Monte Vista School District C-8

ET-IL Plan

Planning to make a difference in how we teach and learn

2013 – 2015 PLANNING CYCLE

February 2012

ET-IL PLAN AUTHORIZATION

Name of School District: Monte Vista School District C-8
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URL for this Technology Plan (if applicable):

http://www.monte.k12.co.us/techcornr/09etil.doc

_X_District hereby assures CIPA compliance as required by E-Rate, Title II-D, and Colorado Accreditation

This ET-IL Plan is the official submission of Monte Vista School District C-8

Signature of Superintendent_____

DATE _____

Signature of ET-IL coordinator_____

DATE _____

2013 ET-IL PLAN

A. **Needs Assessment and Program Infrastructure**
Guiding Questions:

1. *What progress has been made towards meeting needs identified in the previous ET-IL plan?*

   A needs assessment was conducted which included an assessment of our progress on the goals stated in the 2009 ETIL Plan, an assessment of our current telecommunication services, hardware, software and other services needed to improve education services.

   Our ETIL Plan from 2009 had 3 major Goals:

   Goal 1 – Increase staff and student technology and literacy skills.

   Goal 2 – Maintain and improve the quality of technology infrastructure and support throughout the district.

   Goal 3 – Increase technology support

   Surveys and assessments of district personnel and students were conducted to determine proficiencies and comfort with technology as well as their perceived needs and wants regarding how best to increase technological literacy. Discussions amongst the Technology Committee and other pertinent district personnel were held to consider these needs. Additionally, all District 8th Grade Students as well as principals and teachers were formally assessed on their technology proficiency.

   The survey, discussions and assessments have led us to conclude that the level of technological proficiency amongst district staff and students has improved greatly since the 2009 plan was implemented. However, we still have a significant need to provide more staff development around implementing technology in the classroom and curricula as well as adding to our technology course offerings, especially at the secondary school level.

   The challenge we face meeting this goal is a result of the State's education budget cuts and the District's continuing declining enrollment with the corresponding decrease in revenues as well as the increasing demands for costly technology integration at every level. The needs survey provided strong evidence that we must increase staff development in the area of technology literacy and increase student access to technology whether that is 1-1 computer implementation or more computers in the classroom. These concerns have become the highest priorities.

2. *Describe the needs assessment you conducted to develop this ET-IL plan.*
   A brief 15 question survey was developed which addressed the basic educational technology/information literacy concerns and needs our school district faces. These include the effectiveness of our staff development and tech support program, infrastructure, student and staff information literacy, the effectiveness of our Acceptable Use Policies and Web filtering software and the need for additional technology course offerings. The survey was conducted using a free online survey program and was submitted to all district staff and the secondary students via the District's Web site and individual emails with survey links.

3. ***Does your needs assessment(s) include the acquisition of technology and information literacy skills?***
Yes, specific questions about these skills were included.

4. ***Does your needs assessment(s) include the acquisition of other 21st century skills?***
Yes, the questions in the needs assessment were guided by the Framework.

5. ***Are there specific challenges in terms of service delivery that you face because of changes in student achievement or in the demographics of your district population?***
Yes, our district continues to face declining enrollment and the corresponding decrease in revenues. Additionally, we are in our second year on an Improvement Plan. Lastly, many of our students do not have computers and internet access in the home so have less familiarity with technology than their more affluent counter parts.

6. ***List the key results of your needs assessment that will drive your goals, objectives and strategies.***

- **Increasing student access to technology (1-1 implementation, BYOD, more computer labs and computers in the classroom) – over 50% of staff and student survey respondents had this as their first priority.**

- **Increasing teacher training and implementation in the classroom – over 25% of the staff and student respondents had this as a first priority.**

- **Increasing technology course offerings and access to on-line resources – Almost 20% of student and staff survey respondents chose this as their first priority.**

7. ***Describe the current infrastructure and list any upgrades. Include the current and proposed level of service.***

The Monte Vista School District network is comprised of approximately 600 desktop computers, 8 physical servers, 11 virtual servers and a number of network printers. This network is held together by a switch fabric comprised of mostly Cisco brand switches. One Cisco router and one Cisco firewall are used to provide inter-subnet and internet communications. An additional Cisco router is used to provide IP telephony support.   Wireless hot spots are available district wide by the use of Cisco wireless access points.

Most of the District's 600 desktop computers are manufactured by Dell. They are all on a version of Microsoft Windows; mostly Windows 7 or Windows XP. The eight physical servers in use are Dell servers.

Currently, the District has 6 Mbps of Internet bandwidth via a 6 Mbps fiber provided by an ISP. The Internet connection is located at the DELTA Center Building.

The following diagrams show the network layout of each of our buildings. The buildings are connected with fiber. Wireless hot spots are available district wide by the use of Cisco wireless access points.
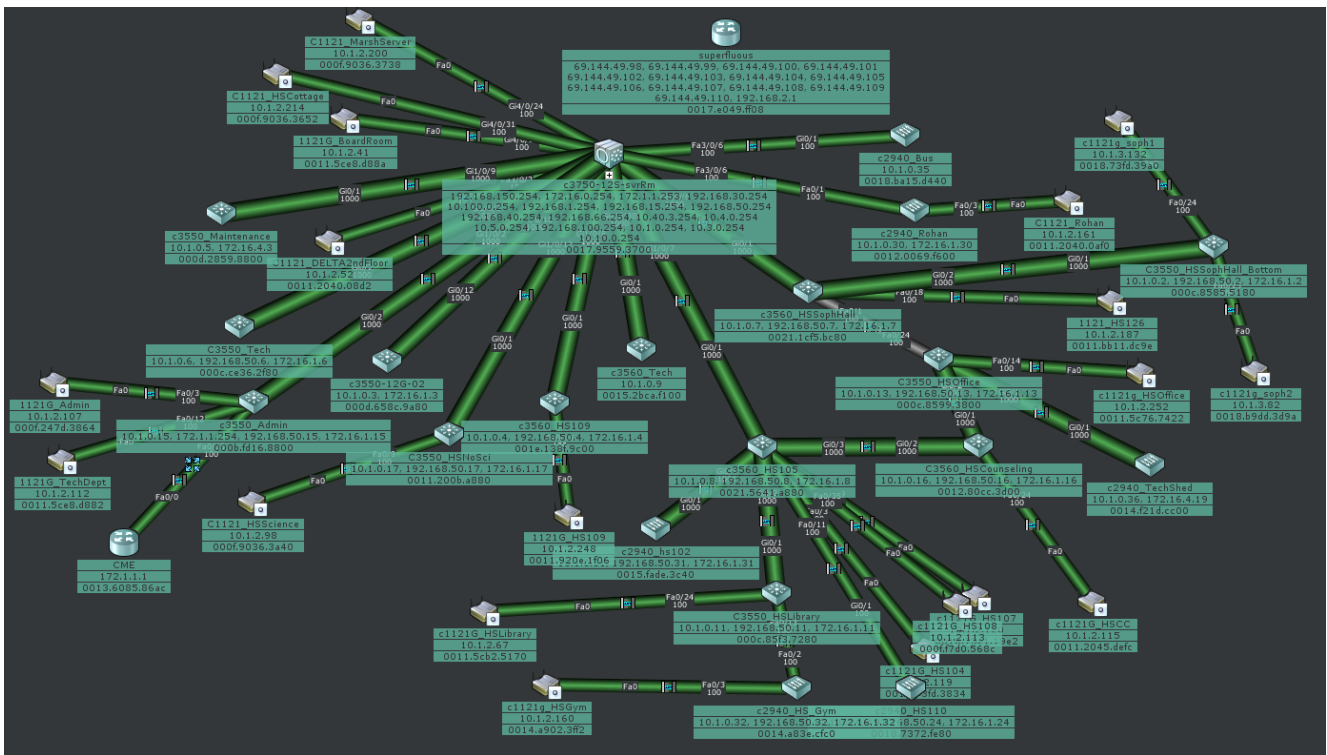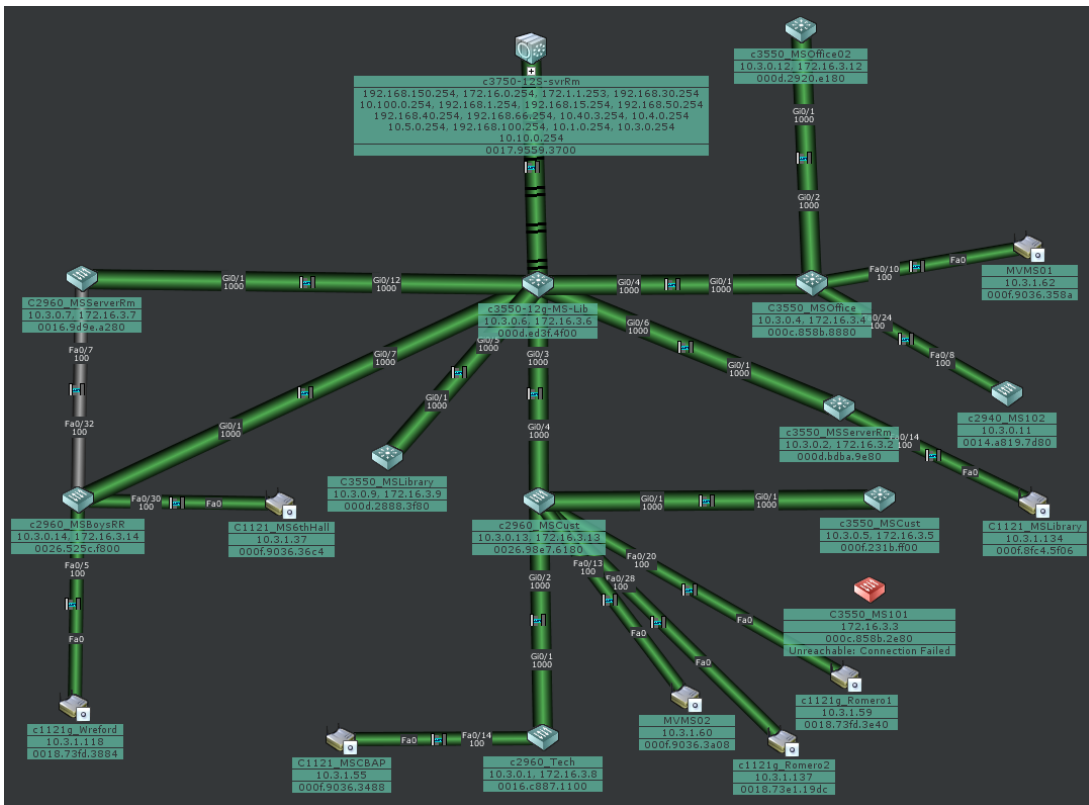

Figure 1: Monte Vista High School Ethernet network.

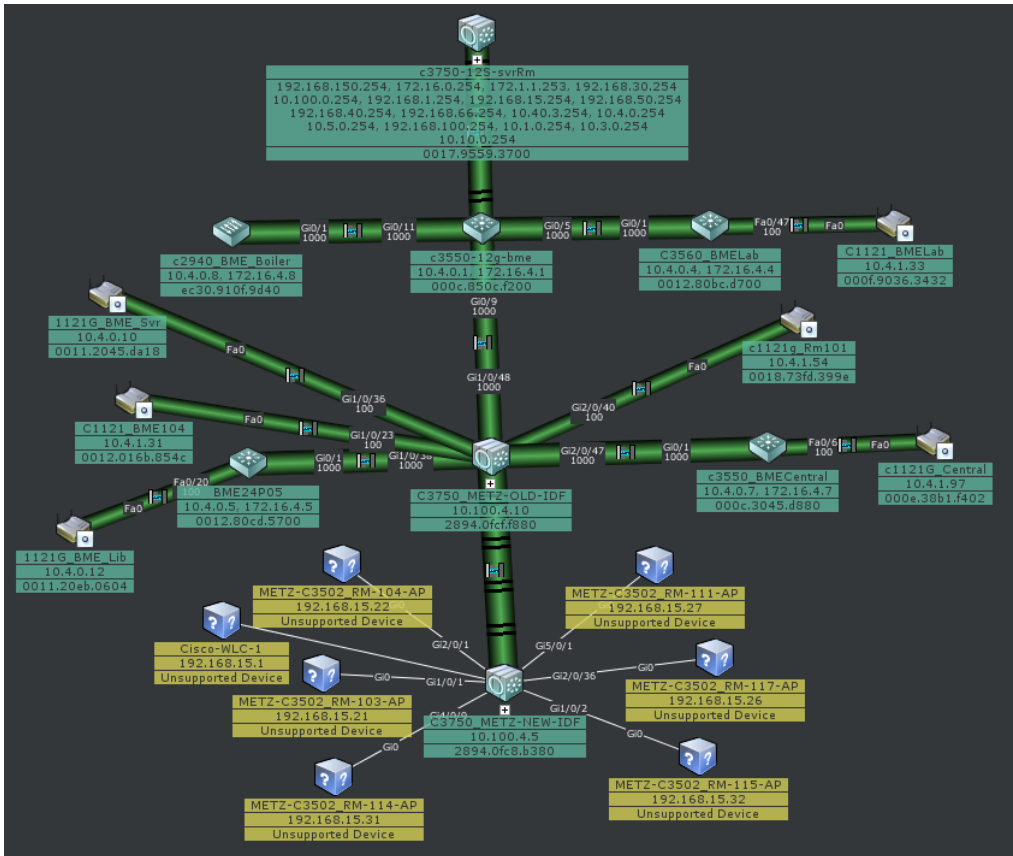
Figure 2: Monte Vista Middle School Ethernet network
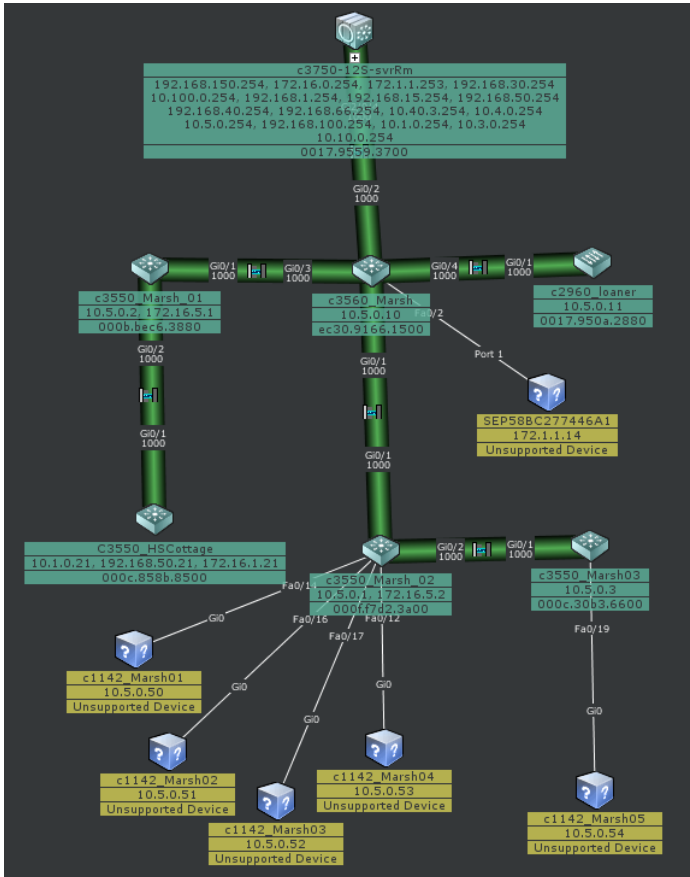
Figure 3:. Bill Metz Elementary Ethernet Network

Figure 4, Marsh Elementary Ethernet Network

B. Goals, Objectives and Strategies for ET-IL

The mission of the Monte Vista School District is to build a safe, student focused, achievement oriented learning community for Everyone. The ETIL goals are directly related to that mission.

The technology committee, district administration, interested teachers, students and involved community members will form the basis of the District Technology Committee and will follow accepted practices and the latest research to insure that the implementation of this plan will meet the changing needs of today's students.

This plan will be provided to the community via the District's website.

The goals, objectives and strategies were developed from data derived from a community wide needs assessment survey.

1) Goal 1 –More student access to personal computing devices

Objective 1: 1-1 laptop/tablet Implementation for secondary students.
Objective 2: Two mobile computer labs per grade level for 4th and 5th grades.
Objective 3: One mobile computer lab per grade level for 1st – 3rd grades.
Objective 4: One mobile computer lab for PK – K

Strategy – Develop a plan to purchase additional computers each year until this ratio is reached using mil-levy override, BE$T Funds, partnerships, grant funds (to be researched) as well as the annual general fund.

Timeline

- 2012 – 2013: Investigate funding sources

- 2013-2014: Purchase three more elementary mobile labs and implement 1-1 for the Middle School. Re-service the functional Middle School mobile lab computers at the elementary school.

- 2014-2015: Purchase three more elementary mobile labs and implement 1-1 at the High School. Re-service the functional High School mobile lab computers at the elementary school.

2) Goal 2 – Provide the tools and training for teachers to have the instructional support in order to improve instruction and student engagement through the implementation of technology in the classroom.

Objective 1: Effective instructional training for classroom device implementation.
Objective 2: Obtain classroom audio amplifiers for every classroom.
Objective 3: Projection devices available for every classroom.

Strategy - Develop a plan to schedule differentiated technology tool-based trainings during staff collaboration days utilizing vendor trainers and mill Levy Override funds.

Timeline

- 2012-2013: Vendor provided PD for all District Staff on classroom audio and projection systems. Start Technology Implementation PD for Middle School and 4th & 5th grade teachers.

- 2013-2015: Continue Technology Implementation PD for Middle School and 4th & 5th grade teachers. Start Technology Implementation PD for High School teachers and K – 3rd grade teachers.

3) Goal 3 – Increase technology support to staff throughout the District.
Objective – provide a tier 1 technician for tech support at each level. (Elementary, middle and high school)

Strategy- Identify, train and offer a stipend to an in-house person in each building using mil-levy override, stimulus grant funds, and other grants (to be researched).

Timeline
- 2012 – 2013: Choose a point person at each level to trouble shoot building computers and act as a go between with District Tech Support. Investigate funding sources to hire new staff for tech support on the 1-1 laptops.
- 2013-2015: Continue to investigate sources for stipends for building level trouble-shooters and for salary of additional tech support person for the 1 – 1 laptops.

C. Professional Development

Goal - Improve the level of technological proficiency of district staff.

Our staff development plan will address improving teacher and staff competence at using multiple technological tools to improve their instruction as well as infusing it as an embedded component of the educational experience.

Strategy 1: Identify, train and pay a stipend to an in-house person in each building using mil-levy override, stimulus grant funds, and other grants (to be researched). This will improve staff access to technology support and provide differentiated, one-on-one and face to face assistance to staff.

Strategy 2: All staff are evaluated based on standards adopted by the Monte Vista School Board. Specifically Standard 1E says:

1. *The school professional demonstrates effective instruction that facilitates and promotes an appropriate learning environment.*

   C. Integrates new information and appropriate technology into the learning environment.

Strategy 3: Dedicate time during Staff Collaboration Days for training on instructional technology implementation and tools. Utilize in-house expertise, vendor trainers and grant paid experts to provide on-site instruction paid for through grants (to be researched) and general fund.

Strategy 4: The district currently has a part time technology professional that maintains a website which has links to a great deal of on-line staff development resources for teachers. This site is available at: http://www.monte.k12.co.us/StaffDevelopment/index.htm

D. Evaluation Plan

On an on-going basis, evaluations will be done pre and post for all staff development activities. Walk-through data will also be collected on technology implementation in the classroom.

On an annual basis, growth of student and staff technology proficiencies will be compared with current baseline levels. Additionally, the ETIL Planning Committee will do a Needs Assessment and Perception of the Goals Implementation Survey of the staff, students and community as well as review the goals set forth in this plan and report to the superintendent the results of the review. The report will describe technology proficiency growth as well as what progress has been made towards the goals, what changes are needed to either support unmet goals or to modify the goals to reflect changes in priorities, budget, curricular needs, statute and regulations. Any goal modifications will be added to the ETIL.