



Carbon County School District #2  
PO Box 1530  
Saratoga, WY 82331

Superintendent: Robert Gates

District Technology Plan  
July 1, 2011-June 30, 2014

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Board Adopted: November 15, 2010

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## **Vision Statement**

Carbon County School District No. 2 will use technology in an integrated multidisciplinary approach to enhance educational opportunities and improve communication in order to achieve the mission of the District.

## **District Mission Statement**

The mission of Carbon County School District No. 2 is to empower all students to succeed in a changing world. To achieve this mission, the school community commits to developing positive contributing citizens who value themselves and are life-long learners. The District will provide the opportunity for every learner to develop:

- skills in academic disciplines including communication, mathematics, and the social and natural sciences;
- skills in thinking, reasoning, and processing information;
- an appreciation for the fine arts;
- sound physical and mental health;
- skills for coping with change;
- skills and values for perpetuating ethical and civil behavior;
- skills and values necessary to consider and respect the needs and wants of others.

The school community of Carbon County School District No. 2 believes that all students can learn—success breeds success—and that we control the conditions for success. Learning must take place in a safe, nurturing environment that recognizes the diversity of individuals, encourages creativity, and ensures equity for all.

(This mission statement guides us as we make decisions on all aspects of our schools, including curriculum, programs, technology, etc.)

## Introduction

Carbon County SD #2 serves the educational needs of about 700 students each year. The district is comprised of five (5) communities; Medicine Bow, Elk Mountain, Hanna, Saratoga, and Encampment; a total of 4000 square miles. The District employs about 200 people who strive to make education a positive experience for young people. The certified staff includes dedicated professionals, and classified staff work as secretaries, custodians, aides, cooks, and bus drivers.

Since the late 1970's technology has played an integral part in the District curriculum. Computers and other technologies were purchased through individual building budgets, grants, and private donations. A Technology Committee was assembled to create a computer curriculum. In an attempt to integrate technology into the core curriculum standards that had been developed, a Technology Committee was assembled to establish a Technology Plan for the District.

The original Technology Plan was developed through sessions that consisted of presentations and collaborative/participatory processes involving staff, administrators, business leaders, and other community members who comprised the Technology Committee. The members of the Technology Committee worked together for five years to formulate the first Technology Plan. The Technology Committee is committed to continue its evaluation of technological innovation in terms of its contribution to the creation and maintenance of our learning communities.

Carbon County SD #2 believes technology plays an integral part in teaching and learning. Staff and students use technology tools and resources to engage students and promote higher-level thinking. Technology is ever changing how instruction is delivered. Carbon County SD #2 strives to ensure technology is functioning and that students and staff have the support they need to apply technology skills for integration into everyday life.

**Technology Planning Committee**

The Carbon County SD #2 planning process incorporates a variety of constituents through their participation in numerous groups that provide guidance and feedback regarding the acquisition and use of technology. These constituents include the Technology Committee, Building Administration, Central Administration, Board of Trustees, Career Technology Education, Special Education, and Consolidated Grant.

**Technology Committee**

<b>District Technology Committee</b> <i>(members may change during cycle)</i>			
<i>School/Department</i>	<i>Member</i>	<i>Role</i>	<i>Technology Plan Responsibilities</i>
Teachers	Mark Shipp--SES Nancy Munsinger— HEM Zack Scott—HES Shelly Cooper—MBS Phyllis McKee—EMS	Advises on classroom needs	Advises in the planning, implementation and evaluation of goals
Librarians	Rick Martin—ENC Pat Taylor—SMHS	Advises on school / library needs	Advises in the planning, implementation and evaluation of goals
Assistant Tech. Coordinator / Parent	Andi Ward	Advises on parent needs	Advises in the planning, implementation and evaluation of goals
Technology Coordinator	Janet Buchholz	Chairman— advises on district needs	Advises in the planning, implementation and evaluation of goals
All Principals	See list below		

<b>District Administration</b> <i>(members may change during cycle)</i>			
<i>School / Department</i>	<i>Member</i>	<i>Role</i>	<i>Technology Plan Responsibilities</i>
Superintendent	Robert Gates	Advise/review Consolidated Grant, Technology Planning, and Career Technology Education planning	Advises in the planning, implementation, and evaluation of goals / takes to school board
Principals	Larry Uhling Monty Talkington Dale Kari Dave Rangitsch Mike Erickson	Advise/review Technology Planning, Career Technology Education planning and curriculum integration	Advises in the planning, implementation, and evaluation of goals
Special Education	Debra Riker Carrie Craig	Advise/review Consolidated Grant, Technology Planning, and Career Technology Education planning	Advises in the planning, implementation, and evaluation of goals in relationship to special needs students
Instructional Facilitators	Debbie Gaines Cathy McAtee	Advise/review Consolidated Grant, Technology Planning, and Career Technology Education planning	Advises in the planning, implementation, and evaluation of goals related to school improvement for Reading, Writing, and Mathematics

**Technology Planning Committee and Partnership Involvement**

Carbon County SD #2 has maintained partnerships in which many groups are represented in the planning of technology as well as school improvement. We gather their support in many ways. We have building technology facilitators at each of our schools. These partnerships also help us to better meet the needs of our communities in the growing need for computer and technology literacy in the workplace. They assist us in ensuring that workplace technologies are included within the District Technology Plan. Job shadowing is a prime example of how students have the opportunity to see how their technology skills may be used in a real-life setting. In addition, partners provide hardware and software which enhance critical thinking skills and provide teachers with tools to improve correctives and enrichments for students. They also assist in

maintaining infrastructure goals, activities, and the acquisition and integration of technology into the schools.

<b>**Required Constituency Members</b>		
<b><i>Group Represented</i></b>	<b><i>Name of Participant</i></b>	<b><i>Participation in Plan</i></b>
Parents/Guardians	Andi Ward Jennifer Clutter Willis Williams Stacey Jarrett Jennifer Bowen Jill Weatherd	Advise/review Consolidated Grant, Technology Planning, and Career Technical Education planning through District Advisory meetings
Students	Matthew Jarrett Shana Ward	Advise/review Consolidated Grant, Technology Planning, and Career Technical Education planning through District Advisory meetings
Charter School	Debra Riker--The district has no charter schools, therefore Debra was appointed to represent potential Charter school interests	Advise/review Consolidated Grant, Technology Planning, and Career Technical Education planning through District Advisory meetings
Private Schools	Debra Riker--The district has no charter schools, therefore Debra was appointed to represent potential private school interests	Advise/review Consolidated Grant, Technology Planning, and Career Technical Education planning through District Advisory meetings
Home School	Frank Duzik Linda Dickinson	Advise/review Consolidated Grant, Technology Planning, and Career Technical Education planning through District Advisory meetings
Community-Based Organizations	Ed Forman, Deputy Sheriff and DARE officer Sally Patton, Safe & Drug-Free Schools Cathy McAtee, Elk Mountain Town Council	Advise/review Consolidated Grant, Technology Planning, and Career Technical Education planning through District Advisory meetings
Teachers	Mark Ship Nancy Munsinger Rick Martin	Assists in the implementation and evaluation of goals
Counselor	Pat Cavicchioni Ron Hoopes Lynn Grant	Assists in the implementation and evaluation of goals
Title I Staff	Debbie Gaines Ruth Spenny	Assists in the implementation and evaluation of goals
Principal	Mike Erickson—ENC Larry Uhling—SMHS Dale Kari—HEM Monty Talkington—HES, MBS, EMS	Assists in the implementation and evaluation of goals
Librarians	Pat Taylor--SMHS Rick Martin—ENC	Assists in the implementation and evaluation of goals
Other Partners	Mindy Sutter—Para Professional Brenda Culver—Para Professional Karen Patton-District School Nurse	Assists in the implementation and evaluation of goals

## Evaluation

The Technology Committee, Career Technical (CTE) Committee, and Consolidated Grant Committee have joined forces and meet annually to review the progress made on our technology plan, consolidated grant and CTE. Adjustments are made as necessary to reach our goals. During this review, data is reviewed from various sources. This same data is used in the development of school profiles, the NCA action plan, the staff development plan, consolidated grant and career technical education. Mark Gaines, former principal and Pine Cove Consulting evaluated our plan.

Sources used in this review process include: surveys, administrator observations, committee meetings, PAWS and MAP results, District Assessment results and the purchase/replacement schedule for computers, servers, and switches.

### **STRENGTHS & WEAKNESSES**

Strengths:

- Computer and server rotation schedule
- District Assessments grades 9-12
- Standards Based Report Card grades 9-12
- Providing technology for students with special needs.

Weaknesses:

- Staff development is good, but follow-up support needs improvement.
- We have been able to keep our core switches updated, but the plan needs further development to help keep classroom switches updated.
- Technology Surveys

### **STANDARDIZED ASSESSMENTS**

Carbon County SD #2 PAWS and MAP data are evaluated by curriculum committees. The data is used to help identify student strengths and weakness and provide differentiated instruction and interventions. It also used to adjust goals and activities in our NCA actions plans and school improvement plans. The technology play supports these goals and action plans by providing the necessary tools for improving student learning.

### **LOCAL PERFORMANCE ASSESSMENTS**

Carbon County SD #2 has developed district standards assessments for grades 9-12 along with a Standards Based Report Card. The elementary standards assessments are in the beginning development process. We are also collecting data for comparison and analysis from Star Reader, Star Math, DIBELS, and DRA (Developmental Reading Assessment). This data will be used to help adjust goals and activities in our school improvement plans, NCA action plans, and technology goals.

### **SURVEYS AND RECORDS**

Surveys for parents, teachers, and students help identify needs for hardware, software, professional development, curriculum integration and infrastructure. These surveys include

technology surveys, senior exit survey, staff development survey, and climate surveys. The WDE-584 and 588 surveys help to identify hardware and connectivity needs. Parents have access to student records using our student information system.

### **POLICIES AND PROCEDURES**

The Acceptable Use Policy (AUP)—policy #IHAI-E, along with all district policies are now located at <http://www.crb2.k12.wy.us/policies.htm> . The AUP provides staff and students with clear expectations for the use of technology. Every classroom has at least two computers; we maintain at least one computer lab at each school and have started adding COW carts; donated computers must meet our current specs and software licensing; Carbon County SD #2 is part of the WEN which provides us with a St. Bernard Iprism to filter Internet usage for CIPA compliance and a Cisco Firewall to help with security. This equipment is located at Saratoga Middle/High School (the district aggregation point for the WEN) where our PowerSchool, e-mail, email filter, and web servers are located.

### **CURRICULUM STANDARDS THAT INCLUDES TECHNOLOGY**

Carbon County SD #2 has adopted the Wyoming State Standards, which have technology embedded in them. These help guide decisions on curriculum and technology integration. Technology resources were identified and implemented to create engaging learning opportunities for all students.

### **OUTSIDE EVALUATOR**

Carbon County SD #2 Technology Plan was evaluated by Pine Cove Consulting and Mark Gaines, former district principal.

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## Enhancing Education Through Technology (Title II D) Program Goals

### **Primary Program Goal#1: Improve student achievement through the use of technology in elementary and secondary schools. (Section 2402 (b)(1))**

- Identify and implement technology resources that engage all students in learning.
- Identify and implement technology tools and teaching strategies that promote academic success for all students; including special needs students.
- Maintain an infrastructure that enhances student achievement through equitable access to resources, equipment and data management systems.

### **Program Goal #2: Technology Literacy – ensuring that every student is technologically literate by the time the student finishes the eighth grade regardless of student’s race, ethnicity, gender, family income, geographic location or disability. (Section 2402 (b)(2)(A))**

- Ensure technology and information literacy for all students regardless of a student’s race, ethnicity, gender, family income, geographic location, or disability using the adopted National Educational Technology Standards for students as a framework.
- Utilize distance and virtual-learning opportunities to enhance curriculum and/or provide alternative learning opportunities.
- Ensure equitable access to technology resources and systems for all students, including high-needs high-poverty schools.

### **Program Goal #3: Effective integration of technology resources and systems - encourage effective integration of technology resources and systems with teacher training and curriculum development to establish research – based instructional methods that may be widely implemented as best practices by state educational agencies and local agencies. (Section 2402 (b)(2)(B))**

- Ensure technology and information literacy for all staff through on-going professional development.
- Provide technical assistance that enhances teaching and learning to all staff.

#### **DISTRICT NEEDS AND SUPPORTING DATA**

Committee reviews of assessment data (PAWS, MAP, District Assessments, etc.) indicate the need to improve reading comprehension, writing skills, and mathematics proficiency. These committees include parent advisory groups, curriculum committees, Career/Technical Committee, and Consolidated Grant Committee. Technology goals are used to support research based software and other tools purchased to promote academic success for all students.

#### **SCHOOL IMPROVEMENT PLANS**

All school improvement plans have goals to improve student reading comprehension skills, math problem-solving skills and writing skills using technology. Research based software will be used and will be available to all students , regardless of a student’s race, ethnicity, gender, family income,

geographic location, or disability using the adopted National Educational Technology Standards for students as a framework ([www.iste.org/standards.aspx](http://www.iste.org/standards.aspx)).

**EQUITABILITY OF RESOURCES**

See Primary Goal #1. High-needs, High-poverty schools include Encampment K-12 School, Medicine Bow Elementary, Hanna Elementary, and HEM Jr/Sr High School.

The district continues to work toward the goals specified in our Enhancing Education Through Technology (Title IID) Program Goals which includes using technology to ensure technology literacy for all students regardless of students' race, ethnicity, gender, family income, geographic location or disability.

**PROGRESS AND STATUS OF PREVIOUS PLAN'S GOALS**

See Technology Committee, Required Constituency, Partnerships, and Evaluation sections of this plan.

**PARTNERSHIPS**

Carbon County SD #2 has maintained partnerships in which many groups are represented in the planning of technology as well as school improvement. We gather their support in many ways. We have building technology facilitators at each of our schools.

<b>Partner</b>	<b>Role as Partner</b>	<b>Contribution to Technology Goals</b>
Carbon Power & Light	Local REA	Assist in planning and implementation of technology infrastructure development. They donate Direct TV dishes and programming to all school buildings in the District
BOCES		Provide consultants for curriculum development. Provide consortium for purchase of software
A Bar A Ranch	Local Business	Provides annual rental proceeds from fishing cabin for the purchase and support of technology
The Storer Foundation	Local Foundation	Provides revenue for the purchase and support of technology
Western Wyoming Community College	Higher Education	Provides opportunity for staff development, on-line courses, dual and concurrent college courses for students
Southwest Wyoming Regional Technology Center	Technology Consortium	Provide staff development
Pine Cove Consulting	Technology Consulting Business	Provide professional development, remote monitoring of networks and e-mail, evaluation and recommendation of hardware and software, technical support
ISC, Inc.	Vendor	Provide new technology previews, SmartBoard technologies
Union Telephone	Local Phone Company	Provide phone communications, support for fiber optic network backbone
Platte Valley Medical	Health Care Facility	Provide job shadow, health education
City of Saratoga	Local Government	Provide job shadow

Perue Printing	Local Business	Provide job shadow, hardware, paper, toner, ink
Wyoming Dept. of Education	State Governing Body	Provide infrastructure services, training, final technology plan approval
Saratoga Sun	Local Newspaper	Provide job shadow, local news coverage
Rawlins Daily Times	Newspaper	Provide local news coverage
Wyoming Aliance for Arts in Education	National Endowment for the Arts	Provides revenue for the purchase and support of technology
Phoenix Learning	Student Information System Consultant	Provides PowerSchool support
Implementation Vendors: <ul style="list-style-type: none"> <li>• Renaissance Learning</li> <li>• Novell</li> <li>• Microsoft</li> <li>• Sophos</li> <li>• PowerSchool</li> <li>• Cisco</li> <li>• Broderbound</li> <li>• Smart Technologies</li> <li>• Hewlett Packard</li> <li>• Plato</li> <li>• Faronics</li> <li>• Adobe</li> </ul>	Business/Vendors	Provide software, hardware, training, technical support, etc.

## Curriculum Integration

Narrative

Goal #1  
 Goal #2

### CHANGE AND GROWTH FROM PREVIOUS PLAN

Carbon County SD #2 staff and students have increased their ability to use district technology to enhance teaching and learning. Because the WEdGate project was dropped by the Wyoming Department of Education, we focused on using Renaissance Place, Distance Education, and new reading and math programs to focus on school improvement plans to improve students reading comprehension skills, math problem-solving skills, and student writing skills. The addition of a Math Instructional Facilitator and Reading Instructional Facilitator greatly helped in implementing our goals in math and reading.

### STRENGTHS AND WEAKNESSES FROM PREVIOUS PLAN

Strengths:

- Integration of Renaissance Place software and other math and reading programs helped us to do a better job of progress monitoring and identifying student weaknesses
- Distance Education--dual and concurrent enrollment in Western Wyoming Community College has helped improve course offerings
- Providing technology for students with special needs.

Weaknesses:

- Staff development is adequate, but follow-up support needs improvement.
- We have been able to keep our core switches updated, but the plan needs further development to help keep classroom switches updated
- Inadequate state and federal funding makes access to resources challenging. Carbon County SD #2 has a high demand for bandwidth to deliver services required by staff and students. Currently, this demand is not being met.

### EVALUATION ENSURING TECHNOLOGY INTEGRATION

District committees which consist of parents, business, teachers, staff, and administration evaluate various district surveys used to address, support, and aide in the integration of technology into the curriculum. Along with the district technology survey, technology questions are integrated into staff development surveys and the senior exit survey. Standardized test scores and district assessment scores are also evaluated and used to assess and purchase research based software to assist in individualize student instruction. Thanks to this process the district was able to purchase and implement new reading and math computer based programs and on-line based programs to integrate into the curriculum. This process has also shown us the need for additional bandwidth and we will work with the WDE and local telephone companies to try to solve our bandwidth issues. Survey results of technology oriented questions can be found in the Appendix.

### HIGH-NEED, HIGH POVERTY SCHOOLS

A critical factor in raising student achievement is providing the instructional and financial support to high-need, high poverty schools. All students, regardless of a student's race, ethnicity, gender, family income, geographic location, or disability will have access to technology. In Carbon County SD #2 these schools currently include Encampment K-12 School, Hanna

Elementary School, HEM Jr/Sr High School, and Medicine Bow Elementary School. Technology tools and instructional opportunities are also provided from district and grant funds.

### **TECHNOLOGY LITERACY**

The Title IID Program Goal #1 and #2 are addressed in the Curriculum Integration Action Plan.

The district continues to work toward the goals specified in our Enhancing Education Through Technology (Title IID) Program Goals which includes using technology to improve reading comprehension skills, math problem-solving skills, and 8<sup>th</sup> Grade technology literacy regardless of students' race, ethnicity, gender, family income, geographic location or disability.

This year we purchased Read About, My Reading Coach, Solo, and Ascend Math to help with our school improvement plans and Response To Interventions (RTI) goals for individual student needs. We will continue to build on the use and integration of these products in the next three years.

Technology will be aligned, and implemented in accordance to the District Curriculum Plan. It will be reviewed and adjusted on a yearly basis. As the District Curriculum is implemented, focus will be on monitoring instruction, studying the results of assessments, adjusting instruction as needed for student achievement. Evaluation will be collection of information from district assessments, MAP, and PAWS data.

### **PARENT INVOLVEMENT**

Parents serve on various district committees and individual school parent advisory committees to provide guidance and feedback regarding the acquisition and use of technology to meet district curriculum goals.

### **DISTANCE EDUCATION**

Distance education plays an integral role in Carbon County SD #2. Dual enrollment and concurrent enrollment classes with Western Wyoming Community College and Virtual Schools will continue to be a major focus. The District is also joining with Carbon County SD #1 BOCES. The District is working on policy that will help guide the direction and use of distance education.

### **HIGH-NEEDS STUDENTS**

Knowing high needs students need special attention in the learning environment and that the instructors who teach those students require additional support Carbon County SD #2 searched for a technology tool to assist those students. We have purchased the Don Johnson SOLO Literacy Suite and provided teacher training. Solo includes assistive technology accommodations, including a text reader, graphic organizer, talking word processor, and word prediction. SOLO places all of the right tools at student fingertips.

### **EQUITABILITY OF RESOURCES**

All students, regardless of a student's race, ethnicity, gender, family income, geographic location, or disability have access to district technology. The District will monitor inventory, budgets, and input from stakeholders to ensure the equitability of resources.

### **STUDENT TO COMPUTER RATIO**

Carbon County SD #2 currently has a student to computer ratio of 2:1 or better at all schools. Our goal is to get to a 1:1 ratio. However, many factors must be considered to reach this goal. These factors include:

- Total Cost of Ownership
- How does it support student learning
- Infrastructure to support, maintain, and implement
- Is it sustainable

### **ALIGNMENT OT SCHOOL IMPROVEMENT PLAN**

Technology tools and trainings are aligned with School Improvement and Staff Development Plans. Technology professional development is given in support of school improvement goals. In addition, data reported from standardized and local performance assessments at the building level is used to evaluate and align technology with school improvement and staff development. We have been targeting the addition of Interactive Whiteboards in classrooms and to provide teacher training. Staff development plans have also helped us target the need for more continued Powerschool training.

### **ALIGNMENT TO DISTRICT PROFESSIONAL DEVELOPMENT PLAN**

Carbon County SD #2 continues to focus on developing staff training aligned with District needs. Training includes one-to-one, small groups, and independent learning. A survey is conducted yearly to determine need and activities. Staff development is tied to standards assessments and school improvement goals of Mathematics, Reading and Writing. Curriculum maps assist in aligning the curriculum, matching content, instruction and assessments.

### **CURRICULUM INTEGRATION SOFTWARE TOOLS**

- Microsoft Office Professional
- Anti-Virus
- E-Mail
- Spam email filter
- Alpine Achievement
- Deep Freeze
- Renaissance Place
- Read About
- My Reading Coach
- Solo
- Ascend Math
- PowerSchool Support
- Acrobat/Windows Upgrades
- Adobe Premiere
- Dream Weaver
- Lexia
- Kids College
- Adobe Photoshop
- Adobe Premiere

**CURRICULUM INTEGRATION ACTION PLAN**

**REVIEW DATES**

Identified as *Target* in Action Plan

**BENCHMARKS/INDICATORS**

Identified as *Indicators* in Action Plan

**CORRECTION STRATEGIES**

If benchmark growth results are unsatisfactory, research-based interventions will be used to address identified issues.

**ACTIVITY EVALUATION**

Identified as *Measurement Tools* in Action Plan

**Primary program goal #1:** Improve student achievement through the use of technology in elementary and secondary schools. (*Section 2402 (b)(1)*)

Action Steps	<ol style="list-style-type: none"> <li>1. Identify and implement technology resources that engage all students in learning</li> <li>2. Identify and implement technology tools and teaching strategies that promote academic success for all students; including special needs students</li> <li>3. Maintain an infrastructure that enhances student achievement through equitable access to resources and equipment and data management systems</li> </ol>
Indicators	<ul style="list-style-type: none"> <li>• Standardized Assessments show growth</li> <li>• Surveys and Records indicate implementation and support needs being met</li> <li>• Total Cost of Ownership data shows we have an adequate infrastructure</li> </ul>
Baseline Target	<p>August 2011</p> <ul style="list-style-type: none"> <li>• Staff Development/Curriculum Plan will be implemented and integrated into the classroom</li> <li>• Students will be tiered using data. New software for RTI will be implemented and integrated into the classroom directed at student individual learning plans</li> <li>• Year one Hardware and Infrastructure Plan will be deployed</li> <li>• New teachers will be provided basic training on District networks, email, powerschool, and policy</li> </ul>
Target	<p>August 2012</p> <ul style="list-style-type: none"> <li>• Staff Development/Curriculum Plans will be reviewed, adjusted, and continue being used in the classroom</li> <li>• Response to Intervention software will be reviewed; adjusted and follow-up training will be planned if needed. Data will be used to tier students for individual learning plans</li> <li>• Year two of Hardware and Infrastructure Plan will be deployed</li> <li>• New teachers will be provided basic training on District networks, email, powerschool, and policy</li> </ul>
Target	<p>August 2013</p> <ul style="list-style-type: none"> <li>• Review Staff Development/Curriculum Plans will be reviewed, adjusted, and continue being used in the classroom</li> <li>• Response to Intervention software will be reviewed, adjusted and follow-up training will be planned if needed. Data will be used to tier students for individual learning plans</li> <li>• Year three of Hardware and Infrastructure Plan will be deployed</li> </ul>

	<ul style="list-style-type: none"> <li>• New teachers will be provided basic training on District networks, email, powerschool, and policy</li> </ul>
Measurement Tools	<ul style="list-style-type: none"> <li>• Standardized Assessments</li> <li>• District Surveys</li> <li>• Curriculum Integration</li> <li>• Inventory</li> </ul>
Person(s) Responsible	<ol style="list-style-type: none"> <li>1. Robert Gates, Superintendent</li> <li>2. Debra Riker, Special Education Director</li> <li>3. Janet Buchholz, Technology Coordinator</li> <li>4. All District Principals</li> <li>5. Sally Wells, District Business Manager</li> </ol>
Estimated Cost/Budget	\$100,000.00 Annually
Funding Source(s)	<ol style="list-style-type: none"> <li>1. General Funds</li> <li>2. Grants</li> </ol>

**Primary program goal #2:** Technology Literacy—Ensuring that every student is technologically literate by the time the student finishes the eighth grade regardless of student’s race, ethnicity, gender, family income, geographic location or disability (*Section 2402 (b)(2)(A)*)

Action Steps	<ol style="list-style-type: none"> <li>1. Ensure technology and information literacy for all students regardless of a student’s race, ethnicity, gender, family income, geographic location, or disability using the adopted National Education Technology Standards for students as a framework</li> <li>2. Utilize distance and virtual-learning to enhance curriculum and/or provide alternative learning opportunities based on District Policy</li> <li>3. Ensure equitable access to technology resources and systems for all students, including high-needs, high-poverty schools</li> </ol>
Indicators	<ul style="list-style-type: none"> <li>• Increase in percentage of students who are technology literate</li> <li>• Distance learning and Virtual School data</li> </ul>
Baseline Target	<p>August 2011</p> <ul style="list-style-type: none"> <li>• Yearly increase in percentage of students who are technology literate</li> <li>• Distance Education with Western Wyoming Community College (WWCC) available to all 11-12 grade students</li> <li>• MOU with Carbon County SD #1 and WWCC for BOCES</li> <li>• Policy in place for Virtual Learning, Dual Credit</li> <li>• Virtual School available to any interested student grades K-12</li> <li>• Adjust and implement technology curriculum and infrastructure as defined by District Curriculum Plan and Infrastructure and Connectivity Plan</li> </ul>
Target	<p>August 2012</p> <ul style="list-style-type: none"> <li>• Evaluate and adjust as needed to increase in percentage of students who are technology literate</li> <li>• Distance Education with Western Wyoming Community College available to all 11-12 grade students</li> <li>• Virtual School available to any interested student grades K-12</li> <li>• Adjust and implement technology curriculum and infrastructure as defined by District Curriculum Plan and Infrastructure and Connectivity Plan</li> </ul>
Target	<p>August 2013</p> <ul style="list-style-type: none"> <li>• Evaluate and adjust as needed to increase percentage of students who are technology literate</li> <li>• Distance Education with Western Wyoming Community College available to all 11-12 grade students</li> <li>• Virtual School available to any interested student grades K-12</li> <li>• Adjust and implement technology curriculum and infrastructure as defined by</li> </ul>

Carbon County School District #2  
District Technology Plan 2010

	District Curriculum Plan and Infrastructure and Connectivity Plan
Measurement Tools	<ul style="list-style-type: none"> <li>• Distance Learning and Virtual School data</li> <li>• Body of Evidence reports</li> <li>• Staff Development data</li> </ul>
Person(s) Responsible	<ol style="list-style-type: none"> <li>1. Robert Gates, Superintendent</li> <li>2. Debra Riker, Special Education Director</li> <li>3. Janet Buchholz, Technology Coordinator</li> <li>4. Building Principals</li> <li>5. Sally Wells, Business Manager</li> </ol>
Estimated Cost/Budget	\$100,000.00 annually (cost included with goal #1)
Funding Source(s)	<ol style="list-style-type: none"> <li>1. General Funds</li> <li>2. Grants</li> </ol>

**Professional Development  
Narrative**

Goal #3

**CHANGE AND GROWTH FROM PREVIOUS PLAN**

The district continues its efforts to provide professional development to staff. In the prior plan we focused on providing training for staff on Microsoft Office 2007, using the Internet as an instructional tool, standards-based projects using multimedia presentations, PowerSchool, Renaissance Place, and other tools in our district. Progress was satisfactory, however we have found follow-up training and support are critical to the successful implementation of technology in the classroom. We also added a Reading Instructional Facilitator and a Math Instructional Facilitator who have been instrumental in implementing new software and curriculum for math, reading, and writing district wide.

**STRENGTHS AND WEAKNESSES FROM PREVIOUS PLAN**

**Strengths**

- Integration of district software and focused training by trainer have been successful
- 25% of Title IID funding is allocated to professional development.

**Weaknesses**

- Follow-up training and on-going support are difficult to maintain
- Time restraints for staff to attend training
- Budget restraints in providing funding for additional technology staff and Technology Instructional Facilitator
- Technology Help Desk

**RESOURCE ACCESS AND USE**

The access and use of technology is critical in implementing the use of 21<sup>st</sup> Century Skills for all students and employees. In addition to district level support, special needs students receive supportive technology tools and resources through IDEA Part B funding. Title I students receive supportive technology tools and resources through Title I funding. This enables all programs and students to be supported in a way that supports programs appropriately.

**TECHNOLOGY LITERACY**

The Instructional Facilitators, with the help of the technology department and administrators, provide teachers with the support and professional staff development needed to ensure the successful integration of technology into the curriculum. The use of the National Education Standards for Students further supports student learning. Interactive white boards are being purchased for each classroom and training provided.

**TECHNICAL SUPPORT**

Carbon County SD #2 currently has two full-time district wide employees to help support technology trouble-shooting (Technology Coordinator and Assistant Technology Coordinator). Because of the distance from one end of our district to the other (90 miles) we also pay a stipend

to building technology facilitators (teachers in that school) to assist in trouble-shooting immediate technology issues. The District is in the process of adding a Data position to maintain the student information system, assist in state reporting, and put data together for administrators and teachers to evaluate. This will allow the Technology Coordinator and assistant to spend more time in schools trouble-shooting and maintaining the district infrastructure.

### **POLICIES AND PROCEDURES**

The Acceptable Use Policy must be signed by students and families yearly and by teachers when they enter the District. The Carbon County SD #2 Policies and Procedures can be found on the district web site. [www.crb2.k12.wy.us/policies.htm](http://www.crb2.k12.wy.us/policies.htm) A Google search bar has been added to assist in searching for policies. The Acceptable Use Policy can be found at <http://www.crb2.k12.wy.us/policies/IHAJ-E.pdf>

### **ALIGNMENT TO SCHOOL IMPROVEMENT PLANS**

Technology software and equipment are aligned with School Improvement Plans. Data reported and reviewed by district committees from PAWS, MAP, and District Assessments are used to evaluate the Technology Plan and ensure alignment with school improvement plans. In the next three years we will be targeting math problem-solving skills, reading skills, and writing skills.

### **ALIGNMENT TO PROFESSIONAL DEVELOPMENT PLAN**

The district continues to support training for Powerschool, E-mail communication, Interactive Whiteboards, ISTE standards for teachers, and 21<sup>st</sup> Century Learning Skills. District committees evaluate data from PAWS, MAP, District Assessments and Curriculum Maps to assure the alignment of technology with the Professional Development plan.

## **Professional Development Action Plan**

### **REVIEW DATES**

Identified as *Target* in the Action Plan

### **BENCHMARKS**

Identified as *Indicators* in the Action Plan

### **CORRECTION STRATEGIES**

If benchmark growth results are unsatisfactory, research-based interventions will be used to address identified issues.

### **ACTIVITY EVALUATION**

Identified as *Measurement Tools* in the Action Plan

**Primary program goal #3:** Effective integration of technology resources and systems encourage effective integration of technology resources and systems with teacher training and curriculum development to establish research-based instructional methods that may be widely implemented as best practices by state educational agencies and local agencies. *(Section 2402 (b)(2)(B))*

Action Steps	<ul style="list-style-type: none"> <li>• Ensure technology and information literacy for all staff through on-going professional development.</li> <li>• Provide technical assistance that enhances teaching and learning to all staff.</li> </ul>
Indicators	<ul style="list-style-type: none"> <li>• District Training Records</li> <li>• District Surveys indicating implementation and support needs are met</li> </ul>
Baseline Target	<p>August 2011</p> <ul style="list-style-type: none"> <li>• Teachers will begin implementing 21<sup>st</sup> Century Skills</li> <li>• Interactive whiteboards will be put in classrooms and training will be ongoing</li> <li>• Professional Development activities will be evaluated each year and aligned using research-based instructional methods</li> <li>• Adjust and implement technology curriculum and infrastructure as defined by District Curriculum Plan and Infrastructure and Connectivity Plan</li> </ul>
Target	<p>August 2012</p> <ul style="list-style-type: none"> <li>• Evaluate and adjust as needed to help implement 21<sup>st</sup> Century Skills</li> <li>• Interactive whiteboards will be put in classrooms and training will be ongoing</li> <li>• Professional Development activities will be evaluated each year and aligned using research-based instructional methods</li> <li>• Adjust and implement technology curriculum and infrastructure as defined by District Curriculum Plan and Infrastructure and Connectivity Plan</li> </ul>
Target	<p>August 2013</p> <ul style="list-style-type: none"> <li>• Evaluate and adjust as needed to help implement 21<sup>st</sup> Century Skills</li> <li>• Interactive whiteboards will be in all classrooms and labs and training will be ongoing</li> <li>• Professional Development activities will be evaluated each year and aligned using research-based instructional methods</li> <li>• Adjust and implement technology curriculum and infrastructure as defined by District Curriculum Plan and Infrastructure and Connectivity Plan</li> </ul>
Measurement Tools	<p>District Surveys Teacher Evaluations Staff Development Training Records</p>
Persons(s) Responsible	<ol style="list-style-type: none"> <li>1. Robert Gates, Superintendent</li> <li>2. Debra Riker, Special Education Director</li> <li>3. Janet Buchholz, Technology Coordinator</li> <li>4. Building Principals</li> <li>5. Sally Wells, Business Manager</li> </ol>
Estimated Cost/Budget	\$200,000.00 annually
Funding Source(s)	<ol style="list-style-type: none"> <li>1. General Fund</li> <li>2. Title IID/Title I</li> <li>3. IDEA Part B</li> <li>4. Instructional Facilitator Funding</li> </ol>

## Infrastructure and Connectivity

Narrative

### **CHANGE AND GROWTH FROM PREVIOUS PLAN**

Infrastructure and connectivity is always a major concern for Carbon County SD #2. Funding allocations in the School Foundation model does not have adequate allocations. In the last technology plan we focused on maintaining our computer and server rotation schedules. We were also able to hire another full-time technology person to help trouble-shoot and maintain district technology. The district also concentrated on making sure all software being used was compliant with licensing. Two new schools were built and we focused on training and purchasing activities to take advantage of newer technology tools. The District was also able to add cooling systems in server rooms to all but one building. We also continue to support and use the WEN.

### **STRENGTHS AND WEAKNESSES**

Strengths:

- Computer and server rotation schedule
- Standards Based Report Card grades 9-12
- Providing technology for students with special needs.

Weaknesses:

- We have been able to keep our core switches updated, but the plan needs further development to help keep classroom switches updated.
- Availability of Wireless connections
- Technology Surveys

### **E-RATE/WEN PARTICIPATION**

Our district receives telecommunications, internal connections, and Internet from the Wyoming Equality Network (WEN). The WEN provides connectivity to all our schools by providing private T1 lines to an aggregation point at Saratoga Middle/High School and three T1 lines combined into an IMA group out to the Internet. The WEN is a state mandated and legislatively funded statewide network.

Cost associated to the WEN is based on the number of students as well as the number of schools and type of connectivity. The WEN Infrastructure biennium budget provides for the basic WEN services, and the district pays for any additional services or network enhancements. The cost for these additional enhancements is paid for through our technology budget, general funds, etc. The WEN funding is dependent on legislative funding each biennium. Because of this, the district's responsibility and that of the state may vary from biennium to biennium.

A detailed account of the state and district responsibilities, related to the WEN Infrastructure is located in the budget section of this plan.

The District also applies for additional e-rate funds one to assist with phone bills and additional bandwidth above what the WDE e-rate provides. We will also continue to apply for Part 2 E-Rate funds to assist with keeping our infrastructure and connectivity equipment updated.

### **INFRASTRUCTURE AND CONNECTIVITY**

Carbon County SD #2 is changing its server and computer rotation plan. Currently our building file/policy server operating systems are Novell Netware 6.5. Novell has not kept current with this operating system and, therefore cannot be installed on new servers that have 64 bit system boards. In order to keep up with the changing system requirements, Carbon County SD #2 will replace all school file/policy servers with Windows Server 2008 Standard Edition. We are also applying for E-Rate Part II to add wireless connectivity in the district and to test existing circuits.

### **PROGRAM GOALS**

1. Provide an infrastructure that enhances student achievement through equitable access to resources, equipment, and supports data management systems
2. Provide computer and server replacements to support teaching and learning tools.
3. Provide better technical assistance and expertise in the use of technology resources to enhance teaching and learning

### **PROGRAM OBJECTIVES**

To keep current with new and emerging technology and research based software for school improvement needs, curriculum integration, and staff development the district will plan and implement the following based on the ability to allocate funding in the district budgets e-rate, and grants:

- Windows 7 Operating System on all new computers
- The District currently has 550 computers. Computer Rotation will be maintained at 100 computers a year; we will skip every fifth year for server purchases
  - This is subject to change based on ability to increase district bandwidth and the ability to provide one-to-one computing
- Every five years we will purchase all new file/policy servers with Windows Server Operating System. Servers will have an extended warranty to ensure support over a five year period
- A rotation schedule for District Application Servers will be developed
- A rotation schedule for Core switches and classroom switches will be developed and implemented.
- School backbones are currently fiber at five schools and our two smaller elementary schools are copper.
- A wireless connectivity system will be developed and implemented in each school and our central admin building
- A plan will be developed to move to one-to-one student computer ratio. This plan depends greatly on the ability to purchase more Bandwidth
- More bandwidth will be purchased if budgets allow
- Budgeting for district computers, servers, and switches will remain at the district level in order to maintain the total cost of ownership. We maintain a one in-one out process except in special circumstances
- A help desk system needs to be developed and implemented
- Classrooms will be equipped with interactive whiteboards and a rotation schedule will be developed

- A data position will be created and staffed. This person will be responsible for the student information system, WDE reporting, and other data as required. This will enable the technology coordinator and technology coordinator assistant to spend more time providing support to schools
- Improve technology surveys to better evaluate and adjust technology implementation

### **INTEROPERABILITY**

Carbon County SD #2 uses the Student Interoperability Framework (SIF) to communicate between our student information system and the Wyoming Department of Education.

The District Technology Coordinator reviews all technology purchases to ensure interoperability between systems. The District is also pursuing additional avenues to increase District bandwidth with the assistance of the WDE, local telephone companies, and outside consultants.

### **TECHNICAL SUPPORT**

While personnel employed in the technology department are knowledgeable and have excellent support skills, the work load is always overwhelming. Upgrades to the infrastructure in the District will help reduce the work load and increase satisfaction of teachers, staff, and students.

It is important that a help desk system be put in place in order to better track requests and to ensure a quick response time. Currently we have teachers who also act as the building tech facilitator that take care of small daily issues that arise. If they are unable to solve the problem, they contact the District technology support personnel. All personnel are permitted to send technology questions, concerns, and issues directly to the technology support personnel.

**POLICIES AND PROCEDURES**—The Acceptable Use Policy (AUP)—policy #IHAI-E, along with all district policies are now located at <http://www.crb2.k12.wy.us/policies.htm> . The AUP provides staff and students with clear expectations for the use of technology. Every classroom has at least two computers; we maintain at least one computer lab at each school and have started adding COW carts; donated computers must meet our current specs and software licensing; Carbon County SD #2 is part of the WEN which provides us with an Edgewave Iprism to filter Internet usage for CIPA compliance and a Cisco Firewall to help with security. This equipment is located at Saratoga Middle/High School (the district aggregation point for the WEN) where our PowerSchool, e-mail, email filter, and web servers are located.

All students regardless of race, ethnicity, gender, family income, geographic location, or disability have access to district technology.

### **REPLACEMENT PLAN**

- Computer Replacement: 100 per year skipping every 5<sup>th</sup> year to allow for server rotation (4 of these computers will be held in reserve for emergency replacement throughout the year)
- Server Replacement: 5 year rotation
- Core Switch Rotation: every 10 years
- Classroom Switch Rotation: every 10 years

We will continue to apply for additional e-rate funds to assist in upgrading and maintaining the existing infrastructure.

<b>Replacement Schedule for Computers and Servers—subject to change as needed</b>					
<b>School</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
EMS	Server	0	3	10	2
MBS	Server	0	3	10	2
SES	Server	10	25	10	17
SMHS	Server	26	15	20	21
HES	Server	10	10	17	27
ENC	Server	25	15	17	11
HEM	Server	25	25	12	20
Admin	Server	3	3	3	3

<b>Wireless Implementation and Fiber Checks—subject to e-rate and district budget</b>					
<b>School</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
EMS	This school backbone is copper				Wireless
MBS	This school backbone is copper				Wireless
SES				Both	
SMHS		2011			
HES	This school will be replaced, Capital Facilities plan will determine implementation				
ENC	Both				
HEM			Both		
Admin	This building backbone is copper				Wireless

<b>Switch Replacement Implementation</b>					
<b>School</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
EMS					Core Switch
MBS					Core Switch
SES	CR Switches				
SMHS	CR Switches				
HES	This school will be replaced, Capital Facilities plan will determine implementation				
ENC		CR Switches			
HEM			CR Switches		
Admin				Core Switch	

**OTHER ANNUAL NEEDS**

- Support Contract with Phoenix Learning
- Support Contract with Pine Cove Consulting
- Repairs
- Travel
- Supplies
- Computer Supplies
- Software Licensing
- Anti-virus Licensing
- Content Filter Licensing

## INFRASTRUCTURE AND CONNECTIVITY ACTION PLAN

### REVIEW DATES

Identified as *Target* in Action Plan

### BENCHMARKS

Identified as *Indicators* in Action Plan

### CORRECTION STRATEGIES

If benchmark growth results are unsatisfactory, research-based interventions will be used to address identified issues.

### ACTIVITY EVALUATION

Identified as *Measurement Tools* in Action Plan

Goal	<ul style="list-style-type: none"> <li>• Provide an infrastructure that enhances student achievement through equitable access to resources, equipment, and supports data management systems</li> <li>• Provide server replacements to support teaching and learning tools.</li> <li>• Provide better technical assistance and expertise in the use of technology resources to enhance teaching and learning.</li> </ul>
Program Objectives	<ul style="list-style-type: none"> <li>• Window 7 Operating System on all new computers</li> <li>• The District currently has 550 computers. Computer Rotation will be maintained at 100 computers a year; we will skip every fifth year for server purchases             <ul style="list-style-type: none"> <li>○ This is subject to change based on ability to increase district bandwidth and the ability to provide one-to-one computing</li> </ul> </li> <li>• Every five years we will purchase all new file/policy servers with Windows Server Operating System. Servers will have an extended warranty to ensure support over a five year period</li> <li>• A rotation schedule for District Application Servers will be developed</li> <li>• A rotation schedule for Core switches and classroom switches will be developed and implemented.</li> <li>• School backbones are currently fiber at five schools and our two smaller elementary schools are copper.</li> <li>• A wireless connectivity system will be developed and implemented in each school and our central admin building</li> <li>• A plan will be developed to move to one-to-one student computer ratio. This plan depends greatly on the ability to purchase more Bandwidth</li> <li>• More bandwidth will be purchased if budgets allow</li> <li>• Budgeting for district computers, servers, and switches will remain at the district level in order to maintain the total cost of ownership. We maintain a one in-one out process except in special circumstances</li> </ul>

	<ul style="list-style-type: none"> <li>• A help desk system needs to be developed and implemented</li> <li>• Classrooms will be equipped with interactive whiteboards and a rotation schedule will be developed</li> <li>• A data position will be created and staffed. This person will be responsible for the student information system, WDE reporting, and other data as required. This will enable the technology coordinator and technology coordinator assistant to spend more time providing support to schools</li> <li>• Improve technology surveys to better evaluate and adjust technology implementation</li> </ul>
Indicators	<ul style="list-style-type: none"> <li>• Data Person Hired</li> <li>• Server and Computer Rotation is implemented yearly</li> <li>• Help Desk Implemented</li> <li>• Wireless Implemented</li> <li>• Total Cost of Ownership data indicates appropriate support levels and funding</li> </ul>
Baseline Target	2011 <ul style="list-style-type: none"> <li>• Hire Data Person</li> <li>• Help Desk Plan Developed</li> <li>• Replacement Plans Implemented—See Replacement Plan</li> </ul>
Target	2012 <ul style="list-style-type: none"> <li>• Help Desk Plan Implemented</li> <li>• Replacement Plans Implemented—See Replacement Plan</li> </ul>
Target	2013 <ul style="list-style-type: none"> <li>• Help Desk fully operational</li> <li>• Replacement Plans Implemented—See Replacement Plan</li> </ul>
Measurement Tool(s)	<ul style="list-style-type: none"> <li>• Help Desk statistics</li> <li>• Budget analysis</li> <li>• Switches deployed</li> </ul>
Person(s) Responsible	Robert Gates, Superintendent Debra Riker, Special Education Director Janet Buchholz, Technology Coordinator Sally Wells, Business Manager
Budget	\$450,000.00 Annually
Funding Source	General Funds Grants E-Rate

**BUDGET/INVENTORY ANALYSIS FOR E-RATE COMPONENTS**

**NON-ELIGIBLE REQUIREMENTS TO MEET GOALS – State of Wyoming responsibilities†**

<b>Hardware required:</b>	<b>Current level:</b>	<b>New required:</b>	<b>Budgeted \$:</b>	<b>Source of funds:</b>
Current Level of hardware required to maintain WEN	Same	None	\$45,000	WEN Infrastructure Biennium Budget

<b>Software required:</b>	<b>Current level:</b>	<b>New required:</b>	<b>Budgeted \$:</b>	<b>Source of funds:</b>
Current Level of software required to maintain WEN	Same	None	\$577,600	WEN Infrastructure Biennium Budget
<b>Professional development required:</b>	<b>Current level:</b>	<b>New required:</b>	<b>Budgeted \$:</b>	<b>Source of funds:</b>
WEN Video teacher training, WEdGate Portal training	Some teachers trained to teach on WEN. Some teachers, and other school staff trained on WEdGate portal	Continuing district training for WEN Video use, and teacher training, WEdGate, and distance education/web based teacher training	\$77,500	WEN Distance Education Biennium Budget
<b>Retrofitting required</b>			<b>Budgeted \$:</b>	<b>Source of funds:</b>
None at this time			0	Funding would come from the WEN Infrastructure Biennium Budget
<b>Maintenance required:</b>	<b>Current level:</b>	<b>Location of serviced items:</b>	<b>Budgeted \$:</b>	<b>Source of funds:</b>
Current level needed to maintain the WEN	Basic Yearly Maintenance	H.S. aggregation point, schools throughout district	\$734,397.08	WEN Infrastructure Biennium Budget

† This area is the sole responsibility of the State of Wyoming Department of Education (pertaining to the WEN only). Funding may vary according to legislative approval and funding. All areas under “required” address the basic services provided by the WEN. This level of service is what is necessary to maintain the current level of operation of the WEN. The professional development mentioned in this section represents the professional development focus of the Department of Education.

**DISTRICT TECHNOLOGY DEPARTMENT BUDGET**

The technology budget comes from many sources including general funds, e-rate, grants and donations. The district has hired a consultant to assist with applying for additional Part I E-rate funds to help with phone bills and additional bandwidth. The district is also applying for Part II E-rate funds to help add wireless connectivity to schools and to test the existing infrastructure.

Funding for bandwidth remedy is as follows:

- Immediate: Add additional T1 to outgoing bandwidth and add circuit between SMHS and HEMHS. Monthly cost for approximately 4 months \$1,532.81
- Long-Term proposal:
  - Increase capacity of existing connections to be included with existing cost submitted to E-Rate Priority I through WDE. Monthly cost \$6,549.89
  - Keep additional T1 added to outgoing bandwidth which will be submitted to WDE for re-imbursement from E-Rate Priority I through A & I. Monthly cost \$945.46
  - Add Internet connection with Union Tel submitted to E-Rate Priority I through consultant. Monthly cost @ 80% \$10,161.49
  - Purchase Load Balancer and 2 Ethernet Cards (one time cost) \$2,527.00

A special grant, if approved will be used to assist in using HEM Jr/Sr High as a trial school as we moving to e-books and one-to-one computing.

District Technology Budget	
Salaries and Benefits	170,280.00
Purchased Services	7,000.00
Supplies & Materials	43,300.00
Capital Outlay	3,000.00
<b>Total District Technology Budget</b>	<b>\$223,580.00</b>

Technology Budget Breakdown	
Professional Development	100,000.00
Software / Hardware	450,000.00
Maintenance	50,000.00

## BUDGET/INVENTORY ANALYSIS FOR E-RATE COMPONENTS

The Analysis sheet was prepared in accordance with Section 54.508(b) of the FCC's Rules and Regulations, Chapter 1 of Title 47 of the Code of Federal Regulations

<b>DISTRICT:</b> Carbon County SD #2	<b>FUNDING YEAR:</b> 2011 thru FY 2014
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Prepared by: Janet Buchholz

**Specific E-Rate Service(s) Requested:** Internal connections, Internet, and Telecommunications services. This request is made as part of the Wyoming Administration and Information state consortium application.

**TITLE II D Goal(s) which is/are addressed by the service (either reference to a location within the plan or a brief narrative description:**

State of Wyoming – Wyoming Equality Network (WEN) responsibilities			
<b>Current level/amount of service:</b> All Schools connected by T1 or greater	<b>Level after E-rate request is filled:</b> Same	<b>Budget \$ for State's share (for each charge involved in the service):</b> \$	<b>Planned budget source or line item for each amount:</b> Wyoming Department of Education WEN Infrastructure Biennium Budget

Carbon County SD #2 – Wyoming Equality Network (WEN) responsibilities			
<b>Current level/amount of service:</b> Internet connection for all schools	<b>Level after E-rate requested is filled:</b> Same	<b>Budget \$ for district's share (for each charge involved in the service):</b>	<b>Planned budget source or line item for each amount:</b>

- This budget sheet is designed to represent cost for the Wyoming Equality Network for a biennium budget cycle. The actual dollar amounts provided are based on one year's billing history. The state's share of the budget is subject to change in the next biennium based on legislative funding and cost increase or decrease according to contract amendments and upgrades. Amendments to this budget sheet will be provided when appropriate.

### NON-ELIBIBLE REQUIREMENTS TO MEET GOALS – State of Wyoming responsibilities†

Hardware required:	Current level:	New required:	Budgeted \$:	Source of funds:
Current Level of hardware required to maintain WEN	Same	None	\$	WEN Infrastructure hardware required to maintain WEN

<b>Software required:</b>	<b>Current level:</b>	<b>New required:</b>	<b>Budgeted \$:</b>	<b>Source of funds</b>
Current Level of software required to maintain WEN		None		WEN Infrastructure Biennium Budget

<b>Professional development required:</b>	<b>Current level:</b>	<b>New required:</b>	<b>Budgeted \$:</b>	<b>Source of funds:</b>
WEN Video teacher training, WEdGate Portal training	Some teachers trained to teach on WEN. Some teachers, and other school staff trained on WEdGate portal	Continuing district training for WEN Video use, and teacher training, WEdGate and distance education/web based teacher training.		WEN Distance Education Biennium Budget

<b>Retrofitting required</b>	<b>Budgeted \$:</b>	<b>Source of funds:</b>
None at this time	0	Funding would come from the WEN Infrastructure Biennium Budget

<b>Maintenance required:</b>	<b>Current level:</b>	<b>Location of serviced items:</b>	<b>Budgeted \$:</b>	<b>Source of funds:</b>
Current level needed to maintain the WEN		HS. Aggregation point, schools throughout the district		WEN Infrastructure Biennium Budget

† This area is the sole responsibility of the State of Wyoming Department of Education (pertaining to the WEN only). Funding may vary according to legislative approval and funding. All areas under “required” address the basic services provided by the WEN this level of service is what is necessary to maintain the current level of operation of the WEN. The professional development mentioned in the section represents the professional development focus on the Department of Education.

**NON-ELIGIBLE REQUIREMENTS TO MEET GOALS – District responsibilities\*\***

<b>Hardware required:</b>	<b>Current level:</b>	<b>New required:</b>	<b>Budgeted</b>	<b>Source of funds:</b>
See Tech Plan Infrastructure	<ul style="list-style-type: none"> <li>• Fiber checks</li> <li>• Construction Projects</li> </ul>	<ul style="list-style-type: none"> <li>• Replacement Schedule—ongoing</li> </ul>	\$150,000.00	General Fund E-Rate Grants
<b>Software required:</b>	<b>Current level:</b>	<b>New required:</b>	<b>Budgeted</b>	<b>Source of funds:</b>
MS Office Server OS Email Anti-Virus Spam Filter Powerschool	Up-to-Date	On-going	\$150,000.00	General Fund Grants
<b>Professional development required::</b>	<b>Current level:</b>	<b>New required:</b>	<b>Budgeted</b>	<b>Source of funds:</b>
User of district software	Up-to-Date	On-going	\$100,000.00	General Fund Grants
<b>Maintenance required:</b>	<b>Current level:</b>	<b>New required:</b>	<b>Budgeted</b>	<b>Source of funds:</b>
Servers, switches, computers	Up-to-Date	On-going	\$200,000.00	General Funds E-Rate Grants