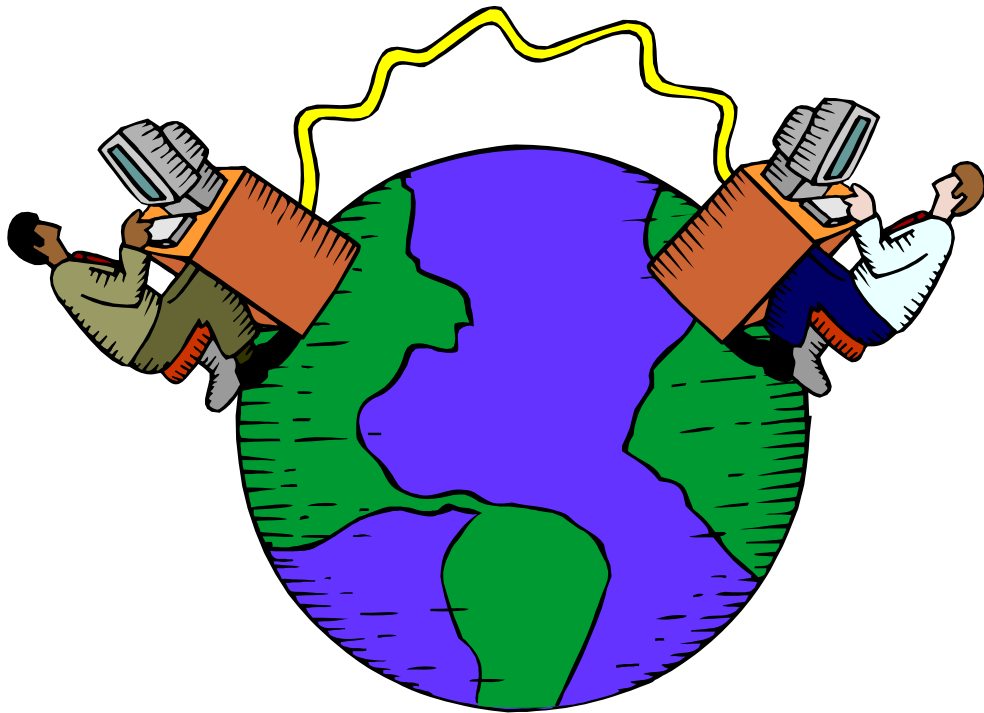


FRANKLIN CENTRAL SUPERVISORY UNION

TECHNOLOGY PLAN

2007-2009



I. Executive Summary

FCSU Vision Statement

FCSU supports technology in the service of student learning for success in the 21st century.

Franklin Central Supervisory Union will empower its students and staff with the technological skills, experiences and confidence needed to sift through vast amounts of information, extract what is relevant and important and then use that information to manipulate, mold, problem solve and create products that will continually allow them to succeed in an evolving technologically advanced society. With predicted information doubling rates ranging from twelve months to two years(1), these technological skills will provide access to worldwide information resources. Students will be able to expand their knowledge base, improve their critical thinking, problem solving and decision making skills, and access, analyze, evaluate and communicate information to work ethically, independently and collaboratively by utilizing technological tools. These tools will provide an environment for learning in the twenty-first century, which will allow our students to compete with other students from across the state, nation and world. This environment for learning will help them become life-long learners allowing them to excel in their post-secondary education and/or future occupation.

(1) Lavery, Cory. *Information Literacy*. [Online] Available <http://library.queensu.ca/inforef/tutorials/rbl/infolit.htm#1>, Oct. 10, 2001

Over the past two years, our K-8 schools have made varying amounts of progress. Two of the schools, with stable leadership and community and administrative support, have made strong progress in the areas of hardware, software, staffing and technology integration. Our third school has had inconsistent support and resulting progress.

St. Albans City School hired a Technology Integration Specialist who acted as a driver for much of the progress. She was able to get many more staff comfortable with using technology and taking risks. She was also able to work with the administration to develop a more productive tech support team and contribute meaningfully to the supervisory union technology committee goals. City School was able to add to their peripherals, offer embedded and graduate credit professional development, collect electronic student data, and develop a student leadership program that included a summer component.

St. Albans Town Educational Center transitioned to a new network administrator who has played a major role in bringing the infrastructure up to standard as well as reducing e-rate prep, hardware and software costs through effective negotiations. SATEC continues to add to its peripherals and maintain its 5:1 ratio and software inventory to support student learning. Competent computer lab staff has assisted with technology integration. Strong administrative support continues to keep the technology agenda moving forward.

Fairfield Center School lost their main technology staff member to retirement and she was replaced by a part time tech (library computer lab) and part time clerical position. The communication link between Fairfield and the SU Technology Committee was broken, and two changes in leadership resulted in little follow through with SU initiatives. Recently the school librarian and interim principal have picked up some of the pieces and are attempting to get back on track.

The supervisory union funds a part time Technology Coordinator who facilitates the SU Technology Committee and works with SU tech staff to maintain progress on technology goals. A weeklong summer Technology Integration course is offered K-12 and funded with TIID funds. In addition, other technology integration resources are developed by FCSU staff during the summer. Student performance on selected Technology Grade Expectations (GE) will be reported on report cards for the first time in 07-08. We are in the middle of performing a technology audit within the district. The audit will address staffing, policy, infrastructure, technology integration, etc... and will make recommendations for the SU and each school. A wide area network (WAN) and new accounting and human resource software are being implemented in the

SU. The WAN includes BFA/NWT/NWT, SATEC, and the FCSU central office. City School is coming on-line this summer. Fairfield will come on-line when they can afford to. A new ISP contract has been negotiated that will guarantee sufficient broadband for increasing broadband demands.

This is the first year that BFA/NWT/NWT has been a part of FCSU. BFA/NWT/NWT has had their own technology coordinator and tech staff, and has been totally independent in their operations. Both teams have worked together this year during the transition, and have developed the WAN. The technology plans of both teams will be joined in this document for the first time. The BFA/NWT/NWT consultant is now used K-12 and for the central office. The BFA/NWT/NWT team and consultant have assisted with the business software implementation throughout the district.

This Technology Plan marks the first FCSU K-12 Technology Plan. We are working to provide a coordinated technology education experience for our students, and to increase the opportunity for all FCSU schools to advance the technology agenda more efficiently. The Technology Plan for 2007-2009 includes 21 goals and 48 Action Steps.

Our most pressing challenge regarding this technology plan is community and budget support of technology. Both City School and Fairfield budgets are going back to the voters for approval. City's budget was turned down twice. Local issues that are impacting these trends need to be addressed, such as voter trust, understanding and ability to support schools. Larger issues are state and federal policies and legislation that affect the budgets of high poverty, rural and small schools, and dwindling state and federal funding for technology.

Closely following funding is leadership and infrastructure for technology. Our challenges include effectively combining the current K-12 leadership, strengthening the leadership in schools without it, and increasing centralized leadership capacity in technology. Having a centralized technology position could cut down on some of the consultant costs we are currently paying, and also assist with small school leadership, support for the central office, embedded professional development for administrators and SU oversight.

Implementing the use of technology as a tool is a very complex initiative. Many steps must be accomplished before this can be accomplished effectively. There must be a vision for how technology supports learning, and for the path to be followed to get there. Technology must be supported by the administration of the school. It must be supported by the community and purchased efficiently and wisely. A sound replacement plan must be in place. Sufficient tech support and integration staff must be in place. Staff must be effectively trained in its use, and feel confident enough to take risks and include it in their teaching. Teachers must teach students to use technology as a tool in their learning, as it will be the tool they will use in their jobs of the future, most of which do not exist today.

Our goals for the new plan focus on using technology in the service of learning, and also include everything else that must be in place in order for this to happen. Our largest goal section is Curriculum Integration, which includes Student technology literacy, Vermont Technology Grade Expectations, 21st Century Skills and Information, Communication, and Technology, Media literacy, Effective teaching practices and e-Learning, and Professional Development and Integration Support. Goals include software, professional development, student leadership technology integration and assessment. These goals are supported by goals in overarching elements such as Access and infrastructure, Technical support, Leadership, Policy, and System, administrative, and community support. These goals include hardware and peripherals, access to technology, mobile and assistive technology, infrastructure, electronic communication, standardization of processes, technology implications for school budgets, leadership roles, policy implications and understanding of the role of technology in learning.

BFA Executive Summary

Bellows Free Academy and the Northwest Technical Center (BFNNWTC) embarked upon writing a new technology plan by reviewing its last plan. A number of goals and action steps from that plan have met with success; some are in progress, and others have not been achieved. While we believe that we have made a great deal of progress, challenges remain as we progress toward our vision. We intend to provide a technology-rich learning environment that encourages and supports our curriculum, our teachers, and our students as we strive toward fully integrating technology in a deep, relevant, and meaningful way.

With support from our Administration and Board of Directors, we have received the funds needed to support and improve our infrastructure and to increase IT staffing levels. We have greatly expanded the dissemination of peripheral devices such as LCD projectors and SmartBoards to many classrooms, resulting in a significant impact on teaching and learning. In addition, by including a technology goal in the school's action plan for two years, the Administration and the Board have demonstrated that they are committed to technology, not only financially, but also philosophically. The Administration and the Board believe the use of technology is a key component to furthering the educational goals of this institution in preparing students to meet the challenges of a technologically-driven, global economy in the 21st Century.

Because staffing levels in Information Technology have risen and because of Administrative mandates regarding electronic communication between teachers and parents, a member of the IT staff has been designated to facilitate professional development targeted to that area this year. In the future, we will expand this effort to provide teachers with individualized support as technology is increasingly integrated into the curriculum. After a survey to determine areas of greatest need, after-school professional development offerings for re-certification credit will be reviewed and revised as needed. While there are still staff members who need to acquire basic technology skills, many have moved beyond. Individual teachers will be provided with support to ensure that they have the skills they need and to provide ideas and solutions that will fit their curriculum as they work to achieve full integration.

We need to review our technology competencies for staff and students to ensure that they are aligned with the Vermont's GCE's and other nationally recognized standards. Work will begin this summer on a comprehensive effort to map curriculum. While it is anticipated that this will take two to three years to complete, it should provide a valuable tool to drive the curriculum adjustment that may be required to ensure that all students have had the opportunity to incorporate technology skills into the fabric of their educational experience. BFA/NWTC needs a system to track student progress on Standards and Grade Expectations in all disciplines.

With the introduction of student e-mail accounts on an Intranet, the communication between students and staff has improved. Students e-mail assignments to teachers, and teachers communicate with students who are absent and in need of clarification on assignments. A pilot test of a web-based portal that allows teachers to post grades, assignments, etc., with separate accounts for parents and students, will be expanded to all faculty. We anticipate that this initiative will provoke improved communication among all parties.

Acronyms

The school acronyms are listed here. Find additional acronyms listed in the Glossary

BFA	Bellows Free Academy	NWT	Northwest Technical Center
FCS	Fairfield Center School	SATEC	St. Albans Town Educational Center
SAC	St. Albans City School		

Contents

Review of the current Technology Plan (2005-2007)	pages 4-13
Goals for the new Technology Plan (2007-2009)	pages 14-19
Budgets	pages 20-22

II. Review of Previous Plan

FCSU Technology Plan- 2005-2007

1. Strategies for improving academic achievement and teacher effectiveness: Action steps that the school will take to improve academic achievement, including technology literacy, and improve the capacity of all teachers to effectively integrate technology into the curriculum and instruction.

Action Step: Use Profiler or similar technology self-assessment tool to obtain baseline information about 8th grade student and all staff technology skills and to monitor continued growth.

Responsible Parties: Principals, Tech Coordinator

Timeline: 05-07

SATEC FCS SAC	<p>Successful Goal:</p> <ul style="list-style-type: none"> Completed Staff Profiler assessment in Fall of 05-06; results not valid due to low participation rates Staff assessed themselves in relation to Tech GE knowledge and implementation. Students assessed on 8th grade GEs via FCSU online survey developed by SU Tech Committee <p>Unsuccessful Goal:</p> <ul style="list-style-type: none"> Profiler survey software we were using was discontinued and we haven't found a suitable replacement yet
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Action Step: Align grade level technology expectations with VT Technology Grade Expectations

Responsible Parties: Tech Coordinator

Timeline: 05-07

SATEC	<p>Successful Goal:</p> <ul style="list-style-type: none"> Adopt VT Tech GEs to replace FCSU GL tech expectations Gap analysis and recommendations for instruction were completed Tech GEs assigned to grade levels for reporting student progress required for 07-08 <p>Unsuccessful Goal:</p> <ul style="list-style-type: none"> <i>We need more time for technology professional development; many competing needs in other areas</i>
FCS	<p>Successful Goal:</p> <ul style="list-style-type: none"> Adopt VT Tech GEs to replace FCSU GL tech expectations Tech GEs assigned to grade levels for reporting student progress required for 07-08 <p>Unsuccessful Goal:</p> <ul style="list-style-type: none"> <i>Not implemented yet</i>
SAC	<p>Successful Goal:</p> <ul style="list-style-type: none"> Adopt VT Tech GEs to replace FCSU GL tech expectations Gap analysis and recommendations for instruction are in progress Math and technology staff map math program to the Tech GEs Tech GEs assigned to grade levels for reporting student progress required for 07-08 <p>Unsuccessful Goal:</p> <ul style="list-style-type: none"> <i>We need more time for technology professional development; many competing needs in other areas</i>

Action Step: Monitor staff who complete Technology Checklist for technology implementation, integration and continued professional development needs

Responsible Parties: FCSU Tech Committee, Principals, Tech Coordinator

Timeline: 05-07

SATEC	<p>Successful Goal:</p> <ul style="list-style-type: none"> We have a list of teachers who have completed the Tech Checklist We did a brief tech integration survey <p>Unsuccessful Goal:</p> <ul style="list-style-type: none"> <i>We would like to find a better tool to survey tech integration</i>
FCS	<p>Successful Goal:</p> <ul style="list-style-type: none"> Some staff have completed Checklist <p>Unsuccessful Goal:</p> <ul style="list-style-type: none"> Not sure where the list is

SAC	<p>Successful Goal:</p> <ul style="list-style-type: none"> • We did an intensive online tech integration/usage survey that identified professional development needs • We have a list of teachers who have completed the Tech Checklist • Tech Integration Specialist position added <p>Unsuccessful Goal:</p> <ul style="list-style-type: none"> • We would like to find a better tool to survey tech integration
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Action Step: All teachers will have an annual personal technology goal in the school year.

Responsible Parties: Principals **Timeline:** 05-07

SATEC FCS SAC	Successful Goal: All teachers have a technology goal included in their annual Professional Development Plan
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2. Steps to increase accessibility: Describe the steps the school will take to ensure increased access to technology. How will the school will use federal funds to help students in high poverty, or schools that are identified for corrective action under Title I, prepare teachers to integrate technology effectively into curricula and instruction.

Action Step: Use CFG funds to support SU-wide Technology Integration summer course.

Responsible Parties: Tech Coordinator **Timeline:** 05-07

SATEC FCS SAC	Successful Goal: FCSU uses CFG funds to hold summer technology course with 7 instructors and 35-50 teachers
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Action Step: Increase the number of peripheral devices to encourage access to technology, including scanners, SmartBoards, mimios, digital cameras, projectors, DVD players, CD RW drives, PDAs etc.

Responsible Parties: Tech Coordinator, Principals **Timeline:** 05-07

SATEC	<p>Successful Goals:</p> <ul style="list-style-type: none"> • 2 SmartBoards • 5 projectors • 15-20 digital cameras • 15 scanners • Most computers have CD RW drives • 40 computers with DVD RW drives
FCS	<p>Successful Goals:</p> <ul style="list-style-type: none"> • SmartBoard • Digital cameras • 3 projectors • 3 PDAs • 4 scanners • 7 new computers • DVD drives in lab computers (15) • CD RW drives in lab computers
SAC	<p>Successful Goals:</p> <ul style="list-style-type: none"> • Multiple projectors at every grade level, K-8 • 2 document cameras • 3 SmartBoards • 15-20 digital cameras • 6 scanners • 50 CD RW drives in computer labs and new ones • 1 DVD RW drive computer

Action Step: Increase bandwidth for Internet connection

Responsible Parties: Principals, Tech Coordinator, E-rate Coordinator **Timeline:** 05-07

SATEC	Successful Goal: <ul style="list-style-type: none"> Bandwidth increased from 512K to T1 equivalent lines in each school New contract for 25 mg signed with vendor for SU
FCS	Successful Goal: <ul style="list-style-type: none"> Bandwidth increased from 512K to T1 equivalent lines in each school
SAC	Successful Goal: <ul style="list-style-type: none"> Bandwidth increased from 512K to T1 equivalent lines in each school New contract for 25 mg signed with vendor for SU

Action Step: Continue to work towards 5:1 new generation student computers (less than or equal to 5 years old)

Responsible Parties: Principals **Timeline:** 05-07

SATEC	Successful Goal: <ul style="list-style-type: none"> 5:1 ratio reached and maintained
FCS	Unsuccessful Goal: <ul style="list-style-type: none"> 271:34 (8:1) 63% of this goal 15 of the 34 computers belong to the public library, which is located in the school
SAC	Successful Goal: <ul style="list-style-type: none"> Presently at 74% of this goal

3. Promotion of curricula and teaching strategies that integrate technology: Describe how the school will identify and promote curricula and teaching strategies that integrate technology effectively into curricula and instruction, based on a review of relevant research, and leading to improvements in student achievement.

Action Step: Continue work of the FCSU/Curriculum Committees to review software that is research based, aligned with the VT standards and supports the curriculum.

Responsible Parties: Principals, FCSU Tech Committee **Timeline:** 05-07

SATEC SAC	Successful Goal: <ul style="list-style-type: none"> FCSU Tech Committee meets regularly to discuss and take advantage of joint purchasing of research based software, such as Adobe CLP, Inspiration, etc... Purchase subject to building needs and capacities
FCS	Unsuccessful Goal: <ul style="list-style-type: none"> Not participated due to lack of representation and funding

Action Step: Implement technology performance assessments

Responsible Parties: Tech Coordinator, Principals, Teachers, building tech staff **Timeline:** 05-07

SATEC	Successful Goal: <ul style="list-style-type: none"> Performance Assessments shared as resource with K-8 Tech GE reporting recommendations developed by grade level
FCS	Unsuccessful Goal: <ul style="list-style-type: none"> Performance Assessments not shared with staff yet
SAC	Successful Goal: <ul style="list-style-type: none"> Performance Assessments shared as resource with K-4 Tech Integration Specialist working with staff to develop assessments Tech GE reporting recommendations developed by grade level

Action Step: Develop checklists and evidence for GL technology expectations

Responsible Parties: Tech Coordinator **Timeline:** 05-07

SATEC FCS SAC	Successful Goal: <ul style="list-style-type: none"> Included in the VT Tech GEs Staff completed Checklist and submitted evidence of skills
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4. Professional development: Describe how the school will provide high-quality, ongoing, sustained professional development for teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom or library media center.

Action Step: Use CFG funds to support SU-wide Technology Integration summer course.

Responsible Parties: Tech Coordinator **Timeline:** 05-07

SATEC FCS SAC	Successful Goal: FCSU uses CFG funds to hold summer technology course with 7 instructors and 35-50 teachers
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Action Step: Promote the position of Technology Integration Specialist.

Responsible Parties: Principals, Tech Coordinator **Timeline:** 05-07

SATEC	Successful Goal: <ul style="list-style-type: none"> Full time lab assistant integrating technology
FCS	Unsuccessful Goal: <ul style="list-style-type: none"> No staff to fill this role
SAC	Successful Goal: <ul style="list-style-type: none"> 1.0 FTE Tech Integration Specialist

Action Step: Design and implement needs based professional development.

Responsible Parties: Principals, Tech Coordinator **Timeline:** 05-07

SATEC	Successful Goal: <ul style="list-style-type: none"> 6th annual summer Technology Integration course Technology Reps in each house (team) Professional development during in-service, early release and after school Tech GE professional development
FCS	Successful Goal: <ul style="list-style-type: none"> 6th annual summer Technology Integration course Unsuccessful Goal: <ul style="list-style-type: none"> No professional development in technology
SAC	Successful Goal: <ul style="list-style-type: none"> 6th annual summer Technology Integration course Embedded professional development through Tech Integration Specialist 21st Century TIID/locally funded graduate course After school workshops Several Math & Technology in-service days Tech GE professional development Tech integration "roll up" plan, K-8

Action Step: Require teachers, administrators and library staff to have an annual technology goal.

Responsible Parties: Superintendent and building administrators **Timeline:** 05-07

SATEC FCS SAC	Successful Goal: <ul style="list-style-type: none"> All teachers & librarians have a technology goal included in their Professional Development Plan Unsuccessful Goal: <ul style="list-style-type: none"> Administrators do not have a technology goal
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Action Step: Require technology orientation session for all new teachers.

Responsible Parties: FCSU Tech Committee, Principals, building tech staff **Timeline:** 05-07

SATEC FCS SAC	Unsuccessful Goal: <ul style="list-style-type: none"> We were not able to do this due to time constraints, but would still like to do it.
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Action Step: Review Profiler data annually to monitor and ensure the levels of technology skills, technology integration, and the effectiveness of our professional development.

Responsible Parties: Principals, Tech Coordinator

Timeline: 05-07

SATEC SAC	Successful Goal:
	<ul style="list-style-type: none"> We have monitored Tech GE implementation, surveyed Tech Integration and monitored staff completing the Tech Checklist We have developed an online data collection tool to replace the Profiler based on the 8th grade GEs and now need to analysis tools to enable us to use the result effectively to report out in meaningful ways.
	Unsuccessful Goal:
	<ul style="list-style-type: none"> 05-06 Profiler results were invalid due to low participation rates

5. Technology type and cost: Describe the type and estimated costs of the *technologies* to be acquired (note: this should be a broad overview, not a listing of hardware).

Technology acquisition and estimated cost: We will be purchasing hardware, software, connectivity linkages and infrastructure, increased bandwidth, peripherals, advanced technologies and maintenance agreements at all three schools. Wherever possible we share joint purchasing to provide maximum cost effectiveness and ensure that leaders understand the total cost of technology. These items will allow us to further integrate technology with our curricula to help students achieve the standards. Each of our schools is in very different places regarding technology. Below are estimates of what each school should budget annually for technology acquisitions to support this plan.

ESTIMATES

Fairfield Center School	\$ 25,000
St. Albans City School	\$ 80,000
St. Albans Town Educational Center	\$ 80,000

ACTUAL

SATEC	Technology budgeted at \$75,000 in FY07
FCS	Technology budgeted at \$12,000 in FY07
SAC	Technology budgeted at \$50,000, supplemented by a \$25,000 TIID grant in FY07

6. Coordination with other resources: Describe how the school will coordinate activities funded through E²T² with activities supported with funds from other sources (funds from other federal Title programs, state and local sources, that support technology acquisition and integration must be coordinated under the technology plan).

Action Step: Administrators, in consultation with building and SU technology staff, will ensure that technology activities and acquisitions will be coordinated and compatible with the existing infrastructure and the FCSU Technology Plan.

Responsible Parties: Principals, building and SU tech staff

Timeline: 05-07

SATEC FCS SAC	Successful Goal:
	<ul style="list-style-type: none"> Adobe CLP coordinated with Burlington FCSU Tech Committee meets monthly to ensure this step WAN created for SU We will be purchasing hardware jointly in 06-07
FCS	Unsuccessful Goals
	<ul style="list-style-type: none"> Unsuccessful due to change in leadership and library position assignments

Action Step: The Curriculum Committee(s) will submit recommendations to FCSU Technology Committee for compatibility, operability and cost effectiveness.

Responsible Parties: Curriculum Committees, Curriculum Coordinator

Timeline: 05-07

SATEC FCS SAC	Unsuccessful Goal: <ul style="list-style-type: none"> • This has not happened yet because we weren't ready • We have been looking at ways to embed technology into the curriculum through performance assessments, GEs, instruction and web resources • The curriculum committees will begin working on this with technology staff to develop technology enriched lessons and identify software/web resources and practices and tools
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Action Step: FCSU and/or local Technology Committee(s) will continue to coordinate professional development and purchasing at the district/school level.

Responsible Parties: Tech Coordinator, Tech Committees, Principals **Timeline:** 05-07

SATEC SAC	Successful Goal: <ul style="list-style-type: none"> • Annual summer technology integration course • Student technology leadership development & activities • Graduate contract course in technology • We have been purchasing software jointly • We will be purchasing hardware jointly in 06-07
FCS	Unsuccessful Goal: <ul style="list-style-type: none"> • Due to the lack of funding, they have not had the opportunity to participate • The public library continues to subsidize computers and high speed access

7. Integration of technology with curricula and instruction: Describe how the school will integrate technology (including the use of software and electronically delivered materials) into curricula and instruction. After each action step, indicate the anticipated date for the initiation of that item.

Action Step: Select research based software and electronically delivered materials that align with the state standards and supports the curriculum.

Responsible Parties: Principals, Tech Coordinator, FCSU Tech Committee **Timeline:** 05-07

SATEC	Successful Goal: <ul style="list-style-type: none"> • Scott Foresman math software • Kidspiration • Inspiration • RiverDeep: Bailey's Book House, Sammy's Science House, Millie's Math House • Virtual Manipulatives (NCTM) • Rainforest Math • Neighborhood Map Machine • Cross Country Canada • Encarta • Type to Learn • Type to Learn Jr. • Reading A-Z • Reading Counts • Unitedstreaming • Premier Assistive Technology • Virtual Manipulatives (NCTM) • Compass Learning • Scholastic Keys
FCS	Successful Goal: <ul style="list-style-type: none"> • Investigations math software • Typing Tutor Unsuccessful Goal <ul style="list-style-type: none"> • Lack of funding for software • Age of computers prohibits use of many new programs
SAC	Successful Goal: <ul style="list-style-type: none"> • Investigations math software

	<ul style="list-style-type: none"> • Scott Foresman math software • Kidspiration • Inspiration • Virtual Manipulatives (NCTM) • Rainforest Math • Type to Learn • Unitedstreaming • Premier Assistive Technology
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Action Step: Curriculum Implementation Committee will coordinate with FCSU Technology Committee to review recommendations.

Responsible Parties: Tech Coordinator, Curriculum Coordinator **Timeline:** 05-07

SATEC FCS SAC	<p>Unsuccessful Goal:</p> <ul style="list-style-type: none"> • This has not happened yet because we weren't ready • We have been looking at ways to embed technology into the curriculum through performance assessments, GEs, instruction and web resources • The curriculum committees will begin working on this with technology staff to develop technology enriched lessons and identify software/web resources and practices and tools
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Action Step: Grade level teachers will receive training in selected software/materials.

Responsible Parties: Principals, Tech Coordinator, Building Tech Staff **Timeline:** 05-07

SATEC	<p>Successful Goal:</p> <ul style="list-style-type: none"> • Annual summer technology integration course • Atomic Learning tutorials • Computer lab assistant provides professional development • In-service & after school opportunities • Each team has a tech rep that acts as a tech resource • 2 Technology Teacher Leaders • Math coaches provide embedded professional development
FCS	<p>Successful Goal:</p> <ul style="list-style-type: none"> • Annual summer technology integration course <p><i>Unsuccessful Goal</i></p> <ul style="list-style-type: none"> • No local professional development • Lack of technology leadership • Lack of technology staffing to provide support
SAC	<p>Successful Goal:</p> <ul style="list-style-type: none"> • Annual summer technology integration course • Just in time professional development with classes and teachers • Math coaches provide embedded professional development using peripherals • 4th grade technology immersion professional development • In-service & after school opportunities

8. Innovative delivery strategies: Articulate the action steps that will show how the school will encourage the development and use of innovative strategies for the delivery of specialized or rigorous courses and curricula through the use of technology, including distance-learning technologies, particularly in areas that would not otherwise have access to such courses or curricula due to geographical distances or insufficient resources.

Action Step: Research and provide resources for the delivery of specialized curricula through technology.

Responsible Parties: Principals, Tech coordinator, Curriculum Coordinator **Timeline:** 05-07

SATEC	<p>Successful Goal:</p> <ul style="list-style-type: none"> • Compass Learning for individualized learning
FCS	<p>Unsuccessful Goal</p> <ul style="list-style-type: none"> • Funding not available

SAC	Successful Goal: <ul style="list-style-type: none"> • Midi Project
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Action Step: Provide adaptive technology as needed and available.

Responsible Parties: Principals, Tech Coordinator **Timeline:** 05-07

SATEC	Successful Goal: <ul style="list-style-type: none"> • Premier Assistive Technology Suite • Keyboarding (one handed typing) • FM systems
FCS	Successful Goal: <ul style="list-style-type: none"> • Alpha Smarts • FM systems • Audiotapes
SAC	Successful Goal: <ul style="list-style-type: none"> • Premier Assistive Technology Suite • Keyboarding (customtyping.org) • FM systems • Visual accessibility software • Boardmaker software

9. Parental involvement: Describe how the school will use technology effectively to promote parental involvement and increase communication with parents. Include the strategies that will be used to inform parents about the technologies and their proper use.

Action Step: Present technology information component at parent/community event(s)

Responsible Parties: Principals, FCSU Tech Committee, building tech staff **Timeline:** 05-07

SATEC	Successful Goal: <ul style="list-style-type: none"> • Teacher web pages for newsletters/ parent communication • School website • SU website • Parents signed acceptable use policy annually • I-Safe parent night • Student PowerPoint presentations
FCS	Successful Goal: <ul style="list-style-type: none"> • Teacher web pages for newsletters/ parent communication • School website • SU website • Parents signed acceptable use policy annually • Student PowerPoint presentations
SAC	Successful Goal: <ul style="list-style-type: none"> • Tech Savvy Parents 8 week session • Use of blogs/podcasting for newsletters/ parent communication • School website • SU website • Parents signed acceptable use policy annually • I-Safe parent night • Students present global warming projects using wikis and social bookmarking tools • Students presented at VT Fest • Students present at Women Can Do conference

Action Step: Use Web site to communicate information to community.

Responsible Parties: Principals **Timeline:** 05-07

SATEC FCS SAC	Successful Goal: <ul style="list-style-type: none"> Use school/SU web sites to communicate information to community
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10. Collaboration with adult literacy service providers: Describe how the school will develop programs, where applicable, in collaboration with adult literacy service providers. If this item is currently “not applicable” please provide an explanation, then suggest ways that the school could collaborate with Adult Literacy providers in the future.

Action Step: Coordinate or promote adult basic education opportunities through community providers:

- a. NW Technical Center
- b. Open Doors 21st Century Grant Program
- c. Adult Basic Education

Responsible Parties: FCSU Tech Committee, Principals **Timeline:** 05-07

SATEC	Successful Goal: <ul style="list-style-type: none"> Promoted NW Tech literacy offerings Open lab community night Atomic Learning parent access to tutorials
FCS	Successful Goal: <ul style="list-style-type: none"> Parents have access to computer lab in public library 2 nights a week
SAC	Successful Goal: <ul style="list-style-type: none"> Tech Savvy Parent series

11. Accountability measures: Describe the accountability measures that the applicant will use to evaluate the extent to which activities funded under this program are effective in integrating technology into curricula and instruction. Specifically address increasing the ability of teachers to teach (with technology), enabling students to reach challenging State academic standards.

Action Step: Annual Profiler data (teacher and 8th grade students self-assessment) will assess continued technology growth and technology integration levels.

Responsible Parties: Principals, Tech Coordinator, building tech staff, Teachers **Timeline:** 05-07

SATEC	Assessed in other ways; see previous answers
FCS	Assessed via Tech Checklists
SAC	Assessed in other ways; see previous answers

Action Step: Set and follow up on annual teacher technology goals.

Responsible Parties: Principals, Teachers **Timeline:** 05-07

SATEC FCS SAC	Successful Goal: <ul style="list-style-type: none"> This component is embedded into our supervision & evaluation system
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Action Step: Research technology integration assessments.

Responsible Parties: FCSU Tech Committee, Tech Coordinator **Timeline:** 05-07

SATEC	Successful Goal: <ul style="list-style-type: none"> Currently deploying VT Technology Performance Assessments Technology enriched lessons containing assessments developed during summer course
FCS	Successful Goal: <ul style="list-style-type: none"> Technology enriched lessons containing assessments developed during summer course
SAC	Successful Goal: <ul style="list-style-type: none"> Currently deploying VT Technology Performance Assessments Technology enriched lessons containing assessments developed during summer course Grade level teams developing assessment task tied to their GEs

12. Supporting resources: Describe the supporting resources, such as services, software, other electronically delivered learning materials, and print resources, that will be acquired to ensure successful and effective uses of technology.

Action Step: Provide continuing support for hardware, software, services, personnel and professional development included in this plan.

Responsible Parties: Principals, Tech Coordinator

Timeline: 05-07

SATEC	<p>Successful Goal:</p> <ul style="list-style-type: none"> • Increased Network Administrator from .5 to 1.0 • Administrative support • Budgetary support of board and community • .5 data support position added • Technology tools given to PE department • Atomic Learning • Unitedstreaming • Technology periodicals
FCS	<p><i>Unsuccessful Goal</i></p> <ul style="list-style-type: none"> • <i>Funding not available due to cuts in technology budget</i>
SAC	<p>Successful Goal:</p> <ul style="list-style-type: none"> • Tech Integration Specialist position added • Technology tools given to math coaches • Administrative support • Budgetary support of board and community • .5 data support position added • Unitedstreaming

Review of 2005-2007 BFA Technology Plan

Review of BFA/NWTC 04-07 Technology Plan			
	GOALS	STATUS	RATIONALE FOR DETERMINATION
1	Bellows Free Academy and the Northwest Technical Center will provide an infrastructure that will support the development and use of a technology rich environment.	Achieved	<ul style="list-style-type: none"> -Computers and Mini-Labs, SmartBoards, Projectors, increased Bandwidth, Servers, Services, and Users have been added to the network. -The Board of Directors has provided adequate financial support. -Use of technology for learning is part of the school's action plan. -To foster a stronger educational community in the Supervisory Union, BFA has taken the lead in the development and deployment of a wireless WAN.
2	Bellows Free Academy and the Northwest Technical Center will provide professional development opportunities and instructional support for its staff in the acquisition of technology skills and its effective use in the delivery of instruction.	Achieved	<ul style="list-style-type: none"> -Though this Goal is achieved, it requires continued evaluation based on the evolution of technology and the needs of the staff. -A full program of Professional Development opportunities is offered after school. -We are also working with individuals during the school day during their prep time. -Administrative requirements for teachers to use particular software have advanced this goal.
3	Bellows Free Academy and the Northwest Technical Center will make technological improvements that will result in increased communication between the school, its students, parents, and the community.	Achieved	<ul style="list-style-type: none"> -All students have e-mail accounts. -Administrative mandate for improved communication with parents via e-mail regarding student progress. -We are piloting a web-based portal for students and parent to access grades, assignments, attendance, and messages from teachers. -More teachers are developing web pages. -Improvements to the school's web pages provide additional information for students, parent, and the community.
4	Bellows Free Academy and the Northwest Technical Center will review and assess the technology expectations for administrators, faculty, and students as it moves toward its goal of full integration of technology into the curriculum.	Not Achieved	<ul style="list-style-type: none"> -Because we have, during the duration of our last plan, become a public school, teachers have focused on the standards for their curriculum area to meet State/Federal deadlines.
5	Bellows Free Academy and the Northwest Technical Center will adopt policies and plans necessary to protect, insofar as is practicable, the school, its faculty, and its students, and the BFA/NWTC network.	Not Achieved	<ul style="list-style-type: none"> Time constraints have kept us from this task.

	ACTION STEPS	STATUS	RATIONALE FOR DETERMINATION
1	<ul style="list-style-type: none"> ~The current student and staff competencies will be realigned to the Vermont State Grade Expectations. ~Technology competencies for administrators will also be developed to align with the state expectations. ~Complete school-wide curriculum mapping to determine current technology integration at all grade levels. 	Not Achieved	<ul style="list-style-type: none"> ~Time is the major factor in our inability to complete this step. ~Work will begin this summer on alignment of all standards across the curriculum. The Technology Grade Expectations will be included in all curriculum areas.
2	<ul style="list-style-type: none"> ~Bellows Free Academy/Northwest Technical Center does not currently receive federal Title I funding. ~Acquire an appropriate space and provide funding for the existing Vermont Interactive Learning Network (VILN) hardware and promote its use. ~Provide individual students with network access with personal logins and network hard disk space. ~Provide individual students with e-mail accounts hosted by the school. 	Achieved	<ul style="list-style-type: none"> ~This school does not receive Title I funding. ~VILN is defunct; LNV (Learning Network of Vermont) is taking its place. We have completed equipment reconfiguration for LNV. Once other schools are ready, we will again promote its use. ~All students have personal logins and network disk space for storage. ~All students have e-mail accounts on an intranet.
3	<ul style="list-style-type: none"> ~Hire full-time, licensed integration specialist(s) to assist staff in the identification of best practice in the integration of technology into content areas. ~Develop a network of peer-to-peer support for the integration of technology into the curriculum. 	Significant Progress Made	<ul style="list-style-type: none"> ~Technology integration has been specifically assigned to an IT staff member. The position has not been classified as requiring a license at this time. ~While not formalized, a peer-to-peer support system is developing within most departments.
4	<ul style="list-style-type: none"> ~Mandate the use of scheduled professional development period to improve staff technology skills and to write units of instruction that integrate technology into the curriculum. ~Continue to develop and expand the current in-house professional development opportunities, potentially offering graduate level course open to all faculty ~Improve communication with staff surrounding technology issues. 	Progress Made	<ul style="list-style-type: none"> ~Because of administrative mandates in the areas of attendance and e-mail communication with parents regarding student progress, staff members have been 'forced' to improve technology skills. ~An increase in the amount of reliable hardware has motivated many teachers to integrate technology into their curriculum. ~Professional development offerings are wide-ranging; offered Intel Teach to the Future for graduate credit; other offerings carry re-certification credit. ~Staff receives many e-mails with timely technology information.

6

	ACTION STEPS	STATUS	RATIONALE FOR DETERMINATION
5	<ul style="list-style-type: none"> ~Technology type and cost ~Total Cost of Ownership ~Vermont Data Warehouse 	Achieved	<ul style="list-style-type: none"> ~The Board of Directors has provided adequate funds to support and improve infrastructure and equipment acquisition. ~A TCO was not undertaken; however, with administrative support and discussions with the Board, we are now fully staffed and salaries have risen to market levels. ~BFA/NWTC have joined the Data Warehouse.
		Not Achieved	<ul style="list-style-type: none"> ~We do not have a database for tracking student progress on GE's and Standards.
6	<ul style="list-style-type: none"> ~To the best of our knowledge, at the present time, Bellows Free Academy and the Northwest Technical Center technology initiatives are funded solely through local resources. 	N/A	No E2T2 money is received.
7	<ul style="list-style-type: none"> ~Employ full-time, licensed integration Specialist(s). ~A clearly articulated expectation for each teacher to create at least one lesson plan that demonstrates the integration of technology. 	See #3 above: Action Step See #4 above: Action Step	
8	<ul style="list-style-type: none"> ~Offer advanced and/or specialized courses to other schools and provide BFA/NWTC students with the opportunity to take advantage of courses offered over VILN by other schools. 	N/A	<ul style="list-style-type: none"> ~While VILN was active, students took and were encouraged to take classes not offered here.
9	<ul style="list-style-type: none"> ~Record parental e-mail addresses to improve communications among the school, staff, and parents. ~Provide parents with information about technologies and their proper role in instruction. ~Continue to improve the current website and to make the community aware of its existence. 	Progress Made	<ul style="list-style-type: none"> ~Our SIS now has a space for recording parent e-mail addresses; many addresses have been collected.
		Not Achieved	<ul style="list-style-type: none"> ~Time has been a significant hurdle to advancing this action step.
		Progress Made	<ul style="list-style-type: none"> ~Improvements have been made to the site; could be advertised more.
10	<ul style="list-style-type: none"> ~Continue current level of service for adult education programs offered through NWTC. 	Achieved	<ul style="list-style-type: none"> ~Our service level to this sector remains high, through improved communication, several major issues have been resolved.

7

	ACTION STEPS	STATUS	RATIONALE FOR DETERMINATION
11	<p>~Once staff and student technology expectation standards have been aligned with State and Federal initiatives and administrative expectations have been developed, a deadline for individuals to meet the expectations will be set.</p> <p>~Individual Professional Development Portfolio (IPDP) process will include a mandated technology component for all re-licensing candidates.</p> <p>~Administrative team will mandate the appropriate use and integration of technology by all employees.</p>	<p>Not Achieved</p> <p>Not Achieved</p> <p>Progress Made</p>	<p>~See #4 above: Goals</p> <p>~See #4 above: Goals</p> <p>~The first steps--mandating weekly, e-mailed progress reports to parents and requiring all staff to use e-mail--have been made.</p>
12	<p>~Continuation of funding for Information Services Department personnel, consultants as needed, Student Information System, Internet Services, VILN, Media Center web based databases, and the print materials needed to support the Technology Goals contained in this plan.</p>	<p>Achieved</p>	<p>~The Board of Directors has provided adequate funds to support and improve infrastructure, purchase equipment, and for software acquisition and licensing retention.</p>

III. Goal Section

FCSU Vision Statement

FCSU supports technology in the service of student learning for success in the 21st century.

A. Curriculum Integration

Rate 1-3, 1 = High

School	Goal	Action Steps	Priority	Indicators for Actions	Measure	Timeline
K-8	1. Increase connections between technology and curriculum.	a. Beginning in 08-09, include an annual technology goal, <i>that includes both skills and tech integration</i> , in the supervision and evaluation system Deadline Dec. 2006	1	<ul style="list-style-type: none"> Revised supervision and evaluation system template 	<ul style="list-style-type: none"> 80% of teachers with annual technology goal, <i>that includes both skills and tech integration</i> 	08-09
K-8		b. Teachers will complete an annual Tech GE Gap Analysis	2	<ul style="list-style-type: none"> Administrators will administer and collect copies to monitor school and staff progress towards curriculum integration 	<ul style="list-style-type: none"> Completed Gap Analysis Staff/School Technology Self Assessment 	July 07-09
K-8		c. Increase embedded staffing support for technology integration	Local \$\$ 1	<ul style="list-style-type: none"> Technology integration support assigned to current or new staff/contractor 	<ul style="list-style-type: none"> Completed Roles & Responsibilities chart 	Annually
K-8		d. Provide opportunities for staff and students to showcase innovative use of technology in schools	2	<ul style="list-style-type: none"> Possible indicators: Inter or intra school student showcase(s) Inter or intra school staff showcase(s) FCSU and/or Franklin County showcase event 	<ul style="list-style-type: none"> Flyer from showcase event 	July 07-09
K-8		e. Select and inform teachers and acquire research based software and electronic resources that align with state standards and support curriculum and improve student performance	Grant \$\$ T V, IDEA B Local \$\$ 1	<ul style="list-style-type: none"> Resource list to add to curriculum document Communication plan for teachers and parent Tag (Web 2.0) resources for variety of audiences Recommended SU software list 	<ul style="list-style-type: none"> Website link School software inventory in relation to recommended list 	July 07-09
K-12	2. Teachers will enhance student achievement through technology	a. Demonstrate and promote the use of technology with students	2	<ul style="list-style-type: none"> Student presentations in school and to the community Technology grade expectations reported on report cards 	<ul style="list-style-type: none"> Technology integration survey question 	07-09

Curriculum Integration, continued

School	Goal	Action Steps	Priority	Indicators for Actions	Measure	Timeline
K-8	3. Increase student technology literacy.	a. Beginning in 07-08, teachers report student achievement on required tech GEs on report cards, based on local assessment practices	1	<ul style="list-style-type: none"> Grade level report cards from each building 	<ul style="list-style-type: none"> % of report cards that include (none, some or all) assigned Tech GEs 	July 07-09
K-8		b. Develop a model for student technology leadership	2	<ul style="list-style-type: none"> Local programs developed Evidence of student outcomes 	<ul style="list-style-type: none"> Numbers and grades of students involved task lists 	July 07-09
K-8		c. Provide opportunities to bridge the digital divide for students	2	<ul style="list-style-type: none"> Recycle and distribute old computers Provide access to open source software Provide home access to selected school software/resources 	<ul style="list-style-type: none"> Documentation of opportunities provided with numbers when applicable 	July 07-09
K-12	4. Provide professional development in technology skills and integration	a. Continue to use CFG funds to support SU wide Technology Integration summer course	Grant \$ 1 Note	<ul style="list-style-type: none"> Annual Technology Integration course 	<ul style="list-style-type: none"> Class roster 	July 07-09
K-12		b. Offer professional development to support emerging technologies and innovative delivery strategies	Grant \$ 1	<ul style="list-style-type: none"> Possible indicators: Summer course Workshops Peer coaching Flyers 	<ul style="list-style-type: none"> List of opportunities 	July 07-09
K-8		a. Increase % of staff completion of Tech Checklists I and II by providing local support Deadline June 2008	1	<ul style="list-style-type: none"> % completed at each school 	<ul style="list-style-type: none"> Checklist tracking 	July 07-09
K-8		d. Identify SU and local items to implement local technology orientation for all new staff	2	<ul style="list-style-type: none"> SU orientation list Task assigned to local position Local orientation lists 	<ul style="list-style-type: none"> Number and position of staff oriented at each building 	08-09
K-12		e. Identify and implement new tool for measuring technology skills that replaces Profiler	2	<ul style="list-style-type: none"> New tool linked to Tech GEs Tool used administrators, staff and students Report used to inform decision making (professional development, action planning, etc.) 	<ul style="list-style-type: none"> % of staff using tool at each building Report usage results 	July 07-09

Curriculum Integration, continued

School	Goal	Action Steps	Priority	Indicators for Actions	Measure	Timeline
9-12	5. Create a learning environment where technology is seamlessly integrated into the curriculum using effective teaching practices	a. Implement a system that will electronically record student achievement of standards and GEs across the curriculum.	2	<ul style="list-style-type: none"> • Software purchased (VCAT) 	<ul style="list-style-type: none"> • Financial support provided 	FY 09 budget
9-12		b. Begin a comprehensive curriculum mapping initiative	2	<ul style="list-style-type: none"> • Inclusion of Tech GEs in curriculum mapping process • Through mapping determine what media literacy skills are taught and assessed • Determine appropriate placement of these skills in the curriculum 	<ul style="list-style-type: none"> • Assistant Principal for Curriculum and Instruction includes technology when directing standards and GE based curriculum work 	Begin summer 07
9-12		c. Freshman curriculum includes acquisition of technology skills	3	<ul style="list-style-type: none"> • Inclusion of Tech GEs, incorporating 21st Century Information, Communication and Technology Skills, as curriculum for the “Freshman Academy” (school initiative) is developed 	<ul style="list-style-type: none"> • Electronic records of skills acquired by students 	End of 09
9-12		d. Provide professional development geared toward individual needs and interests during the school day in addition to after school offerings	3	<ul style="list-style-type: none"> • Create a technology assessment tool for staff to determine individual strengths and weaknesses 	<ul style="list-style-type: none"> • Tool created • Track staff progress and establish a time-line for meeting individual goals 	End of 08
9-12		e. Make staff aware of resources such as VT-Cite and/or Riverdeep Learning Village as an introduction to effective teaching practices using technology	3	<ul style="list-style-type: none"> • Regularly produced lab technology tips newsletter for staff • IT staff trained in Riverdeep Village in order to acquire licenses 	<ul style="list-style-type: none"> • Licenses acquired 	Begin in 09 school year
9-12		f. Continue leadership in WAN deployment to provide better communication among schools and opportunities for e-learning within the SU	1		<ul style="list-style-type: none"> • WAN is fully operational across the SU 	On-going
9-12		g. Advertise and begin to utilize the Learning Network of Vermont	3	<ul style="list-style-type: none"> • Faculty scheduled usage of site 	<ul style="list-style-type: none"> • Participation 	On-going

B. Overarching Elements

Access Infrastructure						
School	Goal	Action Steps	Priority	Indicators for Actions	Measure	Timeline
K-8	1. Reach and/or maintain 5:1 ratio	a. Create/update Purchase/Replacement plan that supports 5:1 ratio at each school (computers 5 years old or less that support student learning: # of students)	2 Local \$\$	<ul style="list-style-type: none"> • Purchase/ Replacement plan to support this goal is in place • Budget to support this plan is approved 	<ul style="list-style-type: none"> • Purchase/ Replacem ent plan in place at 75% of the schools 	07-09
K-8	2. Sufficient peripherals to support technology integration that makes learning visible	a. Identify needed peripherals at each school (cameras, interactive whiteboards, projectors, laptops, etc...) in each building	1 Local \$\$	<ul style="list-style-type: none"> • Visible learning • Sufficient peripherals to meet educational need 	<ul style="list-style-type: none"> • 2:1 number of peripherals to teachers who teach in a classroom in each building 	08-09
K-12	3. <i>Bridge the digital divide</i>	a. Promote the use of open source and web based applications for students and families	2	<ul style="list-style-type: none"> • Applications, resources or hardware shared with children and families and methods of sharing 	<ul style="list-style-type: none"> • How many resources were shared 	07-09
K-12	4. Increased flexible, mobile access to technology	a. Promote the use of mobile access to technology	1 Local \$\$	<ul style="list-style-type: none"> • Laptops, smartboards, projectors, handhelds, alphasmarts, technology tools, etc. that can be signed out. • Wireless access zones in the building(s) 	<ul style="list-style-type: none"> • Survey question to determine degree of usage 	07-09
K-12	5. Increased understanding and use of assistive technology	a. Collaborate with Special Education to identify resources and funding	1	<ul style="list-style-type: none"> • List of assistive technology options and costs available • List of possible funding sources 	<ul style="list-style-type: none"> • Lists developed and shared in every building • Survey question to measure this goal 	07-09
K-12		b. Identify a local resource with expertise for professional development	1	<ul style="list-style-type: none"> • List of VT experts in assistive technology 	<ul style="list-style-type: none"> • List developed and shared in every building 	07-09
K-12		c. Research and provide resources for the delivery of specialized curricula NCLB Deadline for ALL students meeting standard by 2014	1 Local \$\$ if purchased	<ul style="list-style-type: none"> • List of resources of specialized curricula 	<ul style="list-style-type: none"> • List developed and shared in every building 	07-09

Access and Infrastructure, continued						
School	Goal	Action Steps	Priority	Indicators for Actions	Measure	Timeline
K-12	6. Infrastructure support for increased demands of newer technology	a. Increased bandwidth, storage, distance learning, online learning, web based collaboration tools	1 Local \$\$	<ul style="list-style-type: none"> • SU contract for sufficient bandwidth • Explore grant funding for distance learning and infrastructure • Sufficient network storage • Increased usage of online learning and web based collaboration tools 	<ul style="list-style-type: none"> • SU bandwidth contract • Grants received • List of online learning and web based collaboration tools prepared by FCSU Technology Committee 	07-09
K-12	7. Increased use of Internet for communications	a. Access to mail server for internal email at each site	1 Local \$\$	<ul style="list-style-type: none"> • Internal mail system at each site 	<ul style="list-style-type: none"> • 100% email access to all staff 	07-09
K-12	8. Study implications of increased TI on planning and budgeting	a. FCSU Technology Committee will study current planning and budgeting practices as related to evolving technology usage	3	<ul style="list-style-type: none"> • Develop recommendations for planning and budgeting technology 	<ul style="list-style-type: none"> • Tech Planning and Budgeting Recommendations shared with administrators 	07-08
9-12	9. To provide an infrastructure, including appropriate policies that will continue to support the development and use of technology across the content areas with the support from the Board of Director, the Administration, and the community.	a. Maintain and expand (within the financial means of the community) the existing infrastructure to meet the needs of the students and staff across the curriculum	1	<ul style="list-style-type: none"> • Necessary funding included in yearly budgets 	<ul style="list-style-type: none"> • Budget approved by the Board 	On-going
9-12		b. Maintain current IT staffing levels that include a director, computer technology specialist, network administrator, technology integration facilitator, and help desk personnel	1	<ul style="list-style-type: none"> • IS communicates regularly with the Board highlighting new technology initiatives and directing attention to support issues and student, teacher and staff requests 	<ul style="list-style-type: none"> • Budget approved by the Board • Monthly report to the Board 	On-going
9-12		c. Work with administration to keep the need to support technology and related skills in the school's action plan	3		<ul style="list-style-type: none"> • Documented in school's action plan 	

Access and Infrastructure, continued

School	Goal	Action Steps	Priority	Indicators for Actions	Measure	Timeline
9-12		d. Research and develop policies that will protect, as much as possible, the school, faculty and students	3	<ul style="list-style-type: none"> Research and recommend policies to the Administration and Board of Directors 	<ul style="list-style-type: none"> Board of Directors adopt policies 	End of 07-08
9-12		e. Continue to collect parent e-mail addresses; create a technology newsletter and add a link to such on the home page; provide parents and students with access to web based grading, attendance, and assignment information	2	<ul style="list-style-type: none"> IT staff members will regularly provide tips, sites, etc., of interest to the community, focusing on parents and students Advertise at every opportunity, the school's website Provide and support usage of web-based grading for all parents and students 	<ul style="list-style-type: none"> Administration, parents and student expectations for teacher use of K-12 Planet will increase substantially during the term of this plan 	Be-gin in 07-08

Technical Support

School	Goal	Action Steps	Priority	Indicators for Actions	Measure	Timeline
K-12	1. Document need for centralized technology position	a. Identify SU tech needs	1	<ul style="list-style-type: none"> SU Technology Audit (technology audit, market analysis, staffing survey DOE) 	<ul style="list-style-type: none"> Accurate representation of FCSU met and unmet technology needs 	07-09
K-12	2. Examine areas for standardization of procedures	a. (hardware, software, purchasing, process, help desk, staffing, salaries) b. Identify specialty areas, consolidate and share resources	1	<ul style="list-style-type: none"> Joint purchasing & licensing Common help ticketing system Common recommended levels of tech staff support and salaries List of tech staff areas of specialization 	<ul style="list-style-type: none"> Evidence of joint purchasing Common help ticketing system implemented Recommendations shared with administrators and boards Specialization list 	07-09

Leadership						
School	Goal	Action Steps	Priority	Indicators for Actions	Measure	Timeline
K-12	1. Increase the ability of teachers to integrate technology into their work	a. Teacher technology goals in the supervision and evaluation system must include tech integration	1	<ul style="list-style-type: none"> Revised supervision and evaluation system template 	<ul style="list-style-type: none"> 75% of all teachers have a technology goal that includes integration 	08-09
K-12		b. Principals share anonymous staff tech skills and integration goals with the SU admin team and with tech support staff in each building every fall	2	<ul style="list-style-type: none"> List of staff technology goals 	<ul style="list-style-type: none"> 100% of schools with lists of staff technology goals 	Fall 07-09
K-12	2. Increase the ability of administrators to integrate technology into their work	a. Require administrators to have an annual technology goal that supports their work.	3	<ul style="list-style-type: none"> Use of ISTE NETS for Administrators to set technology goals Sharing of administrator technology goals at administrator meetings 	<ul style="list-style-type: none"> 100% of administrators with evidence of completed technology goal 	07-09
K-12		b. Provide embedded professional development support to administrators (skills, leadership, collaborative tools)	Local \$\$ 2	<ul style="list-style-type: none"> Professional development provider identified at each building 	<ul style="list-style-type: none"> 100% of administrators model use of technology in their work 	July 07-09
K-12	3. Ensure sufficient technology staffing	a. Assign technology roles and responsibilities at each site	Local \$\$ 1	<ul style="list-style-type: none"> Technology roles and responsibilities are assigned to current or new staff, or consultants 	<ul style="list-style-type: none"> Tech R & R chart filled out at each school and copied to Tech Coordinator 	07-09

Policy						
School	Goal	Action Steps	Pri- ori- ty	Indicators for Actions	Measure	Timeli- ne
K-12	1. Promote policy support at each building	a. Assess technology policy support, compile and report back to administrators and boards	1	<ul style="list-style-type: none"> • Compiled Policy Report 	<ul style="list-style-type: none"> • Policy Report completed and shared 	07-08
System, Administrative, And Community Support						
K-12	1. Promote understanding and use of technology among parent/community members	a. Use technology to communicate between school and the community	2	<ul style="list-style-type: none"> • School/SU/Teacher websites • Electronic newsletters • E-mail/listserves 	<ul style="list-style-type: none"> • List of home – school technology communication opportunities 	07-09
K-12		b. Post Technology Plan on FCSU website	1	<ul style="list-style-type: none"> • Link to Tech Plan from school and SU websites 	<ul style="list-style-type: none"> • Working links 	07-09
K-12		c. Showcase uses of technology integration into learning	2	<ul style="list-style-type: none"> • Use of technology at parent/community events • Student demonstrations • Staff demonstrations 	<ul style="list-style-type: none"> • List of showcase opportunities at each school 	07-09

C. Evaluation

Essential Questions

1. How are students and teachers using technology?
2. What kinds of professional development and support are making a difference in classroom practice?
3. How the infusion of technology changing student approaches to learning, characteristics of student products, and student achievement in curricular areas?

We will use a variety of tools to measure the effectiveness of the plan's implementation and answer these questions, including document collection, observations, surveys, reports, etc... We have developed a template to guide us through the evaluation process. We will also use it with our stakeholder groups to involve them in the plan and its implementation. The FCSU Technology Committee and Administrators will use this template semi-annually to evaluate our progress. See Attachment "A"

BFA Evaluation

Meetings of interested parties will be scheduled to discuss progress made in achieving this plan's goals, getting input from as many stakeholders as possible, and making adjustments as necessary. Meetings will be scheduled before the school year begins and the dates will be listed in the faculty handbook. Each department will be asked to designate someone who will attend the scheduled meetings. Administration will be asked if faculty may serve on the committee in lieu of an extra duty. The Assistant Principal for Curriculum and Instruction and IT staff will be included. An invitation to interested students will be issued possibly as an opportunity for community service credit. Some students will be specifically targeted to become active in this group. Meetings will begin in November 07.

Budget

Budget Narrative: Technology tools will be used to increase and support home – school communications via school websites and messaging. We will increase the numbers of teacher web sites and increase teacher email access. The Technology Plan will also be available on each school and SU website. We will also

involve the community by developing our student technology leadership program and by including them in demonstrations of technology integration.

Year one budgets reflect the technology expenses included in the current budget at each school. That being said, two of the budgets have not been approved by the voters yet. Year two expenses reflect the amounts recommended to implement this Technology Plan. Year two reflects the addition of a centralized technology staff position, and the associated reduction in the expense of an SU Technology Coordinator and consultant. The Budget Summary includes per pupil costs and is followed by individual school budgets.

The budgets in this plan include items asked for by the state. Many of these expensed are already included in our current budgets. New expenses for each school will be determined by their current states, and the extent to which they can implement the goals in this plan.

The BFA budget includes Professional Development, Internet Services and WAN costs, Network Consulting & Emergency Services, Travel, Conferences, Telephone Support, Equipment Repairs & Maintenance, Professional Materials, Audio/Visual Hardware & Repair, Computer Software, Server Room needs, Dues & Fees, Furniture & Fixtures and Computer Purchases.

Each school will support this plan to the extent possible given their individual budgets and level of technology and community support.

Budget Summary

		2007-2008	2007-2008	2008-2009	2008-2009
School	# Students	Year 1 Amount	per pupil	Year 2 Amount	per pupil
SATEC	656	\$182,000	\$277	\$193,900	\$296
SAC	770	\$230,633	\$300	\$237,945	\$309
FCS	262	\$21,580	\$82	\$31,700	\$121
BFA/NWT	1222	475,812	\$389	492,187	\$403

		2007-2008	2007-2008	2008-2009	2008-2009
School	# Students	Year 1 Amount	per pupil	Year 2 Amount	per pupil
BFA/NWT	1222	223,482	\$183	230,187	\$188

Personnel expense excluded

Budget Detail

SATEC

Description	Year 1 Amount	Year 2 Amount
Professional Development	1,000	5,000
Salary & Wages/Benefits <i>Tech staff</i>	95,000	100,000
Infrastructure <i>Internet access</i>	5,400	5,400
Hardware <i>Computers & upgrades</i>	41,000	41,000
Software <i>Includes acquisition, licensing & maintenance</i>	13,000	13,000
Travel	100	500
Consultants & Contracts	4,700	5,000
Stipends	2,000	2,000
Equipment <i>Includes: Peripherals, replacement parts, cartridges, bulbs, repair & maintenance</i>	18,000	20,000
Web site development	300	500
Evaluation	0	0
Other	1,500	1,500
	already budgeted	proposed
Total	182,000	193,900

SAC

Description	Year 1 Amount	Year 2 Amount
Professional Development (from 1051)	20,000	20,000
Salary & Wages/Benefits <i>Tech staff</i>	135,538	138,000
Infrastructure <i>Internet access</i>	4,100	4,100
Hardware <i>Computers & upgrades</i>	32,050	36,100
Software <i>Includes acquisition, licensing & maintenance</i>	11,745	11,745
Travel	0	0
Consultants & Contracts	8,000	8,000
Stipends		
Equipment <i>Includes: Peripherals, replacement parts, cartridges, bulbs, repair & maintenance</i>	19,200	20,000
Web site development	0	0
Evaluation	0	0
Other	0	0
	already budgeted	proposed
Total	230,633	237,945

FCS

Description	Year 1 Amount	Year 2 Amount
Professional Development	0	0
Salary & Wages/Benefits <i>Tech staff</i>	7,950	9,000
Infrastructure <i>Internet access</i>	paid by public library	paid by public library
Hardware <i>Computers & upgrades</i>	paid by public library	paid by public library
Software <i>Includes acquisition, licensing & maintenance</i>	4,500	5,000
Travel	0	0
Consultants & Contracts	0	0
Stipends		
Equipment <i>Includes: Peripherals, replacement parts, cartridges, bulbs, repair & maintenance</i>	2,000	1,500
Web site development	0	2,000
Evaluation	0	0
Other	0	0
	already budgeted	proposed
Total	14,450	17,500

BFA/NWT

Description	Year 1 Amount	Year 2 Amount
Professional Development		
Salary & Wages/Benefits <i>Tech staff</i>	252,330	262,000
Infrastructure <i>Internet access</i>		
Hardware <i>Computers & upgrades</i>		
Software <i>Includes acquisition, licensing & maintenance</i>		
Travel		
Consultants & Contracts		
Stipends		
Equipment <i>Includes: Peripherals, replacement parts, cartridges, bulbs, repair & maintenance</i>		
Web site development		
Evaluation		
All other expenses	223,482	230,187
	already budgeted	proposed
Total	475,812	492,187

FCSU

FCSU (add in centralized Tech position)

Description	Year 1 LOCAL Amount	Year 1 Grants	Year 2 LOCAL Amount	Year 2 Grants
Professional Development		11,100		11,000
Salary & Wages & benefits <i>Tech staff</i>			80,000	
Infrastructure <i>Internet access</i>	240		250	
Hardware <i>Computers & upgrades</i>	5,000		5,000	
Software <i>Includes acquisition, licensing & maintenance Compass Learning 5000 Unifund 17295</i>	17,295	5,000	20,000	5,000
Travel				
Consultants & Contracts <i>WAN 46526, (yr 2 50000) VDC 18,000 (yr 2 18000) Support 7000,(yr. 2 8000)</i>	53,526	18,000	50,000	18,000
Stipends <i>Tech Coordinator</i>		4,200		
Equipment <i>Includes: Peripherals, replacement parts, cartridges, bulbs, repair & maintenance</i>	3,000		4,000	
Web site development		1,000		1,000
Evaluation				
Other				
All SU expenses not funded by grants are passed onto schools through SU assessments. Local SU expenses are therefore not included in the Budget Summary. Grant funded opportunities directly benefit the schools.				
Total	79,061	39,300	159,250	35,000

Year 1 total 118,361 Year 2 total 194,250

E-Rate grant (discount) for Internet Access is applied to each school as the bills come in. The discount is 56%. Each school's budgets for the entire cost of Internet budget because we never know when the grant will change. At the end of a year when the grant is received, the budget line could have 56% left in it.

Considerations

1. E-Rate requirements – If E-Rate funds are received the local plan must:
 - a. Establish clear goals and a realistic strategy for using telecommunications and information technology to improve education;
 - b. Have a professional development strategy to ensure that staff know how to use technologies to improve education;
 - c. Include an assessment of the telecommunication services, hardware, software, and other services that will be needed to improve education;
 - d. Provide for a sufficient budget to acquire and maintain the hardware, software, professional development, and other services that will be needed to implement the strategy; and
 - e. Include an evaluation process that enables the school to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities as they arise.

Plans must align with NCLBA requirements:

1. Description of how the school will improve academic achievement through teacher effectiveness in technology integration

2. Goals and their relationship to state standards
3. Description of how the school will take steps to increase access to technology
4. Description of how the school will identify and promote teaching strategies (“best or promising practices”) that integrate technology
5. Description of how professional development will occur
6. Description of the type and costs of technologies to be acquired including interoperability requirements
7. Description of how the school will coordinate activities carried out under these funds with activities from other funds
8. Description of how the school will integrate technology and a timeline for the integration
9. Description of how the school will encourage development and use of innovative strategies, including distance learning
10. Description of how the school will ensure the effective use of technology to promote parental involvement and increase communication
11. Description of how the school will develop programs, where applicable, with adult literacy services
12. Description of the process and measures to be used to evaluate the extent to which technology is integrated, improves the ability of teachers to teach, and enables students to reach State standards
13. Description of the supporting resources that will be acquired (incl. Services, software, electronic & print materials)

Definitions

Best Practices - the processes, practices, and systems identified in public and private organizations that performed exceptionally well and are widely recognized as improving an organization's performance and efficiency in specific areas. Successfully identifying and applying best practices can reduce business expenses and improve organizational efficiency.

Essential Conditions for Technology Integration - A combination of essential conditions are required to create learning environments conducive to powerful uses of technology, including:

1. Vision with support and proactive leadership from the education system
2. Educators skilled in the use of technology for learning
3. Content standards and curriculum resources
4. Student-centered approaches to learning
5. Assessment of the effectiveness of technology for learning
6. Access to contemporary technologies, software, and telecommunications networks
7. Technical assistance for maintaining and using technology resources
8. Community partners who provide expertise, support, and real-life interactions
9. Ongoing financial support for sustained technology use
10. Policies and standards supporting new learning environments http://cnets.iste.org/students/s_esscond.html

Media Literacy - the ability to apply critical thinking skills to all media messages from print, television, radio, CD-ROM, video, video games, film, and the Internet

Technology Integration - Curriculum integration with the use of technology involves the infusion of technology as a tool to enhance the learning in a content area or multidisciplinary setting. Technology enables students to learn in ways not previously possible. Effective integration of technology is achieved when students are able to select technology tools to help them obtain information in a timely manner, analyze and synthesize the information, and present it professionally. The technology should become an integral part of how the classroom functions — as accessible as all other classroom tools.
http://cnets.iste.org/students/s_currinteg.html

Technology Literacy - is the ability to responsibly use appropriate technology to communicate, solve problems, and access, manage, integrate, evaluate, and create information to improve learning in all subject areas and to acquire lifelong knowledge and skills in the 21st century

GLOSSARY

CFG	Consolidated Federal Grants
GE	Grade Expectations
GCE	Grade Cluster Expectations
NECAP	New England Common Assessment Program
NCLB	No Child Left Behind

Attachment A

SAMPLE

Goal	Action Steps	Measure	Work Document	Collection Tally List	Survey	Focus Group	Observation	Who/Responsible?	Timeline
1. Increase connections between technology and curriculum.	a. Beginning in 08-09, include an annual technology goal, <i>that includes both skills and tech integration</i> , in the supervision and evaluation system	<ul style="list-style-type: none"> 80% of teachers with annual technology goal, that includes both skills and tech integration 		x List of tech goals					
	b. Teachers will complete an annual Tech GE Gap Analysis	<ul style="list-style-type: none"> Completed Gap Analysis 	x						
		<ul style="list-style-type: none"> Staff/School Technology Self Assessment 							
	c. Increase embedded staffing support for technology integration	<ul style="list-style-type: none"> Completed Roles & Responsibilities chart 							
	d. Provide opportunities for staff and students to showcase innovative use of technology in schools	<ul style="list-style-type: none"> Flyer from showcase event 							
	e. Select and inform teachers about research based software and electronic resources that align with state standards and support curriculum								
		<ul style="list-style-type: none"> Website link 							
2. Increase student technology literacy.	a. Beginning in 07-08, teachers report student achievement on required tech GEs on report cards, based on local assessment practices	<ul style="list-style-type: none"> % of report cards that include (none, some or all) assigned Tech GEs 							
	b. Develop a model for student technology leadership	<ul style="list-style-type: none"> Numbers and grades of students involved task lists 							
	c. Provide opportunities to bridge the digital divide for students	<ul style="list-style-type: none"> Documentation of opportunities provided with numbers when applicable 							
3. Provide professional development in technology skills and integration	a. Continue to use CFG funds to support SU wide Technology Integration summer course	<ul style="list-style-type: none"> Class roster 							
	b. Offer professional development to support emerging technologies and innovative delivery strategies	<ul style="list-style-type: none"> List of opportunities 							
	c. Increase % of staff completion of Tech Checklists I and II by providing local support	<ul style="list-style-type: none"> Checklist tracking 							

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 Central Supervisory Union

Technology Contact Person: Diane Lemieux Phone: 527-7191
Title: Technology Coordinator E-mail address: dhlemieux@yahoo.com

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.

Diane Lemieux, Associate Principal, FCSU Technology Coordinator
Lydia Foisy, BFA Technology Director
Juan Martinez, Network Administrator Marilyn Grunewald, Superintendent
Lucie delaBruere, Tech Integration Spec. Sara Denny, Curriculum Coordinator
Teachers and administrators at each school Beth Curtis, Librarian

Certifications: Select one

This Educational Technology Plan was approved by our School Board on:
This Educational Technology Plan will be approved by our SU Board on: May 15, 2007

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 it’s last E-Rate application
- 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
- 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: _____ Date: _____
(Superintendent/CEO)

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