

Technology Plan

Submitted by - fcr18501 2007-06-14 15:45:45.0

E-rate Year 2008-2009

Federal Compliances

Federal/State Compliances listed below must be addressed in the county/school plan.

Technology -01 – USING TECHNOLOGY EQUIPMENT/INFRASTRUCTURE FOR EQUITABLE ACCESS TO 21ST CENTURY TECHNOLOGY TOOLS

List one or more activity/strategy that describes how the county/school will budget for and use the technology equipment/infrastructure that supports the acquisition of twenty-first century skills. The action steps should ensure that the capabilities of the technology infrastructure are adequate for acceptable performance of the technology being implemented in the public schools.

Technology 02 - TECHNOLOGY INTEGRATION FOR 21ST CENTURY SKILLS/STUDENT ACHIEVEMENT

List one or more activity/strategy that focuses on using technology to improve achievement of all students with special emphasis on high need and high poverty students. The strategies/action steps should include how 21st century tools and skills will allow students to access information, solve problems, communicate clearly, make informed decisions, acquire new knowledge, construct products, reports and systems and access online assessment systems.

Technology 03- PROVIDING COLLABORATION/COMMUNICATION TOOLS (TELECOMMUNICATIONS NETWORK/EMAIL)

List one or more activity/strategy that describes how the county/school will ensure that the use of telecommunications and internal connections in the schools will enhance student learning. The action steps/strategies should ensure sufficient bandwidth to support teaching and learning and to provide satisfactorily for instructional management needs.

Technology 04- INCREASED ACCESS FOR STUDENTS AND TEACHERS TO 21ST CENTURY TOOLS

List one or more activity/strategy that describes how the county/school will provide increased access to technology for students and teachers. .

Technology 05 – DELIVERY OF 21ST CENTURY CONTENT THROUGH DISTANCE LEARNING

List one or more activity/strategy that describes how the county/school will use innovative strategies (e.g., distance learning) to provide for an effective model for the distance delivery or virtual delivery of instruction in subjects where there exists low student enrollment or a shortage of certified teachers or where the delivery method substantially improves the quality of an instructional program (e.g., WV Virtual School).

Technology 06- 21ST CENTURY PARENT/COMMUNITY/PARTNERSHIP COLLABORATION

Include strategies for promoting collaboration with various partners including parents, community organizations, higher education, schools of colleges and universities, employers and content providers.

Technology 07- PROFESSIONAL DEVELOPMENT FOR 21ST CENTURY INSTRUCTION

Include professional development activities for using the telecommunications network for training teachers and administrators to improve the integration of technology. Include strategy(ies) (e.g., technology integration specialists). to provide ongoing support and assistance to teachers in integrating technology into twenty-first century instruction.

Technology 08- MAINTENANCE AND REPAIR OF 21ST CENTURY TOOLS

List one or more activity/strategy that describes how the school/county will implement, support, maintain and repair all computer equipment and internal connections.

Technology 09- ADULT LITERACY

List one or more activity/strategy that describes how the school/ county will collaborate with adult literacy providers when appropriate.

Narrative Summary

The county and school technology plans provide a description of how the county and schools plan to allocate adequate resources to provide students with equitable access to 21st century technology tools, including instructional offerings and appropriate curriculum, assessment and technology integration resources aligned to both the content and rigor of state content standards as well as to learning skills and technology tools. The plans include the various technologies that enable and enhance the attainment of 21st century skills outcomes for all students. How we plan for technology in our county and schools is based upon the validation from research-based evaluation findings from previous West Virginia-based evaluation projects.

In addition, through the technology planning process, the county and schools continue to study and include emerging technologies for application in a twenty-first century learning environment. The purchase of technology through state contracts provides for uniformity in technological hardware and software standards and procedures. State provided anti-virus protection software helps to ensure network security and integrity. Expanded bandwidth, along with additional local, state and federal funding, provide increased ability for the county to ensure that the

capabilities and capacities of the technology infrastructure are adequate for acceptable performance of the technology being implemented in the public schools. As an additional benefit, the county and schools enjoy the opportunity to purchase from state contracts that allow us to be able to take advantage of appropriate bulk purchasing abilities and to purchase from competitively bid contracts.

An added benefit for our county and school data collection and reporting to the Department of Education and to the federal government is WVEIS, the state-provided comprehensive statewide uniform integrated education management and information system. Also developed by WVEIS, the online county and school's technology plan's structure allows flexibility to adjust the plan based on developing technology, federal and state requirements and changing local school and county needs. The online county and school technology plans are developed in compliance with United States Department of Education regulations and Federal Communications Commission requirements for federal E-rate discounts. The county and schools also continue to seek applicable federal government funds, philanthropic funds, and other partnership funds (or any combination of these types of funds) to augment state appropriations and encourage the pursuit of funding through grants, gifts and donations.

Some technology initiatives in schools and counties may not be adequately addressed in the goals/objective/strategy section of the technology planning section. The county and school narrative allow planning teams to structure a framework/narrative description to describe how the county and schools will allocate adequate resources to provide students and teachers to twenty-first century technology tools,

Technology Needs Assessment

According to data obtained for the 2005-2006 school year, the total number of computers with Windows XP is 385 across the system. The student ratio per computer with Windows XP is 3.20. Internet access is available at each of the County's three schools, and teacher training ranges from 1-5 Hours (81 teachers - 71.7%) to 26-50 hours (1 teacher 0.9%). Online college level courses are available at Doddridge County High School.

Action Steps

Technology 01-Using Technology Equipment/Infrastructure for Equitable Access to 21st Century Technology Tools

Plan Section County Tech Plan

Associated Goals/Objectives 3.1
Technology Integration

Associated High Yield Strategies Integration of 21st Century Learning

Action Step #Technology# Provide a state of the art technology and infrastructure system for all county schools utilizing Tools for Schools, Technology Infrastructure Allocation Initiatives, Rural and Low Income (RLIS) and other funding sources.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
August 1, 2006	June 1, 2010	August 1, 2006	?

Purpose Students and teachers to have access to technology resources and the Internet.
Persons Responsible Superintendent
County Technology Coordinator

Federal Compliances RLIS 03. Educational Technology, Technology 01-Using Technology Equipment/Infrastructure for Equitable Access to 21st Century Technology Tools

Technology 02-Technology Integration for 21st Century Skills/Student Achievement

Plan Section County Tech Plan

Associated Goals/Objectives 3.1
Technology Integration

Associated High Yield Strategies Integration of 21st Century Learning

Action Step #Technology# Provide teachers with resources and equipment that will enhance the use and

integration of technology within all curricular areas.

Projected Begin Date August 1, 2007	Projected End Date June 1, 2010	Actual Begin Date ?	Actual End Date ?
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Purpose Provide technology equipment and resources which enhance technology use through state and local initiative budgets.

Persons Responsible Superintendent, Administrators, County Technology Coordinator.

Federal Compliances
Technology 02-Technology Integration for 21st Century Skills/Student Achievement

Plan Section County Tech Plan

Associated Goals/Objectives 3.1 Technology Integration **Associated High Yield Strategies** Integration of 21st Century Learning

Action Step #Technology# K-6 students and teachers will utilize the Compass Basic Skills and Odyssey program a minimum of 60 minutes per week. 7-12 students and teachers will utilize the SUCCESS program to enhance curriculum and incorporate Office Suite, the Internet, SAS, SchoolKit, Thinkfinity, and other online databases.

Projected Begin Date August 1, 2007	Projected End Date June 1, 2010	Actual Begin Date ?	Actual End Date ?
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Purpose To enhance the West Virginia Content Standards.

Persons Responsible Administrators
County Technology Coordinator
PreK-12 Teachers
Technology Integration Specialist

Federal Compliances
Technology 02-Technology Integration for 21st Century Skills/Student Achievement

Technology 03-Providing Collaboration/Communication Tools (Telecommunications Network/Email)

Plan Section County Tech Plan

Associated Goals/Objectives 3.1 Technology Integration **Associated High Yield Strategies** Integration of 21st Century Learning

Action Step #Technology# Each school will have access to the Internet and WVEIS.

- 1 - Provide funding for Internet and WVEIS access at every school and the county board office.
- 2 - Install Multi Frame Relay (2 T-1's) at the new Doddridge County High School.
- 3 - Provide wireless capabilities throughout the new Doddridge County High School for students and staff to access the school's network and Internet.

Projected Begin Date August 1, 2006	Projected End Date June 1, 2010	Actual Begin Date ?	Actual End Date ?
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Purpose Provide a safe school environment maintaining a stable network and provide for improved communications between school, home and community.

Persons Responsible County Technology Coordinator
Administrators
Teachers

Federal Compliances

Technology 03-Providing
Collaboration/Communication
Tools (Telecommunications
Network/Email)

Plan Section County Tech Plan

Associated Goals/Objectives 3.1
Technology Integration

Associated High Yield Strategies Integration of 21st Century Learning

Action Step #Technology# Provide local and long distance communications capabilities between parents, students, and staff for academic benefits as well as school and home emergencies.

- 1 - All schools will update and evaluate technology inventories and infrastructures on a yearly bases.
- 2 - School technology teams will submit prioritize list of technology resource and infrastructure needs to the county technology coordinator.
- 3 - The county technology coordinator will develop the county technology budget based on the the prioritized list of school and county technology needs, the Digital Divide Survey, Westest data, Writing Assessment data and staff development needs.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
July 1, 2007	June 30, 2009	?	?

Purpose
Communications between parents and staff at each school and board office.

Persons Responsible Board of Education

Federal Compliances
Technology 03-Providing
Collaboration/Communication
Tools (Telecommunications
Network/Email)

Plan Section County Tech Plan

Associated Goals/Objectives 3.1
Technology Integration

Associated High Yield Strategies Integration of 21st Century Learning

Action Step #Technology# Seek E-Rate funding for T1 and telecommunications lines to all educational facilities.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
August 1, 2007	June 1, 2010	?	?

Purpose Provide internet and telecommunications capabilities to all students and teachers.

Persons Responsible Finance Director, County Technology Coordinator

Federal Compliances
Technology 03-Providing
Collaboration/Communication
Tools (Telecommunications
Network/Email)

Technology 04-Increased Access for Students and Teachers to 21st Century Tools

Plan Section County Tech Plan

Associated Goals/Objectives 3.1 Technology Integration

Associated High Yield Strategies Integration of 21st Century Learning

Action Step #Technology# Provide 21st Century resources to all staff and students.

- 1 - Develop schedules for computer lab use in all schools.
- 2 - Increase the amount of technology equipment and resources available for students and teachers in the classroom

and computer labs.

Projected Begin Date August 1, 2006	Projected End Date August 1, 2010	Actual Begin Date August 1, 2006	Actual End Date ?
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Purpose Increase the opportunities for all staff and students to access 21st Century resources.

Persons Responsible County Board, County Tech Coordinator, Administrators, Teachers

Target Audience Teachers, students

Federal Compliances Technology 04-Increased Access for Students and Teachers to 21st Century Tools

Technology 05-Delivery of 21st Century Content through Distance Learning

Plan Section County Tech Plan

Associated Goals/Objectives 3.1 Technology Integration

Associated High Yield Strategies Integration of 21st Century Learning

Action Step #Technology# Provide all schools with the equipment, infrastructure and scheduling options necessary for distance learning opportunities.

Projected Begin Date August 1, 2007	Projected End Date June 1, 2010	Actual Begin Date ?	Actual End Date ?
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Purpose To enroll students in WV Virtual school classes and offer online professional development opportunities for teachers.

Persons Responsible County Technology Coordinator, Administrators, Teachers

Federal Compliances Technology 05-Delivery of 21st Century Content through Distance Learning

Technology 06-21st Century Parent/Community/Partnership Collaboration

Plan Section County Tech Plan

Associated Goals/Objectives 3.1 Technology Integration

Associated High Yield Strategies Integration of 21st Century Learning

Action Step #Technology# Partner with local community agencies.

- 1 - Provide technology resources and Internet access for Adult Basic Education program (GED).
- 2 - Partner with Fairmont State University and Glenville State University to offer online courses during and after school hours.
- 3 - Provide technology resources for technology literacy programs offered through the Fairmont State University's GearUp program and for other community programs.

Projected Begin Date August 1, 2006	Projected End Date June 1, 2010	Actual Begin Date August 1, 2006	Actual End Date ?
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Purpose Provide access to technology resources for adult basic education and literacy programs, training opportunities for parents, and for Fairmont State University courses.

Persons Responsible County Technology Coordinator, Administrators, Teachers, GearUp Coordinator

Federal Compliances
 Technology 06-21st Century
 Parent/Community/Partnership
 Collaboration

Technology 07-Professional Development for 21st Century Instruction

Plan Section County Tech Plan

Associated Goals/Objectives 3.1 Technology Integration **Associated High Yield Strategies** Integration of 21st Century Learning

Action Step #Technology# Coordinate a wide-array of instructional technology training initiatives that encourage educators to become more efficient and effective in their administrative tasks and to develop new instructional strategies utilizing technology with 100% of teachers attending technology related staff development.

- 3 - Provide teachers the opportunity to attend local, regional and state technology conferences and technology related training.
- 1 - Provide the opportunity for all county Library Media Specialist to attend the Technology Integration Specialist Training and the necessary technology equipment and time to implement the TIS program.
- 2 - Provide training for administrative tools including GradeQuick, WVEIS, and Web Page development.

Projected Begin Date August 1, 2006	Projected End Date June 1, 2010	Actual Begin Date August 1, 2006	Actual End Date ?
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Purpose To prepare all teachers and students for the 21st Century.

Persons Responsible County Technology Coordinator, Principals, County Office

Professional Development Action Step
 Research ,Trainer Led

Federal Compliances Technology 07-Professional Development for 21st Century Instruction

Plan Section County Tech Plan

Associated Goals/Objectives 3.1 Technology Integration **Associated High Yield Strategies** Integration of 21st Century Learning

Action Step #Technology# Provide all Principals and Assistant Principals the opportunity to attend the Principal's Academy

Projected Begin Date August 1, 2006	Projected End Date August 31, 2009	Actual Begin Date August 1, 2006	Actual End Date ?
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Purpose For administrators have a better understanding of 21st Century Tools in 21st Century Schools

Persons Responsible Superintendent, County Board of Education

Target Audience Principals, Assistant Principals

Federal Compliances Technology 07-Professional Development for 21st Century Instruction

Technology 08-Maintenance and Repair of 21st Century Tools

Plan Section County Tech Plan

Associated Goals/Objectives 3.1 Technology Integration **Associated High Yield Strategies** Integration of 21st Century Learning

Action Step #Technology# Allocate funding for the maintenance and repair of technology equipment and internal infrastructures.

Projected Begin Date	Projected End Date	Actual Begin Date	Actual End Date
August 1, 2007	June 1, 2010	?	?

Purpose Utilize RESA technicians for maintenance and repair of technology equipment and internal infrastructures.

Persons Responsible Superintendent, County Technology Coordinator.

Federal Compliances
Technology 08-Maintenance and Repair of 21st Century Tools

Technology 09-Adult Literacy

E-rate Budgets

Funding Source	Year		Annual	Disc% Commit	County Match
E-rate funds	2008	Bundled Voice/Long Distance	0.00	0.00	0.00
		Cellular	0.00	0.00	0.00
		Data Lines	18,240.00	14,592.00	3,648.00
		Internal Conn Maint	0.00	0.00	0.00
		Internal Connections	80,425.00	64,340.00	16,085.00
		Internet Access	0.00	0.00	0.00
		Long Distance	6,000.00	4,800.00	1,200.00
		Paging	0.00	0.00	0.00
		Voice	8,290.00	6,632.00	1,658.00
		WAN	0.00	0.00	0.00
		Web Hosting	0.00	0.00	0.00
		E-rate Totals		112,955.00	90,364.00

TFS/Elementary E-rate Application	2008	State Totals - Elementary TFS	0.00	0.00	0.00
		State Totals - TFS/Elementary	0.00	0.00	0.00
TFS/Secondary E-rate Application	2008	State Totals - TFS/Secondary	0.00	0.00	0.00

Funding Source	Year		Annual	Disc% Commit	County Match
E-rate funds	2007	Bundled Voice/Long Distance	0.00	0.00	0.00
		Cellular	0.00	0.00	0.00
		Data Lines	18,240.00	14,592.00	3,648.00
		Internal Conn Maint	0.00	0.00	0.00
		Internal Connections	80,425.00	64,340.02	16,085.01
		Internet Access	0.00	0.00	0.00
		Long Distance	6,000.00	4,800.00	1,200.00
		Paging	0.00	0.00	0.00
		Voice	8,290.00	6,632.35	1,658.09
		WAN	0.00	0.00	0.00
		Web Hosting	0.00	0.00	0.00
		E-rate Totals		112,955.00	90,364.37

TFS/Elementary E-rate Application	2007 State Totals - Elementary TFS	0.00	0.00	0.00
	State Totals - TFS/Elementary	0.00	0.00	0.00
TFS/Secondary E-rate Application	2007 State Totals - TFS/Secondary	0.00	0.00	0.00

Funding Source	Year	Annual	Disc% Commit	County Match
E-rate funds	2006 Cellular	0.00	0.00	0.00
	Data Lines	15,480.00	12,384.00	3,096.00
	Internal Conn Maint	0.00	0.00	0.00
	Internal Connections	0.00	0.00	0.00
	Internet Access	0.00	0.00	0.00
	Long Distance	1,920.00	1,536.00	384.00
	Paging	0.00	0.00	0.00
	Voice	849.12	679.28	169.84
	WAN	0.00	0.00	0.00
	Web Hosting	0.00	0.00	0.00
	E-rate Totals	18,249.12	14,599.28	3,649.84
State Basic Skills E-rate Application	2006 State Totals - BS/CE	0.00	0.00	0.00
State SUCCESS E-rate Application	2006 State Totals - SUCCESS	0.00	0.00	0.00

Funding Source	Year	Annual	Disc% Commit	County Match
E-rate funds	2005 Cellular	0.00	0.00	0.00
	Data Lines	16,605.00	12,735.30	3,869.70
	Internal Conn Maint	0.00	0.00	0.00
	Internal Connections	0.00	0.00	0.00
	Internet Access	0.00	0.00	0.00
	Long Distance	2,088.00	1,607.76	480.24
	Paging	0.00	0.00	0.00
	Voice	1,099.80	843.18	256.62
	Web Hosting	0.00	0.00	0.00
	E-rate Totals	19,792.80	15,186.24	4,606.56
	State Basic Skills E-rate Application	2005 State Totals - BS/CE	0.00	0.00
State SUCCESS E-rate Application	2005 State Totals - SUCCESS	0.00	0.00	0.00

E-Rate Compliance

County E-Rate Compliance Questions

Acceptable Use Policy

Look at the information included in this section. Revise if any of the information listed is incorrect or needs to be updated.

1. Do you have an Acceptable Use Policy? Yes No

2. If yes, what is the last date of adoption/revision? 05/09/2002

3. When was the public meeting held for CIPA Compliance? 10/18/2001

4. Provide the URL to your acceptable use policy. <http://www.wvonline.com/dchs/Policy.htm>

Other Schools Buildings Total

5. Please identify for E-Rate requirements the number of buildings in your county that have Dial Up modem connections to the Internet?	0	0	0
6. Please identify for E-Rate requirements the number of buildings in your county that have 56K frame relay connections to the Internet?	0	0	0
7. Please identify for E-Rate requirements the number of buildings in your county that have T-1 frame relay connections to the Internet?	0	0	3
8. Please identify for E-Rate requirements the number of buildings in your county that have ATM T-1 Internet connections?	0	0	0
9. Please identify for E-Rate requirements the number of buildings in your county that have cable modem connections to the Internet?	0	0	0
10. Please identify for E-Rate requirements the number of buildings in your county that have DSL connections to the Internet?	0	0	0
11. Please identify for E-Rate requirements the number of buildings in your county that have 10 Mb connections to the Internet?	0	0	0
12. Please identify for E-Rate requirements the number of buildings in your county that have 45 Mb connections to the Internet?	0	0	0
13. Please identify for E-Rate requirements the number of buildings in your county that have 100 Mb connections to the Internet?	0	0	0
14. Please identify for E-Rate requirements the number of buildings in your county that have 1 Gb connections to the Internet?	0	0	0
15. Please identify for E-Rate requirements the number of buildings in your county that have more than 1 Gb connections to the Internet?	0	0	0
16. Please identify for E-Rate requirements any other configurations that may exist for buildings connecting to the Internet?			

WORK PLAN SUMMARY

Support/Capacity Building Process

Process Monitoring

Evaluation Process