

**Franklin West Supervisory
Union
Technology Plan
“Learning with 21st Century
Tools”
2009 – 2012**

**Fletcher Elementary School
Georgia Elementary/Middle School
Bellows Free Academy at Fairfax**

**Contact: Ann Dunn
Director of Technology
Franklin West Supervisory Union
PO Box 108
997 Main Street
Fairfax, VT 05454
(802) 849-9200 x4002**

Date Approved by FWSU School Board: 5/27/2009

Signature/Certification Page

General Information: The signature (below) certifies that this school, district, or supervisory union meets all requirements for Informational Technology planning as defined by the State of Vermont under the federal “No Child Left Behind” legislation.

Name of supervisory union or school(s) covered by this Technology Plan:

Franklin West Supervisory Union

Technology Contact Person: Ann Dunn

Phone: 802-849-9200 x4002

Title: Technology Director

E-mail address: adunn@franklinwestsu.org

Check here if you do **NOT** wish to be added to the Department of Education’s “Ed Tech” listserv. This listserv is one of the primary means of communication between the DOE and schools.

Contributors to this Educational Technology Plan and their affiliations.

Bruce Chattman, Superintendent

Mary Lynn Riggs, Curriculum Director

Steven Davis, Computer Technician

Eric S. Hadd, Teacher

Dayle Payne, Technology Integrationist

Amy Rider, Librarian

Sylvia Gagne, Computer Technician

Nancy Gross, Technology Integrationist

Lisa DeLorme, School Principal

Flora Hurteau, School Principal

Jeffrey Teitelbaum, School Principal

Ann Dunn, Technology Director

Certifications:

This Educational Technology Plan was approved by our School Board on: May 27, 2009

Children’s Internet Protection Act (CIPA) certification:

The school did not certify compliance with CIPA in it’s last E-rate application, but does certify, as part of this technology plan, that it meets CIPA requirements

Signature: _____ Date: _____

(Superintendent/CEO)

Mail this page only to: Peter Drescher, Vermont Department of Education, 120 State Street, Montpelier, VT 05620-2501

Franklin West Supervisory Union Technology Plan 2009 – 2012

Executive Summary

The State of Vermont has issued a state wide three year educational technology plan and guidelines to individual schools and districts to create local three year technology plans. These Supervisory Union and local school plans must be approved by the local school board and filed with the State by June 30, 2009.

The State goals include:

- Creating environments to support student centered learning
- Foster student and teacher leadership in a student centered environment
- Using technology to provide flexible learning environments
- Using technology tools to engage community partners in education
- Using technology and data to evaluate student success and to support local education decisions

In support of, and in addition to, the goals outlined by the State, Franklin West Supervisory Union has outlined specific local goals. These local goals focus on increasing accessibility of technology to students and teachers and supporting the increased use of technology in classroom instruction. The Supervisory Union also has goals to reduce the overall cost of technology and increase technology support and services through centralization and other initiatives.

The schools of Franklin West Supervisory Union have worked over the last few years to increase accessibility of technology in classrooms and stationary and mobile computer labs. Increased support and training for teachers has resulted in increased use of technology in direct instruction as well. The teacher technology survey shows that while there is still work to be done, teachers are generally more comfortable with the tools available to them than they were four years ago.

The 2009-2012 plan includes expanding the use of learning management systems in a way that makes it easy for teachers to use the tools available; increasing computers, whiteboards and anything else that helps to teach and motivate students; getting more technology into student hands, including student owned devices; foster the use of technology in the arts; expand the use of technology in providing assessments; and increase parent and community involvement in educating students.

Vision and Goals

The Vermont Department of Education and the State Board of Education have recently produced *The Transformation of Education in Vermont* as a guide for Vermont schools in the 21st Century. This work focuses on technology supporting students in actively engaging with their learning environment, including the outside world. The focus has moved from increasing student skills in regard to technology toward using technology itself as a learning tool.

The 2009-2012 Vermont Educational Technology Plan focuses on the environment and skills needed for students to succeed in today's world, including:

1. [Student Centered Learning](#): Teachers create a learning environment in which Vermont students use information and communication technologies to engage in learning tasks that are meaningful, relevant, and authentic, in ways that engage their interest and foster independent and collaborative learning. Best practices lead to activities not always dependent on direct instruction and teacher-imparted knowledge.
2. [Leadership in a Student Centered Environment](#): Vermont school administrators foster the development of teacher and student leaders for student-centered learning through technology.
3. [Flexible Learning Environments](#): Vermont schools use technology to provide robust educational opportunities to students, including distance learning, and provide resources in ways that allow for varied access during and beyond the traditional school day. Access to multiple forms of learning resources on a 24/7 basis becomes a common goal for schools.
4. [Engaged Community Partners](#): Vermont schools use technology tools to develop all manner of partnerships within the local, regional, state, and global communities. These partnerships are founded with the aim of providing a rich resources to students, building opportunities for learning, and helping foster overall community growth. They also assist schools in sharing relevant information with parents, community members, school partners, and other school sites.
5. [Results and Indicators of Success](#): Vermont schools will employ technology both as a tool for student assessment and as a mechanism for distributing data that is used for educational decision-making. Local districts will formatively monitor the degree to which local technology plans are implemented.

Franklin West Supervisory Union schools' have developed the following goals and strategies to create an environment that will support the State goals. Franklin West has also identified goals that will generally improve the operations of the schools and the Supervisory Union. Specific goals identified by Franklin West are:

1. Develop infrastructure to support effective use of technology in teaching and in learning
2. Develop standard method to evaluate Technology Plan success and progress

3. Increase accessible and available technology in the classrooms
4. Create definition of what schools of the future should look like
5. Provide professional development to help teachers expand their skills and use technology in a meaningful way in the classroom.
6. Move towards reducing paper – increasing electronic copies and communication
7. Centralize functionality to provide increased efficiency and increased economies of scale

Progress and Challenges

The technology plan for 2007-2009 focused on building teachers' technology competency and creating the staff and hardware structure to support the use of technology in the classroom. The three areas addressed in this plan were supporting instructional use of technology, building the infrastructure to increase access in the classroom, and building an administrative structure to support the users and keep the network and computers up and running.

Evaluating the progress made on this prior plan helps identify areas that still need to be addressed in the new plan, and will provide guidance in determining the direction the use of technology will take in our schools.

Instruction

The use of technology is growing, and at the same time some teachers are still intimidated by the fast paced changes in technology. The many costs of implementing new technology can be prohibitive, so teachers and schools end up “making do” with obsolete, ineffective or insufficient or even no technology resources. Even where it may be recognized that the use of new, or at least relatively current, technology integration in the classroom could increase student engagement, understanding and active participation, funding limitations, learning curve, educational philosophy, physical space and infrastructure are significant roadblocks to moving forward.

Standardized curricula and assessment in the core academic areas are being developed. Use of the VCAT system for sharing curriculum and assessments is expanding and the data collected is being reviewed to evaluate the effectiveness of teaching and to help define the future direction of the programs. Evaluating student use of technology skills has not yet been included in the assessments for the core programs.

Educational Technology Specialist positions have been created at Bellows Free Academy-Fairfax and Georgia Elementary and Middle School. The librarian and a para-educator fill this role at Fletcher Elementary School. The technology specialists work with students as well as with teachers to provide technology instruction and assistance in incorporating technology into units and lessons.

Teachers in all schools work with the technology specialists to include technology in unit plans. In many instances the teachers are still dependent on the technology specialists to help them define the technology needs and work with students on technology. In some cases technology is only used when the technology specialist is present. Some teachers are uncomfortable managing the laptop carts and other technologies without assistance.

The online learning management system Moodle has been piloted at the Georgia Elementary School to provide online professional development to staff and offer e-learning to students as well. It is currently being used to provide e-learning support in traditional middle level math programs. It is also currently being considered as an option for professional development by the Professional Development committee. This tool (or similar tools) can be provided at the other schools in the district as well.

Our current licensing for Moodle allows for multiple instructors and courses. Building the first time online component for existing classes is time consuming and is being incorporated into the summery professional development plans. Teachers will continue to need support to implement an on-line component to their classes. Moodle is a very small snowball just starting to roll.

TAGLIT, a teacher and student technology survey was last done during the 2004-2005 school year. A new survey designed to measure progress in professional development and student progress towards the Grade Expectations is overdue.

At the time of the 2005 survey teachers and students skills were similar. Most teachers could do most tasks with help, very few felt comfortable enough with the tools to teach others. While teachers were generally able to use the core technologies, they were not consistently using the technologies in the classroom and were not yet fully convinced that there the use of technology in teaching and learning is relevant.

Infrastructure and Access

A Wide Area Network (WAN) has been created, improving the overall connectivity between the schools and the Supervisory Union central office. There is still room for improvement on the speed and reliability of the current connections. The restrictions on the WAN impact the ability of school support staff to share a single central source for administration tools.

Administration

The position of Supervisory Union Technology Director has been created and a Director has been hired, with the goals of consolidating technology at the SU level, providing direction and support to the schools, teachers, and local support technology structure, manage technology budgets and work with the schools to integrate technology in instruction at all levels.

The technology staff across the supervisory union will be consolidated as SU staff beginning July, 2009. This will provide increased flexibility and support to teaching staff.

The Plan

The FWSU Technology Plan for 2009 – 2012 will continue to focus on increasing the use of technology in education, making more effective use of technology in the administration of the schools in the supervisory union, and on building skills in both teachers and students. Core administrative functions will move toward a more centralized model. Staff will be consolidated at the FWSU level, providing broader support to each of the schools and sharing staff resources where appropriate.

Classroom instruction will move from developing familiarity and basic skills to increasing student options for access and building skills to live and work in a Web 2.0 world. The Web 2.0 focus will include increasing options for access to teaching and learning, improving critical thinking and problem-solving skills, engaging student interest, and supporting project-based, student led learning.

As a component of using flexible learning environments to meet the needs of all students, the technology staff will work with the special education team to identify and implement assistive technologies where appropriate.

Professional development will focus on helping teachers incorporate technology tools into the daily lesson plans and assessments as well as encouraging students to make effective use of technology in learning and in presenting information and demonstrating the 21st Century Skills as defined by The Partnership for 21st Century Skills

Barriers to be overcome or managed include:

- limited Internet and WAN bandwidth,
- finite resources for purchasing new computers and other interfaces,
- system security concerns,
- teachers lack of knowledge about tools and systems available to them,
- real and perceived threats to student and student data safety, and
- over-extended technology support structure.

Activities defined in this plan will focus on breaking down barriers and improving teachers and students 21st Century Skills.

Possible funding sources are identified with estimated costs over the period of the technology plan. Action items that will not incur additional costs are identified as covered by the regular school operational budgets.

Action Plan Template for Goal 1: Create a learning environment to support student centered learning

Local Goal: Our SU will: Increase accessible and available technology both inside and outside of the classrooms to support all students.

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
1	Create shared lesson templates in multiple grades and subjects utilizing learning management system	<ul style="list-style-type: none"> • Tech Integration Specialist • Classroom Teachers • Curriculum Team 	<ul style="list-style-type: none"> • None 	<ul style="list-style-type: none"> • Title IIA • Operational 	<ul style="list-style-type: none"> • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of templates created
2	Implement a centralized learning management system for all schools in the SU to share (i.e. Moodle)	<ul style="list-style-type: none"> • Network Administrator • Technology Committee • Technology Integration Specialist • Teachers • Support staff 	<ul style="list-style-type: none"> • Web server 	<ul style="list-style-type: none"> • Title IID • Local • Y2: \$4,000 	<ul style="list-style-type: none"> • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y2 	<ul style="list-style-type: none"> • Number of courses offered
3	Expand availability of interactive whiteboards, ceiling mount projectors, and other permanent hardware installations in classrooms	<ul style="list-style-type: none"> • Technicians • Custodial staff 	<ul style="list-style-type: none"> • New interactive boards and peripherals 	<ul style="list-style-type: none"> • Local • Title IID • ARRA • Y1: \$16,000 • Y2: \$50,000 • Y3: \$6,000 	<ul style="list-style-type: none"> • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of units installed
4	Make classroom response systems available in each school	<ul style="list-style-type: none"> • Tech Staff • Teachers 	<ul style="list-style-type: none"> • Classroom response system 	<ul style="list-style-type: none"> • Local • Title IID • Y1: \$4,000 • Y2: \$10,000 	<ul style="list-style-type: none"> • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y1, Y2 	<ul style="list-style-type: none"> • Anticipated costs and outcomes
5	Provide assistive technology as appropriate to support all students learning	<ul style="list-style-type: none"> • Tech Staff • Special Ed Teachers • Teachers • Support staff 	<ul style="list-style-type: none"> • Systems and software based on identified needs 	<ul style="list-style-type: none"> • IDEA B • Title I • Y1: \$5,000 • Y2: \$5,000 • Y3: \$5,000 	<ul style="list-style-type: none"> • Outside continuing education 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of students supported with technology

Indicators of Success for this Goal: Lesson plans and assignments are developed with technology embedded naturally.

Action Plan Template for Goal 1: Create a learning environment to support student centered learning

Local Goal: Our SU will: Develop infrastructure to support effective use of technology in teaching and in learning

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
1	Optimize the school networks to support increased use of technology	<ul style="list-style-type: none"> • Technicians 	<ul style="list-style-type: none"> • Wireless Networking 	<ul style="list-style-type: none"> • Local • Title IID • Y1: \$5,000 • Y2: \$7,000 • Y3: \$2,000 	<ul style="list-style-type: none"> • Outside training 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Network statistics over time
2	Support student-owned technology and open source software	<ul style="list-style-type: none"> • Technicians • Principals • Superintendent • School Boards 	<ul style="list-style-type: none"> • Wireless Networking 	<ul style="list-style-type: none"> • Local • Operational 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y3 	<ul style="list-style-type: none"> • Student VLANS implemented
3	Develop a student-led help desk to support students and teachers	<ul style="list-style-type: none"> • Technicians 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Local • Y2: \$1,000 • Y3: \$500 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y2, Y3 	<ul style="list-style-type: none"> • Number of students involved • Number of incidents resolved
4	Evaluate the feasibility, design options, and pros and cons of one to one computing.	<ul style="list-style-type: none"> • Technology committee • Teachers • Administrators 	<ul style="list-style-type: none"> • None 	<ul style="list-style-type: none"> • Operational 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y2 	<ul style="list-style-type: none"> • Cost/benefits analysis
5	Establish an arts media lab incorporating music and graphic arts	<ul style="list-style-type: none"> • Technicians • Teachers 	<ul style="list-style-type: none"> • Computer, printer/plotter and other peripherals 	<ul style="list-style-type: none"> • Local • Y1: \$3,000 • Y2: \$6,000 	<ul style="list-style-type: none"> • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y1, Y2 	<ul style="list-style-type: none"> • Teacher & student feedback • Usage evaluation
6	Review policies and procedures which impact access to the tools to support teaching and learning	<ul style="list-style-type: none"> • Technology Committee • Administrators • Superintendent • School Boards 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Operational 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y1, Y2 	<ul style="list-style-type: none"> • Number of technology policies reviewed and refined

Indicators of Success for this Goal: Increased use of technology, network statistics indicating effective use of bandwidth

Action Plan Template for Goal 2: Develop Student and Teacher Leadership in a Student Centered Environment through Technology
Local Goal: Our SU will: Provide professional development and daily support to help teachers use technology effectively in the classroom

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
1	Develop a student-led help desk to support students and teachers	<ul style="list-style-type: none"> • Technicians 	<ul style="list-style-type: none"> • Help desk ticket system 	<ul style="list-style-type: none"> • Local • Y2: \$1,000 • Y3: \$500 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y2, Y3 	<ul style="list-style-type: none"> • Number of students involved • Number of Incidents resolved
2	Offer annual Summer Technology Institute to increase teacher knowledge about effective use of technology	<ul style="list-style-type: none"> • Technicians • Technology Committee • Curriculum Director • Technology Director 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Local • Title IIA • \$60,000 annually 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of teachers enrolled
3	Offer content specific mini-courses	<ul style="list-style-type: none"> • Staffing to be determined based on course needs 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Local • Title IIA • \$1,000 annually 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of courses completed
4	Post mini course resources on a centralized Professional Development web page for just-in-time support.	<ul style="list-style-type: none"> • Staffing to be determined based on course needs 	<ul style="list-style-type: none"> • Web server 	<ul style="list-style-type: none"> • Title IIA • Operational 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of mini courses posted • Web statistics re: usage
5	Provide one-on-one support and training	<ul style="list-style-type: none"> • Technicians • Student help desk aides 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Local • Operational 	<ul style="list-style-type: none"> • Customer Service training as required 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Data from help desk ticket system
6	Model effective and appropriate learning technology in content area Professional Development.	<ul style="list-style-type: none"> • Administrators • Teacher Leaders 	<ul style="list-style-type: none"> • Learning Network of Vermont (LNV) • Podcast tools 	<ul style="list-style-type: none"> • Operational 	<ul style="list-style-type: none"> • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of Professional Development courses offered through LNV • Number of Professional Development Podcasts created

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
7	Provide embedded coaching and modeling for classroom use of technology	<ul style="list-style-type: none"> • Technology Integrationists • Teacher leaders • Student leaders 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Operational 	<ul style="list-style-type: none"> • FWSU Tech Institute • Mini courses 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> •

Indicators of Success for this Goal: teachers and students are empowered to use technology in new and innovative ways.

Action Plan Template for Goal 3: Use technology to create a flexible learning environment to expand educational opportunities available to students requiring alternate learning plans.

Local Goal: Our SU will: Expand educational opportunities through the use of technology to support and enhance flexible learning environments.

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
1	Provide professional development to teachers to encourage the use of a learning management system (LMS) to support student online content and interaction	<ul style="list-style-type: none"> • Teachers • Integration Specialists 	<ul style="list-style-type: none"> • Web server • LMS 	<ul style="list-style-type: none"> • Title IIA • Operational 	<ul style="list-style-type: none"> • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of teachers enrolled
2	Investigate and offer on-line learning as alternative to classroom work	<ul style="list-style-type: none"> • Teachers • Technicians • Tech Integration Specialists • Outside resources 	<ul style="list-style-type: none"> • Web server • Internet bandwidth 	<ul style="list-style-type: none"> • Title I • Local • \$1,000 annually 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y2, Y3 	<ul style="list-style-type: none"> • Number of courses approved • Number of students enrolled
3	Support student-owned technology	<ul style="list-style-type: none"> • Technicians • Principals • Superintendent • School Boards 	<ul style="list-style-type: none"> • Wireless network 	<ul style="list-style-type: none"> • Local • Operational 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y3 	<ul style="list-style-type: none"> • Student VLANS implemented
4	Develop a student-led help desk to support students and teachers	<ul style="list-style-type: none"> • Technicians • Principals 	<ul style="list-style-type: none"> • Help desk ticket system 	<ul style="list-style-type: none"> • Local • Y2: \$1000 • Y3: 500 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y2, Y3 	<ul style="list-style-type: none"> • Number of students involved • Number of incidents resolved
5	Increase student access to technology	<ul style="list-style-type: none"> • Technicians 	<ul style="list-style-type: none"> • Computers 	<ul style="list-style-type: none"> • Local • Title IID • \$10,000 annually 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
6	Establish an arts media lab incorporating music and graphic arts	<ul style="list-style-type: none"> • Technicians • Teachers 	<ul style="list-style-type: none"> • Systems and peripherals 	<ul style="list-style-type: none"> • Title IID ARRA • Y1: \$3,000 • Y2: \$3,000 • Y3: \$1,000 	<ul style="list-style-type: none"> • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y2 	<ul style="list-style-type: none"> • Teacher & student feedback • Usage evaluation

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
7	Provide support for special educators and student teams to meet the needs of individual students through the appropriate use of assistive technologies	<ul style="list-style-type: none"> • Technicians • Technology Integration specialists • Technology director • Spec Ed teachers 	<ul style="list-style-type: none"> • Based on student needs 	<ul style="list-style-type: none"> • IDEA B • Title 1 • \$5,000 annually 	<ul style="list-style-type: none"> • Individual support 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of students served
8	Explore the use of virtual learning opportunities for teachers and students	<ul style="list-style-type: none"> • Teachers • Tech committee 	<ul style="list-style-type: none"> • Sufficient bandwidth 	<ul style="list-style-type: none"> • Operational 	<ul style="list-style-type: none"> • Mini courses • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y2, Y3 	<ul style="list-style-type: none"> • Evaluation • Benefits analysis

Indicators of Success for this Goal: We have evidence that students have accessed alternate learning opportunities to meet individual learning needs.

Action Plan Template for Goal 4: Engaged community partners through the use of technology

Local Goal: Our SU will: Increase the use of technology to communicate with community and parents and to foster learning through interaction with local, state, national and international organizations and individuals.

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
1	Continue to develop dynamic school websites and to provide digital resources for students, teachers and parents	<ul style="list-style-type: none"> • Webmaster • School Office Staff • Teachers 	<ul style="list-style-type: none"> • Central Web Server 	<ul style="list-style-type: none"> • Local • Title IID • ARRA • Y1: \$4,000 	<ul style="list-style-type: none"> • Mini Courses • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Timely updates • Current information on sites
2	Create electronic parent newsletters at each school	<ul style="list-style-type: none"> • School secretaries • Tech support 	<ul style="list-style-type: none"> • None 	<ul style="list-style-type: none"> • Local • \$300 annually 	<ul style="list-style-type: none"> • Individual support as needed 	<ul style="list-style-type: none"> • Y1 	<ul style="list-style-type: none"> • Number of community members subscribed • Open rate • Click through
3	Establish community learning opportunities with local organizations	<ul style="list-style-type: none"> • Teachers • Administrators • Students • Community 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Operational 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of students involved
4	Explore effective uses of the existing LNV (Learning Network of Vermont) to network with other schools and organizations	<ul style="list-style-type: none"> • Administrators • Teachers 	<ul style="list-style-type: none"> • Space for LNV • Bandwidth 	<ul style="list-style-type: none"> • Operational 	<ul style="list-style-type: none"> • Mini courses in use of technology as needed 	<ul style="list-style-type: none"> • Y1, Y2 	<ul style="list-style-type: none"> • Logged usage of equipment
5	Develop multimedia lab to support journalism and possible collaboration with local news sources and other media uses	<ul style="list-style-type: none"> • Technicians • Teachers 	<ul style="list-style-type: none"> • Systems and peripheral equipment 	<ul style="list-style-type: none"> • Local • Y2: 2,500 	<ul style="list-style-type: none"> • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y2 	<ul style="list-style-type: none"> • Teacher & student feedback • Usage evaluation
6	Explore the use of virtual learning opportunities for teachers and students	<ul style="list-style-type: none"> • Teachers • Tech committee 	<ul style="list-style-type: none"> • Sufficient bandwidth 	<ul style="list-style-type: none"> • Local • Title 1 • Operational 	<ul style="list-style-type: none"> • Mini courses • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y2, Y3 	<ul style="list-style-type: none"> • Evaluation • Benefits analysis

Indicators of Success for this Goal: Local and regional community partnerships are created and students learning includes working with these partners.

Action Plan Template for Goal 4: Engaged community partners through the use of technology

Local Goal: Our SU will: Create a definition of what our schools of the future should look like

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
1	Create a future school planning team (students, teachers, parents, community, administrators) to enhance 21 st Century Learning	<ul style="list-style-type: none"> • School leaders • Teachers • Students • Administrators • Community 	<ul style="list-style-type: none"> • Web server 	<ul style="list-style-type: none"> • FWSU • Y1: \$4,000 	<ul style="list-style-type: none"> • 21st Century learning • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Final local school transformation document
2	Conduct a community survey (students, parents, teachers, general community) to support our definition of 21 st Century Learning	<ul style="list-style-type: none"> • Tech committee • Administrators • Community 	<ul style="list-style-type: none"> • Survey tool 	<ul style="list-style-type: none"> • Title IID • \$250 annually 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y1, Y3 	<ul style="list-style-type: none"> • Completion and data analysis
3	Sponsor in-school challenge – teams of students charged with designing the classroom of the future	<ul style="list-style-type: none"> • Teachers • Administrators • Students • Community 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Local • Title IID • ARRA • \$1,000 annually 	<ul style="list-style-type: none"> • 21st Century Learning 	<ul style="list-style-type: none"> • Y2, Y3 	<ul style="list-style-type: none"> • Completion data • Ideas generated

Indicators of Success for this Goal: Community, staff and students are engaged in the conversation about the future of education in their communities.

Action Plan Template for Goal 5: Create a plan to measure the results and indicators of success for the Technology Plan and for student success in learning through the use of technology.

Local Goal: Our SU will: Develop standard method to evaluate Technology Plan success and progress

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
1	Incorporate technology assessments in standard curriculum course assessments	<ul style="list-style-type: none"> • Curriculum team • Tech support 	<ul style="list-style-type: none"> • None 	<ul style="list-style-type: none"> • Title IIA • Operational 	<ul style="list-style-type: none"> • VCAT 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of revised assessments
2	Conduct an annual assessment of student work to measure the use and impact of technology in teaching and learning	<ul style="list-style-type: none"> • Professional learning communities • Teachers • Technology Integration Specialists 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Title IIA • Local • Operational 	<ul style="list-style-type: none"> • FWSU Tech Institute • VCAT training 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Annual school reports
3	Incorporate student technology exemplars in lesson plan templates	<ul style="list-style-type: none"> • Professional learning communities • Integrations specialists • teachers 	<ul style="list-style-type: none"> • None 	<ul style="list-style-type: none"> • Operational 	<ul style="list-style-type: none"> • FWSU Tech Institute • Mini courses 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of completed templates

Indicators of Success for this Goal: Assessing effective use of technology is built into the evaluation of core subjects. A matrix of technical and 21st Century Thinking skills is defined and applied in the classrooms.

Local Goal: Our SU will: Increase use of electronic copies and communication and the use of technology in the classroom to reduce costs

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
1	Create assessments using web based tools or classroom response systems.	<ul style="list-style-type: none"> • Tech Committee • Teachers 	<ul style="list-style-type: none"> • Classroom response systems 	<ul style="list-style-type: none"> • Local • Title IIA • Operational 	<ul style="list-style-type: none"> • FWSU Tech Institute • Mini courses 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of assessments • Evaluation of system by identified teacher • Outside studies of best practices
2	Expand electronic parent newsletter	<ul style="list-style-type: none"> • School secretaries • Tech support 	<ul style="list-style-type: none"> • None 	<ul style="list-style-type: none"> • Local • \$300 annually 	<ul style="list-style-type: none"> • Mini courses • Individual support 	<ul style="list-style-type: none"> • Y1 	<ul style="list-style-type: none"> • Number of community members subscribed • Open rate • Click through
3	Increase availability of student email for teacher/student communication.	<ul style="list-style-type: none"> • Tech Director • Technicians 	<ul style="list-style-type: none"> • Bandwidth • Servers 	<ul style="list-style-type: none"> • E-rate • Local • ARRA • Y1: \$20,000 • Y2: \$3,000 • Y3: \$3,000 	<ul style="list-style-type: none"> • FWSU Tech Institute • Mini courses 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Conversion complete • Student emails created • Email volume • General feedback
4	Increase use of VCAT and student management systems for assessment management and grading	<ul style="list-style-type: none"> • Curriculum committee • Technology Director • Teachers 	<ul style="list-style-type: none"> • Teacher computers 	<ul style="list-style-type: none"> • Local • Title IIA • Operational 	<ul style="list-style-type: none"> • FWSU Tech Institute • VCAT training • Mini courses 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Number of assessments created or revised
5	Implement a centralized learning management system for all schools in the SU to share (i.e. Moodle)	<ul style="list-style-type: none"> • Network Admin • Tech Committee • Tech Integration Specialist 	<ul style="list-style-type: none"> • Web Server 	<ul style="list-style-type: none"> • Title IID • Y2: \$4,000 	<ul style="list-style-type: none"> • FWSU Tech Institute 	<ul style="list-style-type: none"> • Y2 	<ul style="list-style-type: none"> • Number of courses offered
6	Increase use of electronic collaboration systems	<ul style="list-style-type: none"> • Administrators • Teachers • Techs • School Boards 	<ul style="list-style-type: none"> • Internet Access 	<ul style="list-style-type: none"> • Local • \$2,000 annually 	<ul style="list-style-type: none"> • FWSU Tech Institute • Mini courses 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> •

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
7	Explore centralized professional development management system	<ul style="list-style-type: none"> • Administrators • Tech Director • Curriculum Director • HR 	•	<ul style="list-style-type: none"> • FWSU • Operational 	•	• Y1, Y2	• Analysis and report

Indicators of Success for this Goal: Reduced paper and copier expenses. Increased access to data throughout the Supervisory Union. Broadened course offering through the use of remote learning opportunities.

Local Goal: Our SU will: Centralize functionality to provide increased efficiency and increased economies of scale

Action Step	Description	Staffing	Infrastructure	Funding/Budget	PD	Y1/Y2/Y3	Data Collection
1	SU Email system	<ul style="list-style-type: none"> • Tech Director • Technicians 	<ul style="list-style-type: none"> • Bandwidth and servers 	<ul style="list-style-type: none"> • ARRA • E-rate • Local • Y1: \$18,000 • Y2: \$5,000 • Y3: \$1000 	<ul style="list-style-type: none"> • FWSU Tech Institute • Mini courses 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Conversion complete • Student emails created • Email volume • General feedback
2	Centralized Student Management System, consolidating all 3 districts in the SU	<ul style="list-style-type: none"> • Tech Director • Technicians • Guidance • Tech Committee 	<ul style="list-style-type: none"> • SMS • Server 	<ul style="list-style-type: none"> • FWSU • Local • ARRA • Y1: \$50,000 • Y2: \$20,000 • Y3: \$5,000 	<ul style="list-style-type: none"> • Mini courses • Focused training 	<ul style="list-style-type: none"> • Y1, Y2, Y3 	<ul style="list-style-type: none"> • Conversion complete
3	Centralize technology staffing at the SU level.	<ul style="list-style-type: none"> • Tech Director • Technicians 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • FWSU • Local • Operational 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Y1 	<ul style="list-style-type: none"> • Completion

Indicators of Success for this Goal: Costs of operating are reduced or anticipated increases in costs are minimized