

MINERAL County Technology Plan

OPTIMAL

Online Planning- Technology Integration Measures for Achievement and Learning

February 28, 2003

County Technology Plan

West Virginia has placed an emphasis on equitably providing technology for schools in order to enhance student learning, improve student achievement, and prepare students for post-secondary education and the world of work. Many stakeholders are involved in this process including students, teachers, administrators, parents, community members, legislators, board of education members and others.

Collectively, the county technology planning team members have assisted in creating, refining, implementing and utilizing educational technology to meet the current standards, develop local programs, build partners and capacity, make data-driven decisions, and to evaluate the use of technology for administrative and instructional tasks.

The county technology plan is a component of the UCIP and is based on the state OPTimal online format (<http://wv.ontargetus.com/>). This plan will serve several functions. Not only does the plan complement and support the county's instructional goals as delineated in the UCIP, it is also intended to help meet the technology objectives/requirements of the school, county/state policies, state/federal programs, and competitive grants. Examples of these include the following:

- Policy 2320: A Process for Improving Education Performance Based Accreditation System
- Policy 2450: Virtual Distance Learning
- Policy 2460: Use of the Internet by Students and Educators
- Policy 2470: Use of Technology by Students and Educators
- Policy 2510: Assuring Quality of Education
- Policy 2520: Content Standards and Objectives
- Federal Communications Commission (FCC) in order to receive Universal Service Fund Program E-rate Funds
- The No Child Left Behind Act of 2001 which establishes the Enhancing Education Through Technology (EdTech) Program
- West Virginia House Bill 4319
- Basic Skills/Computer Education (BS/CE)
- WVSUCCESS
- WVDER Reinventing Education

However, the most important function of the plan is to ensure that the effective use of educational technology supports achievement and lifelong learning.

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County Mission and Vision Statements

County Vision:

The Vision of the School System is to inspire students to become high achieving, creative, lifelong learners and productive, caring, responsible, American citizens.

County Mission:

The Mineral County School System will provide a safe, nurturing, and challenging learning environment. This learning environment will promote positive student social, emotional, physical, intellectual, and academic growth. Such growth will be in accordance with individual needs, interests, talents and abilities.

Needs Assessment

Analysis of Assessment Data

All schools include an analysis of SAT9 assessment data in preschool planning. This results in a plan to address needs in their school improvement plan. Identified curriculum needs that might be better addressed with technology include reading and vocabulary development. Staff development is needed. Good software is lacking for most curriculum needs in early childhood (K-2). All school plans describe staff development needs or plan to assess needs. A venue to budgeting toward those needs has been discussed with the tech chair and school principal.

Analysis of UCIP

Unified school improvement plans generally indicate that schools intend increased computer technology usage in order to address their identified needs. Several primaries indicate their intention to monitor weekly and monthly compass usage reports. High schools have approached improved usage on a departmental basis. Some plans mention need for improved access.

Technology Infrastructure

All classrooms are networked with just a few small classroom exceptions. One "outside" building need identified at Frankfort Intermediate. Networked classrooms are ethernet and have internet access. T1 exists at all middle and high schools. New routers are being installed. T1 for remaining primary schools is ordered and new routers will be requested.

School Satisfaction Survey

Some communities indicate a desire for improved home/school communication. Web servers might help satisfy this need and will be supported with a successful EdTech grant application for a staff development technology specialist.

OEPA Reports

When non-compliance was found, recommendations were received indicating need to more fully integrate technology into instruction and better support teacher needs for technology staff development.

Facilities Assessment

Several schools are unable to provide computer lab access: New Creek Primary, Burlington Primary. Keyser Middle (700 students) can provide only 125 station lab.

Progress on prior school technology plans.

Schools reported and reviewed progress on plans developed in the prior year. Success was noted and shortfalls are planned to be addressed again where ever the need continued.

Instructional Goal #1

Mineral County Unified Improvement Goal V: All teachers will incorporate technology into instruction in all programs of study to improve student learning. (Online at http://boe.mine.k12.wv.us/Main_page/mission-goals.htm)

Instructional Goal #1, Technology Improvement Objective #1

Staff Development support will be provided to assist teachers toward technology infusion into instruction.

Indicators of Achievement:

Year 1:	A summary of school and county level trainings will be provided. All teachers will have opportunity for technology staff development.
Year 2:	Teachers will demonstrate increased use of technology in instruction through school level teacher documentation or principal evaluation and documentation. Each teacher will be able to demonstrate use of technology in classroom instruction.
Year 3:	Monthly use of technology will focus on student needs as verified by student products, technology curriculum specialist planning documentation or other teacher documentation.

Technology Activity: #1, Instructional Goal #1, Technology Improvement Objective #1

The county Board of Education will support an Edtech grant application, to be combined with local funds for placement of a contracted staff developer for primary and middle school technology support.

Persons Responsible

Tilden Hackworth, Superintendent
Mike Burke

Activity Type

Admin/Support Procedures

No.	Budget Item	Activity Type	Funding Source	Est \$
1	Supplemental Salary	Admin/Support Procedures	Local Levy/Bond	1000.00
			Total:	1000.00

Technology Activity: #2, Instructional Goal #1, Technology Improvement Objective #1

EdTech grant approval will be secured. A job description will be developed and an individual will be

hired through RESA VIII and this individual will be oriented to the new staff development position.

Persons Responsible

RESA VIII
Mike Burke

Activity Type

Professional Development
Content/Tech Integration
Stakeholder Involvement
Innovative Strategies
Admin/Support Procedures

No.	Budget Item	Activity Type	Funding Source	Est\$
1	Contracted Position	Admin/Support Procedures	Ed Tech Formula funds	30121.08
			Local Levy/Bond	12000.00
			Total:	42121.08

Technology Activity:#3, Instructional Goal#1, Technology Improvement Objective#1

Effectiveness of the activity will be evaluated at year end and yearly thereafter to monitor effectiveness of the activity. The technology specialist will provide a portfolio of activities and trainings. Teachers, principals and school tech coordinators will complete effectiveness surveys and help define job task adjustments.

Persons Responsible

Mike Burke

Activity Type

Admin/Support Procedures

No.	Budget Item	Activity Type	Funding Source	Est\$
1	Local data assessment	Admin/Support Procedures	Local Levy/Bond	200.00
			Total:	200.00

Technology Activity:#4, Instructional Goal#1, Technology Improvement Objective#1

Staff development will be provided to Basic skills teachers in support of new software implementations and continued support of other needs as identified.

Persons Responsible

School Principals
County Staff development council.
School and county technology teams.
Mike Burke

ActivityType

ProfessionalDevelopment

StakeholderInvolvement

InnovativeStrategies

Admin/SupportProcedures

No.	BudgetItem	ActivityType	FundingSource	Est\$
1	Basicskillsteachertraining.	ProfessionalDevelopment	BS/CE	6000.00
			Step7	2000.00
			Total:	8000.00
2	SUCCESSteachertraining.	ProfessionalDevelopment	Step7	3000.00
			Total:	3000.00

Instructional Goal #1, Technology Improvement Objective #2

Schools will receive necessary hardware, software, and technical resources to achieve county technology goals.

Indicators of Achievement:

Year 1:	School inventories of hardware and software will demonstrate increased availability with a minimum one computer per ten student ratio. Repair data will demonstrate regular repair.
Year 2:	All teachers will document and demonstrate use of technology.
Year 3:	Teachers will document and demonstrate monthly use of technology.

Technology Activity: #1, Instructional Goal #1, Technology Improvement Objective #2

The County Technology Coordinating Committee will design a plan for allocation of existing funds to all schools.

Persons Responsible

Council Members
Mike Burke

Activity Type

Access
Professional Development
Stakeholder Involvement
Admin/Support Procedures

No.	Budget Item	Activity Type	Funding Source	Est \$
1	Total funds allocated to schools from Basic Skills, ED TECH and SUCCESS.	Access	SUCCESS	130940.00
			BS/CE	88049.00
			Total:	218989.00
2	Funding of repairs, repair personnel, network support, cabling and electronics.	Access	Local Levy/Bond	60000.00
			Total:	60000.00
3	School level support of operational expenses; paper, cartridges and peripherals.	Admin/Support Procedures	Local Levy/Bond	11000.00
			Total:	11000.00

4	ProfessionalDevelopment	Professional Development	BS/CE	2000.00
			Local Levy/Bond	1000.00
			Total:	3000.00

Technology Activity:#2, InstructionalGoal#1,TechnologyImprovementObjective#2

NeedforadditionalsoftwaretoaddressidentifiedneedsatearlygradelevelsK-2willbeaddressed.

PersonsResponsible

Basicskillsschooltechcommittees.
Countytechnologycommittee

ActivityType

Access
ProfessionalDevelopment
Content/TechIntegration
StakeholderInvolvement

No.	BudgetItem	ActivityType	FundingSource	Est\$
1	SoftwarePurchase	Access	LocalLevy/Bond	20000.00
			Total:	20000.00

Technology Activity:#3, InstructionalGoal#1,TechnologyImprovementObjective#2

T1lineswillberequestedwitheratefundinginpreparationforrouterreplacementinprimaryschools.

PersonsResponsible

MikeBurke

ActivityType

Access
Admin/SupportProcedures

No.	BudgetItem	ActivityType	FundingSource	Est\$
1	N/A	Access	NoFunds	0.00
			Total:	0.00

Technology Activity:#4, InstructionalGoal#1,TechnologyImprovementObjective#2

Webserverswillbeutilizedatschoolsforimprovedschoolcommunityinvolvementandincrease communication.Schoolandcountydata,testscores,policiesandprocedures,calendarsofeventsand

staffcontactinformationwillbecomeavailablefromthesesites.

PersonsResponsible

MikeBurke
SchoollevelpersonnelTBA
EdTechSDnewhire.

ActivityType

ProfessionalDevelopment
StakeholderInvolvement
Admin/SupportProcedures

No.	BudgetItem	ActivityType	FundingSource	Est\$
1	ProfessionalDevelopment	ProfessionalDevelopment	LocalLevy/Bond	300.00
			Total:	300.00

Instructional Goal #1, Technology Improvement Objective #3

Technology will be implemented into instruction in order to improve teaching and learning.

Indicators of Achievement:

Year 1:	Teachers will understand the state and county goals for utilization of technology in instruction. Skill assessments will outline individual needs for training, and multiple opportunity will be provided.
Year 2:	Use of technology in classroom instruction will be documented or otherwise demonstrated. Staff training opportunities will continue.
Year 3:	Monthly use of technology in classroom instruction will be documented or otherwise demonstrated. Staff training opportunities will continue.

Technology Activity: #1, Instructional Goal #1, Technology Improvement Objective #3

School technology plans will reflect a long range vision for technology implementation and a short term implementation request.

Persons Responsible

School Tech Teams
 Mike Burke
 School Principals

Activity Type

Access
 Professional Development
 Content/Tech Integration
 Stakeholder Involvement
 Innovative Strategies
 Admin/Support Procedures

No.	Budget Item	Activity Type	Funding Source	Est \$
1	Technology team training.	Professional Development	Step 7	500.00
			Total:	500.00

Technology Activity: #2, Instructional Goal #1, Technology Improvement Objective #3

The county and school technology plans will reflect a plan for staff development that will include: training needs, trainer needs, a request for county support, and related requests that may be addressed by the staff development council.

Persons Responsible

School Tech teams
Mike Burke

Activity Type

Access
Professional Development
Content/Tech Integration
Stakeholder Involvement
Admin/Support Procedures

No.	Budget Item	Activity Type	Funding Source	Est \$
1	500.00	Professional Development	Step 7	500.00
			Total:	500.00

Technology Activity: #3, Instructional Goal #1, Technology Improvement Objective #3

School technology teams will work with a newly hired technology specialist to identify specific training needs and curriculum areas for technology focus. Classroom teachers will examine needs of their individual students.

Persons Responsible

School tech teams
Classroom teachers
County technology specialist
School Principals

Activity Type

Professional Development
Content/Tech Integration
Stakeholder Involvement
Innovative Strategies
Admin/Support Procedures

No.	Budget Item	Activity Type	Funding Source	Est \$
1	N/A	Professional Development	No funds	0.00
			Total:	0.00
2	N/A	Innovative Strategies	No funds	0.00
			Total:	0.00
3	N/A	Content/Tech Integration	No Funds	0.00
			Total:	0.00
4	N/A	Stakeholder Involvement	No funds	0.00
			Total:	0.00
5	N/A	Admin/Support Procedures	No funds	0.00
			Total:	0.00

Technology Activity:#4, InstructionalGoal#1,TechnologyImprovementObjective#3

Schooltechnologyplanswillreflectconsideration,andimplementationwhereappropriate,ofthe curriculumoptionsofferedthroughdistancelearningandtheWVvirtualschool.

PersonsResponsible

Schoolprincipal/virtualschoolcoordinator.
MikeBurke

ActivityType

ProfessionalDevelopment
Content/TechIntegration
InnovativeStrategies

No.	BudgetItem	ActivityType	FundingSource	Est\$
1	N/A	ProfessionalDevelopment	Nofunds	0.00
			Total:	0.00
2	Staffdevelopmentforimplementation.	Content/TechIntegration	Step7	500.00
			Total:	500.00
3	Coursepurchase.	Access	WVVirtualSchool	2000.00
			Total:	2000.00

Technology Activity:#5, InstructionalGoal#1,TechnologyImprovementObjective#3

Schooltechnologyteamswillidentify,planavailabilityandcoordinateinstructionthroughtechnology programsincollaborationwithadultliteracyproviders.Fiveheadstartsiteshaveadultliteracyprograms inoperationthatcanutilizetechnology.Otheradultprogramsareprovidedatschoolsitesthroughadult vocationalprograms.AcountyadultcoordinatoralsoteachsliteracyandLEPLanguageclassesto adultsasneeded.Allcanbenefitfromavailabletechnology.

PersonsResponsible

Schoolprincipalsandtechnologyteams.

ActivityType

Access
Content/TechIntegration
Admin/SupportProcedures

No.	BudgetItem	ActivityType	FundingSource	Est\$
1	Nocost.	Access	LocalLevy/Bond	0.00
			Total:	0.00

PoliciesandProcedures

DoyouhaveanAcceptableUsePolicy?
yes

Ifyes,whatisthelastdateofadoption/revision?
04/16/2002

WhenwasthepublicmeetingheldforCIPACompliance?
04/12/2002

ProvidetheURLtoyouracceptableusepolicy.
boe.mine.k12.wv.us