

FCSU Tech Plan 2009-2012



Goal 1 Student-Centered Learning

Local Goal: Our SU will utilize technology to support the development of 21st Century skills in students and teachers.

Action Step	Description	Staffing	Infrastructure	Budget	PD	Y1 Y2 Y3	Data Collection
1	Develop the use of technology to support assessment in all content areas including technology	Curriculum Committees and EdTech Committee	VCAT PowerSchool Data Warehouse	\$9600./yr \$14, 226/ yr \$3,000./yr.	VCAT PowerSchool Data Warehouse	All years	VCAT Database(DB) PowerSchool DB Data warehouse DB
2	Become familiar with standards in 21st century skills, and include these updated standards in planning activities.	Curriculum Committees, EdTech Committee, Tech Integration staff and Teachers	Technology tools, devices and access 21st Century Skills component in curriculum and planning templates 21 st Century Skills definition	Subscriptions to online learning opportunities Projectors Smartboards Document cameras Response devices video cameras Microphones	21Century Skills PD opportunities	All years	VCAT curricula with 21st Century skills embedded Numbers of subscriptions and peripherals 21 st Century Skills PD registrations
3	Explore and work toward student-centered learning practices that take advantage of effective technology use and the ways in which technology can enrich and expand the learning environment	Curriculum Committees, EdTech Committee, Tech Integration staff and Teachers	Technology tools, devices (including assistive technology) and access 21st Century Skills component in curriculum and planning templates Flexible scheduling Student Centered Learning Practices definition	Time and training	21Century Skills PD opportunities Assistive technology as needed	All years	Staff Survey
4	Provide professional development opportunities, with the expectation that teachers will pursue these and other opportunities to learn and use these tools.	Technology Integration staff Technology Teacher Leader	Administrators will plan and allow for PD and monitor learning and implementation	TBD at each school CFG grants	21st Century Skills and Applications Basic Technology Skills and Application Student Centered Learning	All years	PD offerings and numbers attending each

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Indicators of Success for this Goal:

Students will use technology responsibly, independently and seamlessly in all content areas

- to access, manage, integrate, evaluate and create information in order to function in a knowledge economy and realize their potential.
- to research, organize, evaluate and communicate information, and
- to understand the legal/ethical issues surrounding the access and use of information

Teachers will use technology to

- collaborate with colleagues (ie, locally and globally) for
 - communication, planning,
 - supporting students, monitoring student progress
- plan and implement instruction and assessment
- engage families in the educational program
- provide assistive technology
- seamlessly manage their work

Professional development will be offered

- embedded during the school day
- after school
- summer
- and funded through grants and school budgets

Professional development will be designed

- in alignment with Tech Plan goals and action steps
- from teacher request
- around staff skills
- to include technology tools

Professional development will be evaluated through

- supervision and evaluation system
- pre & post assessments
- professional development evaluations
- use of peripherals, degree of technology integration and use of Web 2.0

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Goal 2 Leadership in a Student-Centered Environment

Local Goal: Our SU administrators will foster the development of teacher and student leaders for student-centered learning through technology.

Action Step	Description	Staffing	Infrastructure	Budget	PD	Y1 Y2 Y3	Data Collection
1	Use technology to drive and support decision-making.	Administrators Central Office Technology staff Teachers	VCAT PowerSchool Data warehouse	\$9600./yr \$14, 226./ yr \$3,000./yr.	Data Driven Decision Making PD	All years	Technology Executive Summary
2	Build awareness of student use of technology beyond school walls, and seek ways to integrate these tools into everyday instruction and student learning plans.	Teachers Technology staff Student technology leaders	Access to internet LNV or similar technology access Technology embedded into FCSU curricula Network support Technology resources in IEPs and other learning plans	\$2500./ month for FCSU Internet access	Tech integration PD	All years	List of types of student technology and uses beyond school walls Technology Integration PD registrations Simple survey of teachers noting which technology they are using.
3	Develop expectations for district professional development activities that require the integration of 21st century tools and a focus on student-centered learning in classrooms.	Technology staff Administrators Curriculum developers Teachers	Admin meeting time to discuss priorities and determine how staff will receive the technology training they need for 21st century tools and student centered learning	\$0 additional dollars needed	21st century skills PD opportunities for administrators and staff	All years	List 21 st century tools included in cross curricular PD offerings List kept at Central Office of what technology PD teachers have taken
4	Model the use of technology in everyday practice. This may include the effective use of online tools for communicating and collaborating with staff, parents and the community.	Administrators Technology staff Website contributors PEG Access	Peripherals such as projectors, SmartBoards, web cams, document cameras, digital devices, etc... Alert Now Websites, blogs Sufficient bandwidth	Cost of peripherals, subscriptions, bandwidth, management services	Use of instructional peripherals, website, and TV presentations	All years	Technology Executive Summary

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5	Devise innovative, meaningful ways to provide technology for teachers as a necessary tool for their daily work and expect that teachers will use it.	Administrators for evaluation Teachers to coach each other in use of innovations Technology staff	Teachers include technology goals in evaluation process Budgets that support purchase, implementation, maintenance and support for increased daily technology use Sufficient hardware, software, devices, and infrastructure for increased daily use	Possible need for hardware, software, subscriptions, technology staff and infrastructure	Scheduled and embedded technology PD for daily technology use Develop system for training new teachers in technology use	All years	Technology Executive Summary
6	Provide students adequate access to technology tools within conducive physical environments for student-centered learning.	Administrators Tech staff	Technology tools Sufficient infrastructure-bandwidth, tech and facilities support, wired and wireless network access, safe, secure and seamless technology access.	Cost of tools, infrastructure, technology support	PD for administrators and staff on tools and their appropriate uses	All years	List of student technology tools being used

Indicators of Success for this Goal:

SU leaders will demonstrate their technology leadership by

- creating a technology vision and provide leadership for their staff and students
- supporting, planning for, implementing and holding staff accountable for the use of technology
- developing a plan to integrate 21st Century technology tools and devices into the learning environment

SU leaders will employ technology for collecting, analyzing, and disseminating data for decision making by

- supporting the implementation and use of FCSU tools such as VCAT, PowerSchool, Data Warehouse, etc.
- working with their staff to use technology for school improvement

Professional development will be offered/designed/evaluated

- in alignment with NSDC standards
- in a variety of formats and venues
- based on staff needs and FCSU Technology Plan

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Goal 3 Flexible Learning Communities

Local Goal: Our SU will use technology to provide robust and rigorous educational opportunities to students and provide resources in ways that allow for varied access during and beyond the traditional school day.

Action Step	Description	Staffing	Infrastructure	Budget	PD	Y1 Y2 Y3	Data Collection
1	Increase access to multiple forms of learning resources on a 24/7 basis via technology beyond their school day. This may include websites, podcasts, and online course environments	Administrators Tech staff Teachers	Hardware, open source software, secure access to software programs, web tools and electronic resources, Internet access to web based programs and learning environments		Web 2.0 training Training in electronic resources, digital devices and teaching in flexible learning environments	All years	List of 24/7 learning resources
2	Explore scenarios for students to utilize student-owned technology on the school campus.	Administrators Tech staff	Secure, sufficient, flexible networks with sufficient bandwidth Appropriate Use policy and procedure		Training and networking for all tech staff PD for administrators and staff	All years	Numbers of pilot explorations used in SU SU process developed to vet emerging technologies
3	Extend learning opportunities by using technology to collaborate with others locally, regionally, statewide, nationally, and internationally to solve problems, create new knowledge, and develop 21st century skills.	Administrators Tech staff Teachers	Bandwidth, related software or subscriptions(e.g., virtual and distance learning opportunities), secure access for students, parent understanding, and FCSU policy and procedures to support 21st century learning		21st century skills and Web 2.0 collaboration opportunities training for FCSU staff	All years	List of 21st century learning collaboration opportunities being used in FCSU

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Indicators of Success for this Goal:

SU will create and support a learning environment that makes use of 21st century learning technologies by

- providing K-12 students safe access to 21st Century tools (hardware, peripherals, software and connectivity)
- integrate 21st Century technology tools and devices into the learning environment within the capacity of the infrastructure

Our infrastructure will

- provide sufficient bandwidth to support the functions of the SU
- support a variety of technology tools and devices owned by FCSU, staff and students
- support seamless access to technology tools

Policies and budgets will be in place to

- improve use and access of technology in and beyond the schools

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Goal 4 Engaged Community Partners

Local Goal: Our SU will use technology tools to develop collaborative relationships within the local, regional, state, and global communities.

Action Step	Description	Staffing	Infrastructure	Budget	PD	Y1 Y2 Y3	Data Collection
1	Share relevant information with parents, community members, school partners, and other school sites.	Central office staff Administrators Tech Staff Teachers FCSU Web Master	Network with adequate bandwidth, web hosting, web tools, PowerSchool	Cost of web master	Web maintenance for faculty and staff, web 2.0 training	All years	List types of information sharing Record of hits to various online sites
2	Continue to provide and enhance online resources for fostering parent involvement in school communities.	Technology Staff Administrators Web Master Faculty	VCAT PowerSchool Unified FCSU Web Sites	\$9600./yr \$14, 226./ yr \$3,000./yr.	Web 2.0 PowerSchool VCAT	All years	Power School net access and other DB features
3	Become a model of collaborative communication for local communities, with students involved in the creation, development, and maintenance of websites and other collaborative tools for local projects and entities.	Administrators Technology Staff Teachers Student leaders Community partners and libraries	Open Source Software, digital communication peripherals, broadband, access to web based learning environments and communication tools (i.e. wikis, blogs google docs)	Cost for peripherals, and cost for a FCSU technology support position (communication, content, educational technology, infrastructure, etc..)	PD on Web 2.0 training for faculty, website or online design or publishing.	All years	List of collaborative communication projects involving students Communication projects linked to FCSU or district curriculum List of collaborative partners
4	Collaborate with community partners to increase access to technology tools.	Administrators Tech staff Community partners	Space Networks Libraries Community partners	Voluntary, unfunded partnerships Pursue grants	PD for community partners	All years	List of community partnerships that contribute to increased access

Indicators of Success for this Goal:

FCSU's engaged community will support and extend the SU's learning environment by

- providing opportunities for communicating interactively with the schools

Students will benefit from their connection to the wider learning community by

- engaging in learning opportunities created through community partnerships such as outdoor classrooms, local and global authentic learning opportunities and audiences, student created media coverage, CCV, NECI, Department of Agriculture, etc...

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Evaluation

FCSU will formatively monitor annually the degree to which our local technology plan is being implemented by reviewing data collection and progress on performance indicators.