

Technology @ Hanover High School

- **Internet Filter** :: Replaced Internet filter for increased network speed
- **Special Needs** :: Upgraded and increased computer access in each SPED classroom
- **Interactive Whiteboards** :: Purchased and installed 2 PolyVision ēno interactive whiteboards for ELA and science departments
- **Bluetooth Tablets** :: Purchased 2 RM Education tablets; these tablets give teachers mobility within the classroom by allowing them to interact with their computers from anywhere in the room; each tablet comes with RM Education's Easiteach toolbars (science, ELA, math, geography, and more)
- **Computers** :: Replaced 15 end-of-life teacher PCs with upgraded PCs
- **Printers** :: Added 3 networked printers
- **Business Lab** (Room 223) :: Upgraded 28 computers to 20" Intel-based iMacs
- **Graphics Lab** (Room 208) :: Upgraded 27 computers to 20" Intel-based iMacs
- **Math Computer Cart** :: Purchased 16 laptops to upgrade the computer cart to 26 Intel-based computers
- **Storage Network** ::
- **Math Software** :: Upgrade site license of Geometer's SketchPad to latest version; upgraded Fathom (10 licenses) to latest version
- **SmartCarts** :: Installed 2 "SmartCarts"—MacMini & DLP projector
- **Obsolete Equipment** :: Removed all obsolete equipment and sent it to CRTR for environmentally-responsible recycling

Technology @ Cedar Elementary School

- **Server** :: Replaced server and upgraded storage capacity
- **Internet Filter** :: Replaced Internet filter for increased network speed
- **Classroom Computers** :: Replaced eMacs in all grade 1
- **Software** :: Purchase 150 licenses of Reading A to Z and Science A to Z for all elementary teachers
- **STEM Lab** :: Purchased the following: 1 PolyVision ēno interactive whiteboard; 1 RM Education tablet with all toolbars and RM Education's Science Content Pack; 1 Elmo Teacher Presentation Tool; and 5 20" Intel-based iMacs for teacher and student use
- **SmartCarts** :: Installed 3 "SmartCarts"—MacMini & DLP projector
- **Obsolete Equipment** :: Removed all obsolete equipment and sent it to CRTR for environmentally-responsible recycling

Technology @ Hanover Middle School

- **Server** :: Replaced server and upgraded storage capacity
- **Internet Filter** :: Replaced Internet filter for increased network speed
- **Digital Music Lab** :: Replaced 9 aging CRT monitors with energy-efficient LCD panels; upgraded presentation computer to 20" Intel-based iMac; upgraded 2 desktops to Intel-based 17" iMacs
- **Computer** :: Upgraded Spanish classroom computer in preparation for video-conferencing with students in El Salvador and for translating HMS weekly news streams into Spanish
- **Bluetooth Tablets** :: Purchased 8 RM Education tablet for Title I teacher support
- **Specialist Computers** :: Increased the number of computers in all specialist areas; created a mobile laptop cart for SPED remediation
- **Obsolete Equipment** :: Removed all obsolete equipment and sent it to CRTR for environmentally-responsible recycling

Technology @ Center Elementary School

- **Printers** :: Added 1 color and 1 monochrome printer to the network
- **Internet Filter** :: Replaced Internet filter for increased network speed
- **Server** :: Replaced server and upgraded storage capacity
- **SmartCarts** :: Installed 4 "SmartCarts"—MacMini & DLP projector
- **Obsolete Equipment** :: Removed all obsolete equipment and sent it to CRTR for environmentally-responsible recycling

Technology @ Sylvester Elementary School

- **Printers** :: Added 1 color and 1 monochrome printer to the network
- **Internet Filter** :: Replaced Internet filter for increased network speed
- **STEM Lab** :: Purchased the following: 1 PolyVision ēno interactive whiteboard; 1 RM Education tablet with all toolbars and RM Education's Science Content Pack; 1 Elmo Teacher Presentation Tool; and 5 20" Intel-based iMacs for teacher and student use
- **SmartCarts** :: Installed 2 "SmartCarts"—MacMini & DLP projector
- **Software** :: Purchase 150 licenses of Reading A to Z and Science A to Z for all elementary teachers
- **Obsolete Equipment** :: Removed all obsolete equipment and sent it to CRTR for environmentally-responsible recycling

District-wide Technology

"Our mission is to provide superior educational opportunities for all stakeholders through the efficient and innovative use of technology."

There have been a number of technology changes within the district over the summer—and over the last year. Perhaps, the biggest was the ability—through town-wide support for a capital investment—to purchase 78 new, Intel-based iMacs in order to replace our aging computer inventory. With the investment capital, we replaced 2 business labs at the high school and the library lab at Cedar; we also replaced a number of "singleton" computers throughout the district.

Another major change over the past year revolved around increased capacity in our LANs (local area networks). Because there is more and more reliance on the Internet as a source of information and collaboration, we decided that it was necessary to get as much bandwidth as possible within budget while at the same time providing redundancy in the case of one service failing. Thus, we combined business class Verizon and Comcast data services to expand our capabilities. We also moved our web server at Salmond over to Verizon business, which has given us the ability to meet the extreme demands that are being placed on our hardware.

Moodle, a course management system that allows teachers to add online content and threaded discussions to their classes, has been growing in popularity in the district weekly. It is a powerful learning tool as was underscored by 2 high students who commented recently that they were actually pushing their teachers to adopt the platform. We will be delivering scheduled PD at the high school starting immediately.

After a little pushing, Google has given all of our students Google Apps accounts. This will give students access to all Google Apps and to Google's email accounts with complete filtering and archiving built-in for protection. Our goal is to train students for the collaborative world that they will inhabit after graduation.



The **Technology Services Team** consists of:

Michael J. Purdy, *Director of Technology*
John Simmons, *Network Administrator*
Stephen Ryerson, *Webmaster/Technician*
TJ Howes, *Technician*

HANOVER PUBLIC SCHOOLS



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