cycle of planning, implementing and reassessing the technology plan and curriculum will ensure that all students at NHCSD will be able to fully utilize technology as a learning tool.

2.0   Technology Integration Team

Name	Title	Name	Title
Jared Aegerter	Class of 2018	Krissy Anderson	High School Business Applications Instructor
Susan Anderson	Middle School Principal	Kathleen Ayers	
Emily Baltes	Elementary Teacher/Media Specialist	Beverly Berns	Keystone AEA
Jeremiah Cantu	Technology Support	Hunter Carey	Class of 2018
Lori Carey	Parent	Bob Fenske	Parent
Ryan Gray	Generalist Instructor	Kathy Hay	Keystone AEA
Eric Huff	Middle School Math Instructor	Jay Jurrens	Superintendent
Karen Kayser-Kemp	High School English Instructor	Linda Kennedy	Elementary Principal
Justin Kuennen	Class of 2015	Gladys Martin	Elementary Special Education Instructor
Kelly Matthews	District ELL Instructor	Joey Miller	Class of 2015
Jeff Monteith	Middle School Science Instructor	Susan Nosbisch	Elementary Kindergarten Instructor
Kelly O'Donnell	High School Athletic Director	Dennis Pagel	Elementary Fourth Grade Instructor
Jamie Quass	High School Science Instructor	Tom Rasmussen	Parent/Board of Education
James Russ	High School Vocational Agriculture Instructor	Sarah Updegraff	High School Prinicipal
Joanne Wickham	Middle School Guidance Counselor		

3.0   Mission and Technology Vision

Mission - The mission of the New Hampton Community School District is to empower all students to succeed in a changing world.

Technology Vision - New Hampton Community School District students are life-long digital learners who use a wide variety of technologies in a student-centered learning environment that promotes problem solving, creativity, global communication, and collaboration during and beyond the traditional school day.

4.0   Technology Goals and Strategies

Technology education is an important component to realizing the mission of NHCSD, providing students with the tools necessary to succeed. NHCSD will make strategic investments in technology to support student learning, professional development and administrative operations including infrastructure and hardware.

The Technology Integration Committee recommends a combined use of SAMR (Substitution, Augmentation, Modification, and Redefinition)[1] ISTE (International Society for Technology in Education) [2], the CORE Curriculum 21st Century Skills[3]Technology Literacy, and STEM (Science, Technology, Engineering, Math)[4] , and Federal and State Elementary and Secondary Education Acts[5] to define the goals and objectives of this plan:

Goal 1: Students will acquire, maintain and enhance 21st Century technology skills through district initiatives that:
- Provide students with 24/7 access to quality devices and instruction.
- Encourage students to explore educational interests to share knowledge with peers and the global community.
- Provide opportunities for individual and collaborative projects, problem solving, and authentic experiences that encourages them to become creators and producers.

Goal 2: Through Professional Development teachers will improve integration of 21st Century technology skills in the curriculum and assess its effectiveness as they:
- Participate in quality professional development through PLCs (Professional Learning Communities), IPDPs (Individual Professional Development Plan), and PLNs (Personal Learning Networks)
- Apply technology Professional Development initiatives regularly in student-centered and globally connected classrooms.
- Collaborate and lead Professional Development.
- Identify and support technologies consistently across the curriculum in all grade levels including: productivity, cloud computing, communication, social networking, safety and security, personal learning opportunities, robotics, computer programming/coding, computer aided graphics/design, 3D animation/printing, CTE applications, cyber learning,.

Goal 3: The New Hampton Community School District will provide, maintain, and improve a

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[1] "Ruben R. Puentedura's Weblog - Hippasus." 2003. 31 Oct. 2013 <http://www.hippasus.com/rrpweblog/>
[2] "International Society for Technology in Education (ISTE)." 2003. 31 Oct. 2013 <https://www.iste.org/>
[3] "Iowa Core 21st Century Skills (doc) | Iowa Department of Education." 2013. 31 Oct. 2013 <https://www.educateiowa.gov/documents/iowa-core/2013/04/iowa-core-21st-century-skills-doc>
[4] "STEM - U.S. Department of Education." 2013. 31 Oct. 2013 <http://www.ed.gov/stem>
[5] "Text of H.R. 2536: Computer Science Education Act of ... - GovTrack.us." 2013. 6 Dec. 2013 <https://www.govtrack.us/congress/bills/113/hr2536/text>

comprehensive technology infrastructure (hardware, software, network access, equipment and devices) with widespread access and connectivity for students and staff as they:
- Budget necessary funds to maintain and improve the infrastructure.
- Provide adequate daily maintenance to maintain the infrastructure.
- Support sharing of technology tools, ideas, and access across the district and beyond the school day.
- Update Technology Policies: Acceptable Use for Staff and Students, Library/Media Centers, 1:1 Devices/Initiatives, Bring Your Own Device (BYOD) to meet 21st Century standards and current practices.

Goal 4: The New Hampton Community School District will support a plan that ensures students technology literacy skills are vertically and horizontally articulated *
- Review and map technology across grade levels and content areas to identify technology taught, integration levels, and areas to be improved
- Develop and implement a media/technology literacy curriculum and embed in all content areas

* AEA NHCSD Technology Assessment 4-22-2013 (see Appendix)

5.0 Professional Development
   Opportunities:
- Personal Learning Communities (Wednesday afternoon early dismissal PLC and/or online)
- Teacher Quality Days
- Conferences, workshops, webinars, and other forums online or face to face
- Technology integration and support through Area Education Agency (AEA) staff
- Professional Learning Networks (PLN)
- Individual Professional Development Plans(IPDP)
- Technology coaching, small group or individual
- New Teacher Orientation
- On-site training

   Areas of Focus:
- Instruction on locating, evaluating, and using information to support and enhance learning across the curriculum
- Tutorials on the use of the student information system, cloud computing, social networking for professional use, and any other software provided or utilized by the school
- Collaboration on how to use technology-based tools for instructional integration that supports the technology goals in this plan
- Training on the operation of recently purchased technology equipment/applications for the classroom as necessary

6.0 Technology Needs Assessment (Items listed can be found in the Appendix)
- Technology Accessibility Survey Questions Sp 2013
- Technology Accessibility Survey Summary Sp 2013
- Technology Hardware Report 2013
- AEA NHCSD Technology Assessment 4-22-2013

   Yearly Updates/Renewals:
   Software/Applications:
- PowerSchool/Student Information System (SIS) updates

- Productivity Tools
- Communication and Social Networking Sites
- Google and other cloud applications
- Classroom specific software for curriculum strategies
- iPad and Mobile Device Applications
- Keystone Online eFollett/Databases
- Credit Recovery and Advanced Placement Credit (E2020)

Hardware:
- Desktop computers
- Classroom Projection
- Interactive White Board
- Sound systems
- Laptop computers/Individual Devices/1:1
- Printers/Copiers: B&W/Color/3D
- Servers
- Scanners
- Digital cameras
- Phone/Voice
- Mobile phones
- Internet/Wireless Access
- Fax machines
- Laptop Carts
- Lab Use/Maintenance
- Curriculum Specific: Career & Technical Education (CTE), Adaptive Technologies, etc

7.0   Evaluation Process

Benchmarks used to evaluate the effective integration of technology goals, objectives, activities, resources, and services may include:
- Ratio of students to computers (Goal: 1 student : 1 computer)
- Number of curriculum areas in which technology is integrated
- Student projects,
- Teacher lesson plans
- Observations and reviews
- Surveys of staff, students, parents and community
- Software and hardware integration
- Timely acquisition and renewal of resources
- Adequate technology support structures (personnel, resources)

During each academic year, NHCSD's Technology Integration Committee will meet to review this plan.   The plan will be assessed and revised as needed to provide an accurate representation of current and possible future technology at NHCSD.

8.0   Budget

The Board of Education, the office of the Superintendent, and the Administration will be responsible for budgeting support of the technology plan. The budget will be reviewed, revised, and shared yearly by the same. NHCSD will employ the use of local, federal, and private resources when available to fund the technology, which may include district funding, Instructional Support Levy (ISL), Physical Plant and Equipment Levy (PPEL), Federal E-Rate, McElroy and other grants.

Appendix

Technology Integration Committee Goals 10-3-2012

AEA NHCSD Technology Assessment 4-22-2013

PowerSchool E-Registration Parent Permissions

Technology Accessibility Survey Questions Sp 2013

Technology Accessibility Survey Summary Sp 2013

Technology Hardware Report 2013

Student Handbooks:
- Middle School Technology Resources Page 26
- Middle School Electronic/Technology Devices Page 14
- High School Instructional Computing Page 43
- High School Acceptable Use of Internet/Network Resources 605.4 Page 43

Board Policy:Acceptable Use Policies for Staff, Students, Professional Development

Documentation of Internet Safety Instruction (CIPA/ERATE)

1:1 Initiatives/Devices

Budget (if desired by the Board of Ed and Superintendent)