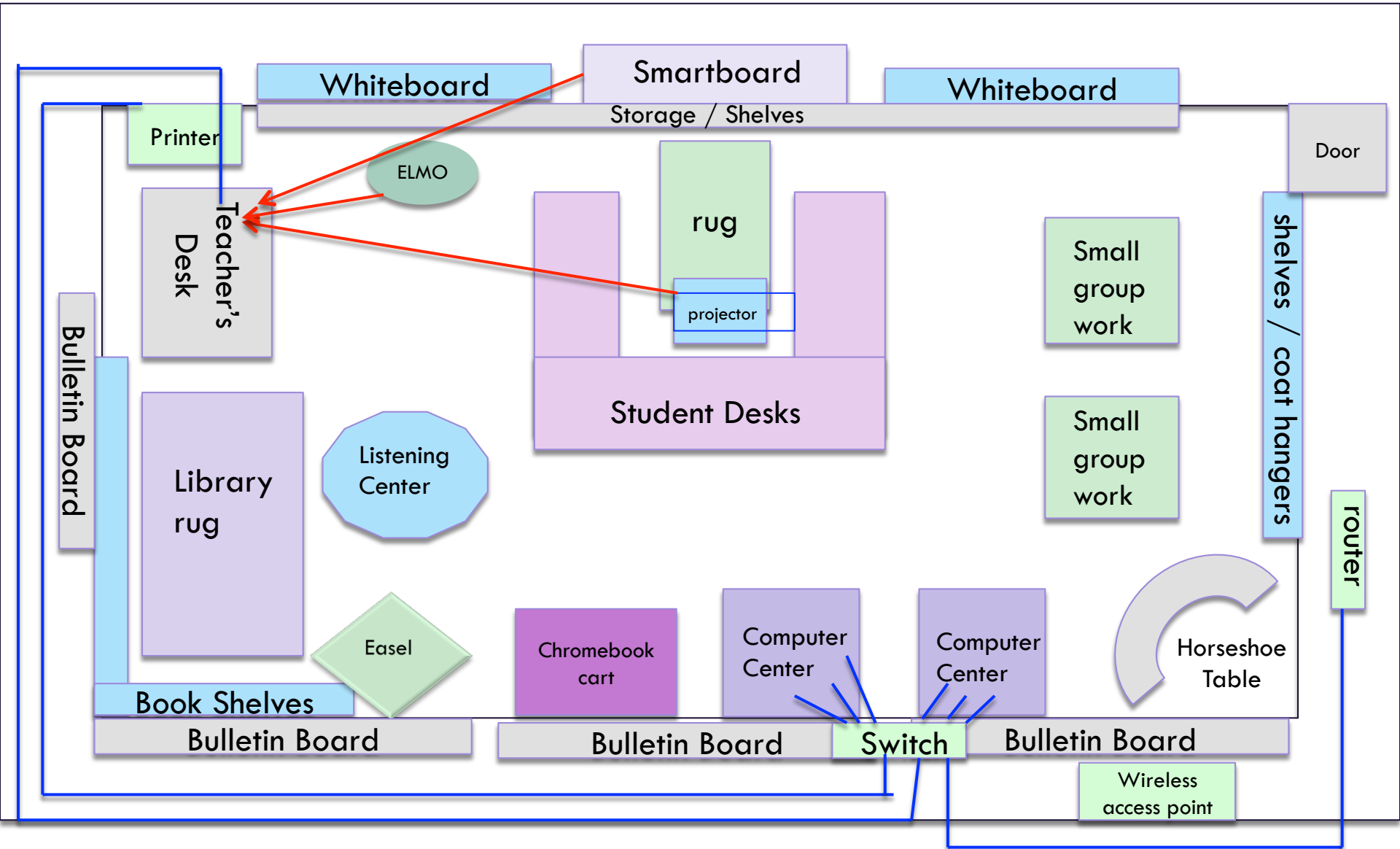


THE IDEAL CLASSROOM SETUP

By Caitlin Jeffas

My Dream Classroom

Ethernet/Network Cables



Hardware – Teacher's Desk

Printer

Teacher's
Desk

- Desktop Computer



- HP Pavilion All-in-One PC (27")

- RAM 12GB, 1TB HD
- With Ethernet cable connects to switch
- **\$1,099.99**

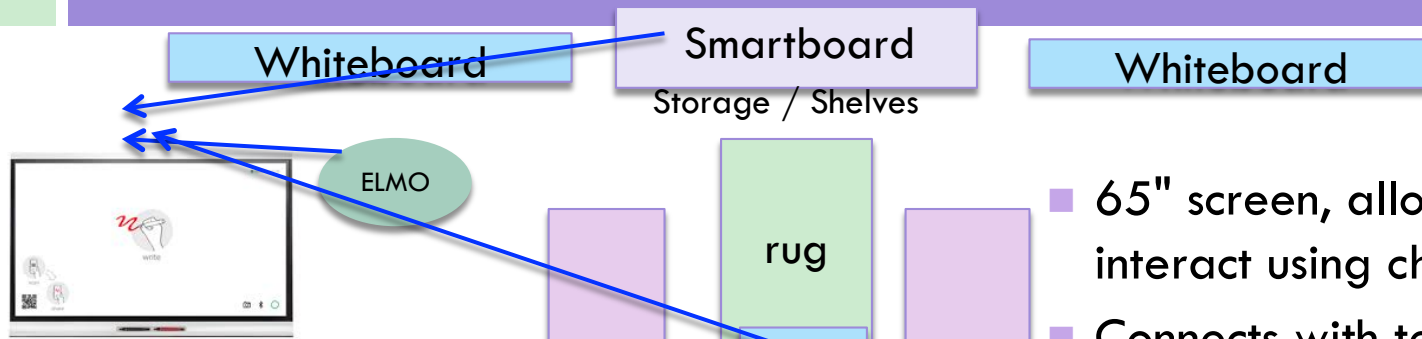
- Printer



- HP Color LaserJet Pro MFP M277dw

- Print, copy, scan, fax, Wireless
- With Ethernet cable connects to switch
- **\$379.99**

Hardware – Front of Classroom



□ Smartboard

- 65" screen, allows students to interact using chromebooks
- Connects with teacher's desktop computer

■ **\$4,999.00**

□ ELMO



- Elmo MO-1 Mobile Document Camera. (demonstration, student work)
- Connects with teacher's desktop computer

■ **\$369.00**

□ Speakers



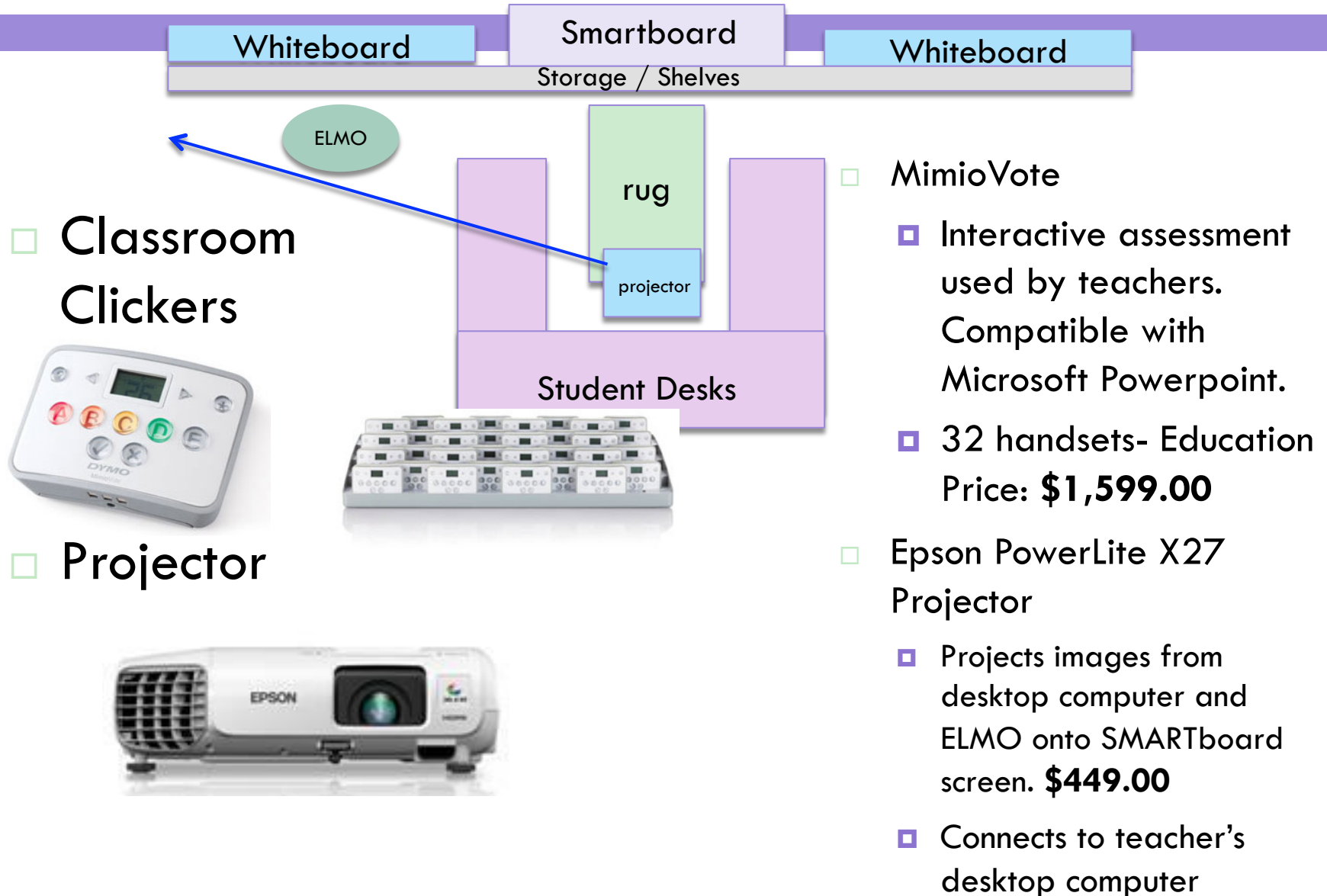
- Insignia™ - 2.0 Stereo Computer Speaker System
 - Allows students to hear across room. **\$14.99**

□ Digital Camera



- Canon - PowerShot ELPH 190 20.0-Megapixel Digital Camera
 - Allows students and teachers to take pictures and record video of lessons. **\$159.99**

Hardware – Front of Classroom cont.



Hardware – Library / Listening Center

□ Listening Center

□ Hamilton Electronics CD/MP3 Listening Center w/ Six MS2L Headphones

□ Allows students to listen and engage in listening activities.

□ CD/MP3 files

□ **\$145.99**



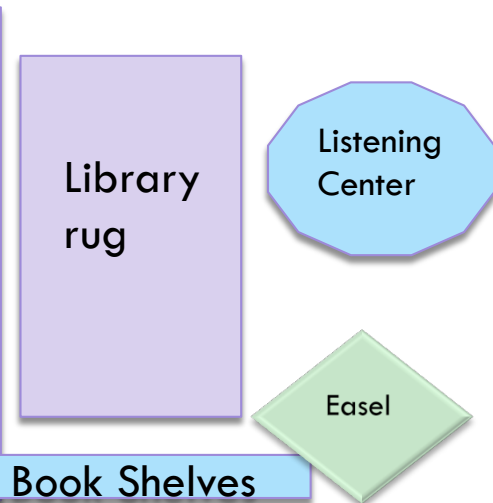
SanDisk - Ultra 64GB USB 3.0 Flash Drive

□ Allows teacher to store MP3s to use for Listening Center

□ Flash drive inputs into Listening Center hardware

□ **\$59.99**

□ Flash Drive



Book Shelves

Library rug

Listening Center

Easel

Hardware – Computer Center

Chromebook
cart

Computer
Center

Computer
Center

- Chromebooks

- ▣ 30 count

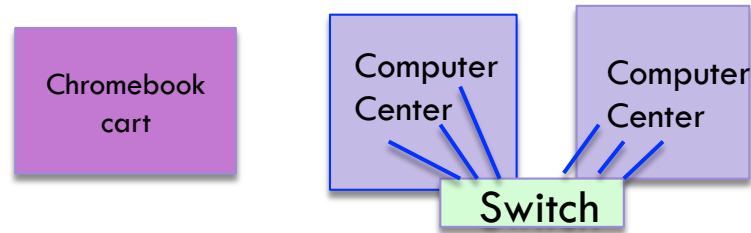


- Chromebook cart
storage

- Acer - 14" Chromebook - Intel Celeron - 4GB Memory - 32GB eMMC Flash Memory
 - ▣ 4GB system memory for basic multitasking, 32GB eMMC flash memory, wireless, built-in virus protection and Google product.
 - ▣ Connect wirelessly to Wireless Access Point
 - ▣ \$299.00 each / 30 - **\$8,970.00**
 - Datamation Systems Inc.- DS-UNIVault-30 Cart
 - ▣ Charges 30 Chromebooks, 3-point locking system
 - ▣ **\$1,575.00**



Hardware- Computer Center cont.



□ Desktops



□ Dell - Inspiron Small Desktop

- Intel Pentium Processor N3700, Windows 10, RAM-4GB, 500GB HD, includes keyboard and mice
- For students to use downloadable programs and software.
- With Ethernet cable connects to switch
- \$429.98 each - X6 - **\$2,579.88**

□ Monitor



□ Dell 22 Monitor – E2216H

- 22” monitors, 1920x1080 Full HD, Wall mounting option, tilt feature.
- Monitor connects to desktop
- \$139.99 each – X6 - **\$839.94**

Hardware- Other

□ Wireless Access Point



□ LINKSYS LAPAC1750 BUSINESS AC1750 DUAL-BAND ACCESS POINT

- Delivers fast wireless technology, simple administration management, supports secure Wi-Fi access, extends wired and wireless ranges, protects and secures wireless network.
- Chromebooks connect wirelessly to access point

■ **\$349.99**

□ Router



□ LINKSYS LRT214 BUSINESS GIGABIT VPN ROUTER

- Provides segmentation between users in different SSIDs/VLANs, easy to deploy and manage the routers without professional help, supports URL filtering and access rules that allow administrator to further regulate the traffic.

- Switch connects to router

■ **\$179.99**

Hardware – Other cont.

□ Switch



- LINKSYS LGS318P 18-PORT BUSINESS GIGABIT SMART SWITCH POE+
 - Prioritizes traffic, ideal for real-time voice and video applications and high bandwidth graphic or video uploads and downloads, assures network integrity, and helps prevent attacks.
 - Switch connects to router
 - Desktop computers and printer connects to switch
 - **\$389.99**
- Insignia - 50' Cat-5e Network Cable

□ Cables



- Connects teacher desktop computer and printer to Switch
- Connects Switch to router
- \$29.99 each – X3 = **\$89.97**
- Insignia™ - 6' Cat-5e Network Cable
 - Connect each computer center desktop computer to Switch
 - \$11.99 each – X6 = **\$71.94**

Software

- Smart Learning Suite



- Mimio Studio



- Microsoft Office



- SMART Notebook (interactive), SMART lab (templates/game based activities), SMART response (student assessment), SMART amp (share work)

 - ▣ **\$129** single teacher for a year

- MimioStudio + MimioMobile Bundle

 - ▣ Student interactive assessment

 - ▣ Perpetual License **\$700**

- Office 365 Education E5

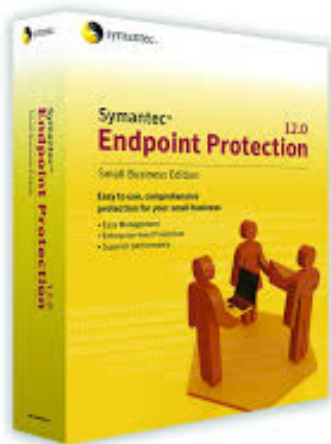
 - ▣ Fully installed Office applications Word, Excel, PowerPoint, Outlook, Publisher, and OneNote on up to 5 PCs or Macs per user, 1 TB online storage per user

 - ▣ 7 computers = 2 Users \$6.00 per user per month

 - ▣ $\$12.00 \times 12 \text{ months} = \mathbf{\$144.00}$

Software- cont.

□ AntiVirus



□ Symantec Endpoint Protection Small Business Edition

□ Simple, fast and effective virus and malware protection for your desktops, laptops and servers

▣ 1 end point \$28.00

▣ 7 endpoints = **\$196.00**

Network Connections

- Your setup internet provider connects to your router
- The Switch and Wireless Access Point both connect with your router
- Your desktop computers and printer all connect to your switch
- The Chromebooks connect wirelessly with the wireless access point
- The ELMO, speakers, and digital camera all input information to the desktop computer
- The SMARTboard and Projector are outputs of the desktop computer

Network Connections cont.



- Classroom clickers interact with software on desktop computer
- Flash drives can connect with all hardware devices and store data
- SMART Learning Suite, Mimio Studio, Microsoft Office, and Symantec Antivirus software are downloaded and used on all desktop computers.

Total Cost

- Total Cost of all Hardware:
 - ▣ **\$24,323.64**
- Total Cost of Software:
 - ▣ **\$1,169.00**
- Total Cost of Ideal Classroom:
 - ▣ **\$25,492.64**