

Learning with 21st Century Tools

The 2009-2012 Vermont Educational Technology Plan

For...

Windham Central Supervisory Union #46
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Introduction

This plan was prepared and respectfully submitted by Matthew Martyn, Systems Administrator for Windham Central Supervisory Union with consultation and guidance from the following:

The WCSU Technology Committee:

- Suzanne Paugh, Librarian, Technology Integration/Coordination, Newfane Elementary School
- Molly Wilson, Special Education, Technology Integration, Newfane Elementary School
- Roberta Stradling, Principal, Windham Elementary School
- Pam Burke, Librarian, Technology Integration/Coordination, Marlboro Elementary School
- Barbara Bedortha, 2nd grade teacher, Townshend Elementary School
- Rick Hege, Technology Integration/Coordination, Townshend Elementary School
- Cynthia Nau, Librarian, Windham, Townshend, and Brookline Elementary Schools
- Judy Hawkins, Administrative Assistant, Brookline Elementary School
- Laura Hazard, Principal, Jamaica Village School
- Greg Montgomery, Technology Support, Dover and Wardsboro Elementary Schools
- Farren Bratton, Technology Coordinator, Leland and Gray Union Middle and High School
- Ali Maynard, Middle School Science teacher, Leland and Gray Union Middle and High School
- Abby Dillon, Special Education Coordinator, Windham Central Supervisory Union
- Matt Martyn, Systems Administrator, Windham Central Supervisory Union
- David Dezendorf, IT professional, Windham Central Supervisory Union Board of Directors
- Susan Misnick, IT professional, Windham Central Supervisory Union Board of Directors

WCSU Administrators:

All members of the WCSU Administrative team, including all principals and all Central Office Administrators have had the opportunity for input on this plan through their contributions on a “BLOG” hosted by WCSU and dedicated to technology planning, specifically professional development needs.

Summary

Put simply, this plan focuses on employee education to improve student learning. It is vitally important that all WCSU employees obtain the skills necessary to help their students compete in the global market. The guidelines for creating this plan requested that Supervisory Unions file more broad plans than individual schools. That said, the guidelines also recommend that schools file as “Supervisory Unions” rather than individual schools, unless a particular school had specific needs unaddressed by the SU plan.

The WCSU Technology Committee is committed to creating K-Administrator basic competencies, that will be required of “new hires” as well as present employees and of all students, by the end of the first year of this plan.

Below are the Department of Education’s “5 Goals” and the local objective for each. The “local objective” is created by the local planning team.

The 5 “Goals” are:

1. Student-Centered Learning
Local Objective: Schools in the Windham Central Supervisory Union will engage “21st Century” tools and techniques to leverage learning for students and employees.
2. Leadership in a Student-centered learning environment
Local Objective: The Windham Central Supervisory Union will encourage and support all employees to grow their own understanding and use of “21st Century” tools and techniques.
3. Flexible Learning Environments
Local Objective: Schools in the Windham Central Supervisory Union will promote and support a variety of learning environments beyond the traditional classroom setting.
4. Engaged community partners
Local Objective: Seek real-world academic projects in and around our communities as part of the existing curriculum and use appropriate technology as a tool to enhance these projects.
5. Effective Local Technology Plan Evaluation

Staffing and Budget implications:

Please note the two columns *Staffing* and *Budget*: Current Supervisory Union and building based staff would provide instructional services. Stipends from the Consolidated Federal Grant will be paid to building based, school year staff for work outside of their contractual obligations.

Local Plan Evaluation:

The Local Plan will be evaluated based on the templates and guidelines in the Vermont Department of Education Technology Plan (p22-27).

Goal 1: Student-Centered Learning

Local Objective: Schools in the Windham Central Supervisory Union will engage “21st Century” tools and techniques to leverage learning for students and employees.

Action Step	Description	Staffing	Infrastructure	Budget	PD	Y1/Y2/Y3	Data Collection
	Develop SU-wide education plan for employees on what 21 st century tools and techniques are and how to use them to enhance curriculum, unit, lesson, project, assignment, etc.	<ul style="list-style-type: none"> • School based staff • Educational Technology Specialist • WCSU Technology Committee • PD Team 	none	<ul style="list-style-type: none"> ▪ instructors ▪ equipment ▪ PD tracking software 	<ul style="list-style-type: none"> • Local PD courses • Attend VTFest • UVM Online Tech integration course 	Complete education plan for all employees by the end of year three.	<ul style="list-style-type: none"> • Develop/purchase PD tracking software • Survey staff, students, parents • Regular evaluation by PD Team and Technology Committee

Indicators of Success for this Goal: All students and teachers seamlessly utilize technology effectively to support learning across the curriculum by consistently integrating a variety of technologies and technology-infused techniques into classroom curriculum. Classroom activities exhibit compelling evidence of technological tools and instructional methods that utilize technology. All teachers and students master real-world applications of technology and 21st century skills by selecting and appropriately using technological tools. Teachers, administrators, and staff utilize technology effectively and inventively throughout their day, to improve productivity across the system in communication, daily tasks, assessments, data analysis, and other routine duties.

Goal 2: Leadership in a Student-Centered Learning Environment

Local Objective: The Windham Central Supervisory Union will encourage and support all employees to grow their own understanding and use of “21st Century” tools and techniques.

Action Step	Description	Staffing	Infrastructure	Budget	PD	Y1/Y2/Y3	Data Collection
1	The WCSU will provide and/or encourage professional development opportunities for all employees.	<ul style="list-style-type: none"> ▪ Select employees of WCSU will serve as instructors for PD activities. ▪ WCSU may also contract with instructors from outside WCSU. 	none	instructors	Training for instructors		<ul style="list-style-type: none"> ▪ PD tracking software ▪ Surveys ▪ Regular monitoring by PD Team and Technology Committee
2	Central Office staff will model the use and continued learning of 21 st century tools for communication and productivity.	All WCSU Central Office employees	None	equipment	<ul style="list-style-type: none"> • Local PD courses • Attend VTFest • Online Tech integration courses 		<ul style="list-style-type: none"> ▪ Staff survey ▪ Regular self-monitoring

Indicators of Success for this Goal: All students and employees will achieve technology basic competencies as described by the WCSU Technology Committee by the end of year three. SU leaders will demonstrate their leadership skills by achieving these competencies by the end of the first year of the plan. The use of data as a decision-making tool will be integrated into all aspects of school management. The model for PD will echo that of classroom instruction; differentiated, student driven, and data driven.

Goal 3: Flexible Learning Environments

Local Objective: Schools in the Windham Central Supervisory Union will promote and support a variety of learning environments beyond the traditional classroom setting.

Action Step	Description	Staffing	Infrastructure	Budget	PD	Y1/Y2/Y3	Data Collection
1	WCSU schools will seek out alternatives to the traditional classroom setting and exploit the benefits of such opportunities.	<ul style="list-style-type: none"> • School based staff • Educational Technology Specialist • Leland and Gray's Cooperative Career and Technical Education Coordinator • WCSU Technology Committee <ul style="list-style-type: none"> ▪ PD Team 	None	transportation	<ul style="list-style-type: none"> • Local PD courses • Attend VTfest • UVM Online Tech integration course 	Y1 – evaluation Y2-3 implementation	<ul style="list-style-type: none"> ▪ WCSU supervision and evaluation plan; included in Administrative evaluation of staff members' professional conduct. ▪ Student/parent/community survey. ▪ Action Planning: engaging community partners.
etc.							

Indicators of Success for this Goal: WCSU schools will regularly engage in learning opportunities outside the school walls. WCSU schools will develop and maintain relationships with educational partners in and out of the local community. WCSU schools will regularly use a variety of media through which to conduct learning activities with outside partners. Access to appropriate technology to conduct, facilitate and enhance this outreach will be easy and convenient.

Goal 4: Engaged community partners

Local Objective: WCSU member schools will seek real-world academic projects in and around our communities as part of the existing curriculum and use appropriate technology as a tool to enhance these projects.

Action Step	Description	Staffing	Infrastructure	Budget	PD	Y1/Y2/Y3	Data Collection
1	Use of 21 st Century skills to enhance collaborative relationships with local businesses and individuals with the intent to broaden the scope of educational opportunities in our schools.	<ul style="list-style-type: none"> • School based staff • Educational Technology Specialist • Leland and Gray's Cooperative Career and Technical Education Coordinator 	none	equipment	The SU will provide opportunities for employees to learn about how to operate a successful outreach program.		<ul style="list-style-type: none"> ▪ Success of partner organizations. ▪ Annual review of student progress ▪ Annual review of the impact this program is having on the community.
etc.							

Indicators of Success for this Goal: Students and teachers will engage in regular partnerships with local businesses and individuals. These partnerships will include relevant projects taught using 21st century skills. Enrollment in these types of programs will increase. Businesses will request participate in these programs.

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:

Technology Contact Person: _____ Phone: _____

Title: _____ E-mail address: _____

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. We recommend involvement by a breadth of stakeholders — including school administrator, community member, teacher, student, paraprofessional, and other interested parties.

Certifications: Select one

This Educational Technology Plan was approved by our School Board on: _____

This Educational Technology Plan will be approved by our School Board on: _____

Children’s Internet Protection Act (CIPA) certification: One box (below) must be checked for the school to qualify for funds under this program.

- The school certified CIPA compliance in its last E-Rate application
- The school did not certify compliance with CIPA in its last E-rate application, but does certify, as part of this technology plan, that it meets CIPA requirements
- The CIPA requirements do not apply because no funds made available under this program are being used to purchase computers to access the Internet, or to pay for direct costs associated with accessing the Internet.

Signature: _____

(Superintendent/CEO)

Date: _____