













Peripheral Hardware list – October 3, 2011

System	Comments/Applications	Cost	Additional hardware/software required
Digital Cameras			
<p>Canon PowerShot A800 10.0 Megapixels and a 3.3x Optical Zoom 5-inch LCD screen</p> 	<p>A perfect easy to use camera at a reasonable cost. Resilient for school use. Good inexpensive camera with little bells and whistles</p>	\$ 104	<p>Comes with: AA-size Alkaline Battery (x2), Wrist Strap WS-800, AV Cable AVC-DC300, USB Interface Cable IFC-400PCU, Digital Camera Solution CD-ROM, Consider an 8GB memory card</p>
<p>Canon PowerShot ELPH500 12.1MP CMOS Sensor 4.4x Optical Zoom 24-105mm Lens (Equiv) Improved Low Light/High ISO Photos , Full 1080p HD Video W/Stereo Sound , Hi-Speed Burst Shooting at Up to 8.2fps Slow Motion Movie Mode--240fps , Smart AUTO Has 32 Scene Modes</p> 	<p>Good battery life, Good Low-Light Performance, durable, Bright LCD, Lightweight/Portable, Simple controls/menu, easy to use</p>	\$276	<p>Same as above</p>
“Flip style” Video Cameras			
<p>Flip Video Ultra HD 120 Minutes Recording Time 1280 x 720p High Definition/H.264 MP4 8GB Internal Flash Memory, 1/4.5" HD CMOS Sensor , 2x Digital Zoom, 2" LCD Built-In Flip-Out USB Arm, Flip Video 'AA' Battery Pack HDMI Mini TV Output , Mac and PC Compatible</p> 	<p>Would be the best choice if they do not need an external microphone. The mic on these is internal and works well but some teachers may want an external attachment.</p>	\$129.99	<p>Comes with battery pack and usb cable. May need additional batteries</p>
<p>Kodak Zi10 PlayTouch Video Camera 1920 x 1080p HD Video, 128MB Built-In Flash Memory , SD/SDHC Expansion Slot 5MP CMOS Sensor, 3" Touch Screen LCD Display, Fixed Focus Lens 4x Digital Zoom , Digital Image Stabilization , HDMI Output , 5.3MP Still Image Capture</p> 	<p>Has an external microphone plug if desired</p>	\$110	<p>8 GB minimum memory card must also be purchased Comes with battery pack and usb cable. May need additional batteries</p>



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Projectors A work order must be placed with Plant Services for any projector that is to be permanently mounted.			
<p><i>Epson PL 410W Short Throw & Wall Mount</i></p> 	<p>Standard Classroom Use where permanent mounting is desired. 2000 Lumens (brightness measure), 1280x800 Widescreen & High Resolution, 4000 hour lamp life</p>	\$848.00	<p>This new generation of “short throw” projectors allows mounting to the wall just above the whiteboard or screen, and simplifies the installation process reducing overall cost. Price includes wall mount hardware.</p>
<p><i>NEC NP-M300W (Widescreen 16:9 ratio)</i></p> 	<p>Standard classroom use, portable, on a cart or ceiling mounted. Use if computer has widescreen video capability. 1280x800 Widescreen & High Resolution , 3000 lumens , 5000 hour lamp life (Also for use with SmartBoard IWB 885, 685)</p>	\$809.00	<p>For ceiling mounting, determine whether it is a drop ceiling or solid ceiling. Either will add the cost of additional mounting hardware. Consider a short throw wall mount unit (above). <u>If ceiling mounted: add Projector Mounting Hardware:</u> Hard Ceiling = \$664; OR Drop Ceiling = \$729</p> <p>Ceiling Mounting Total = \$1473 or \$1538</p>
<p><i>NEC NP-M260X (standard 4:3 ratio)</i></p> 	<p>Standard classroom use, portable, on a cart or ceiling mounted 1024x768 resolution, 2600 lumens , 5000 hour lamp life (Also for use with SmartBoard IWB 880, 680)</p>	\$609.00	<p>For ceiling mounting, see NEC above <u>If ceiling mounted: add Projector Mounting Hardware:</u> Hard Ceiling = \$664; OR Drop Ceiling = \$729</p> <p>Ceiling Mounting Total = \$1273 or \$1338</p>
<p><i>NEC NP-215 (standard 4:3 ratio)</i></p> 	<p>Standard classroom use, portable, on a cart. Not recommended for permanent ceiling installation. 1024x768 resolution, 2500 lumens , 3500 hour lamp life</p>	\$480.00	

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Document Cameras			
<p><i>Lumens DC120</i></p> 	<p>Ultra portable ; Powered through the USB with no other power supply to worry about; LED light within camera no added lighting; Video and Audio recording feature with built-in mic *Best choice when sharing these between classrooms, small footprint. Slow for everyday use.</p>	\$329.00	
<p><i>Lumens DC211</i></p> 	<p>High resolution and faster image capture; Large enough to display 2 pages of most books; Manual and digital zoom with autotune; Video and audio recording *Best choice for dedicated classroom, needs room on the desktop and power available.</p>	\$479.00	Uses a power supply in addition to USB plug that comes with the product
<p><i>Lumens DC190</i></p> 	<p>The Lumens™ DC190 Ladibug™ is a high-resolution multimedia document camera that delivers crystal clear SXGA resolution with a powerful 5.5x optical zoom lens. One-touch audio/video recording and playback do not require a computer. A large image shooting area means teachers can share a view of large pages and objects instantly.</p>	\$589.00	
<p><i>Lumens DC265</i></p> 	<p>Works as an add-in to all software; Screen capture, video capture; 6x optical zoom; UXGA ultra high resolution; One touch intergrated audeo and video recording; Seamless integration with interactive whiteboards *Best choice for dedicated classroom of a teacher that needs increased speed,</p>	\$679.00	Uses a power supply in addition to USB plug that comes with the product





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	requires room on the desktop and power available.		
<p><i>Smart Document Camera SDC-330</i></p> 	<p>Works from inside the SMART Notebook software and from outside. *Best choice for dedicated classroom of experienced Smartboard user (there is a document camera button inside the notebook software that only works with this camera) , needs room on the desktop and power available.</p>	<p>\$749.00</p>	
<p><i>Elmo P30S Digital Visual Presenter</i></p> 	<p>Moving and Still Image Capture with Exceptional Detail , Advanced 64x zoom and auto focus, 30 fps for smooth motion display, XGA, SXGA and 720P HD (16:9) resolutions, Clear text mode Built-in 3.5-inch LCD monitor Flexible free-angle camera arm Easy access to primary functions Quick setup, USB 2.0 PC interface SD card-ready,</p>	<p>\$1825.00</p>	<p>Uses a power supply in addition to USB plug that comes with the product</p>





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Printers:			
<i>HP P1102W</i> <i>Black & White, single user</i>	Monochrome USB <u>or wireless</u> connection low cost, light duty inexpensive laser for a single computer More reliable than an inkjet	\$140.00	
<i>HP2035N</i> <i>Black & White, networkable</i>	Monochrome, able to connect to multiple computers through network, moderate duty	\$239	
<i>HP 2055DN</i> <i>Black & White, networkable</i>	Monochrome, duplex, able to connect to multiple computers through network, moderate duty	\$393	
<i>HP 3015X</i> <i>Black & White, networkable</i>	Monochrome, duplex, for lab installations, Heavier duty	\$993	
<i>HP CP1525nw Color, single user</i>	Color – light duty use by one computer	\$225	Note: Color laser printers yield far more pages per toner cartridge than an ink jet printer per ink jet cartridge (laser = ~ 4000 pages per cartridge; ink jet cartridge typically less than 1000 pages per cartridge @ \$35 – 45 each) Color printers require FOUR toner cartridges, which can be \$80 - \$120 each, but the price per page is still lower. Though seemingly inexpensive at time of purchase, color ink jet printers have a high total cost of operation over time.
<i>HP CP2025DN</i> <i>Color, networkable</i>	Color - able to connect to multiple computers through network, duplex, moderate duty	\$492	See note above To help minimize the cost of color printing, it is recommended where possible that one or more color laser networked printers be located centrally; and black & white laser printers be located in individual classrooms.



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Scanners			
<p><i>HP Scan Jet G3110</i></p> 	<p>Basic Quality “Flatbed” Document / Photo Scanner: scan resolution 48 bit color 4800 x 9600 dpi (dots per inch); max page size 8.50 in x 11.6 in; connects to single computer via USB cable; scans one document or photo at a time</p>	\$102.00	
<p><i>HP Scan Jet G4050</i></p> 	<p>Better Quality “Flatbed” Document / Photo Scanner : scan resolution 96-bit color 4800x9600 dpi for higher quality photo images; max page size 8.50 in x 12.25 in; connects to single computer via USB cable; scans one document or photo at a time</p>	\$208.00	
<p><i>HP Scan Jet 5590</i></p> 	<p>Automatic multi-page Document Feeder Scanner: Select ONLY IF multiple page document auto feeder capability is needed; scan resolution 48 bit color but 2400x2400 dpi is lower than either of the other scanners listed; max page size 8.50 in x 11.5 in; connects to single computer via USB cable, more suitable for documents than photos</p>	\$265.00	
Portable Projection Cart			
<p>Includes: NEC NP-115 projector, AV242JE cart, Anchor AN130 speaker, mount for speaker, Chief RPA-u projector mount, JVC DRMV150B DVD/VCR, Extron P/2 DA2, misc cables to connect all equipment, and labor/delivery</p>		\$1,808.00	<p>For use as a portable classroom projection station, this system includes a DVD/VCR player & speaker system, but no computer.</p> <p>For computer data projection, either a separate laptop (not included) may be used; or the projector on this cart may be temporarily connected to the teacher’s existing desktop computer.</p>

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Speakers			
Altec-Lansing VS2621 PC Multimedia system 	For use with Interactive WhiteBoard installations, and <u>for any other computer and / or DVD player, where “classroom filling” sound is needed.</u>	\$49 Includes shipping	
Laptop Cart			
Bretford 24 Unit Laptop Cart LAP24EFR-GM 	Includes lockable cart on 5” wheels, with space for up to 24 laptop computers, electrical connections for charging, laser printer, and wireless access point needed for computer connection to printer and Internet/School Network	\$2001.41	Total cost including accessories and shipping. Laptops NOT included (see Computer Standard Configurations guide)
Netbook Cart			
Datamation DMM-DS-NETVAULT-M-2 	Includes lockable cart on 5” wheels, with space for up to 24 netbook computers, electrical connections for charging, laser printer, and wireless access point needed for computer connection to printer and Internet/School Network	\$1890.90	Total cost including accessories and shipping. Netbooks NOT included (see Computer Standard Configurations guide)
Wireless Remote Control & Laser Pointer			
Kensington Presenter Pro Wireless control with green laser pointer 	Allows remote control of computer for presentations (i.e. Powerpoint); advance slides from anywhere in the room without being at the computer; functions like a computer mouse for most software applications	\$83	Can be used with any computer and projector

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Wireless Remote Control / “Virtual” Interactive WhiteBoard			
<p>Numonics Intellislate</p> 	<p>The Intellislate communicates with the computer through wireless interface that plugs into any USB port on the computer. It allows you to easily control & navigate your computer while roaming the classroom; or input & control may be given to students. Softkeys located across the top of the tablet allow instant access to various Presentation Tools, such as Annotation Pens, Spotlight and Reveal. The software includes Virtual WhiteBoard (VWB) to build lesson plans and capture data and a clip art library with over 6,800 images.</p>	<p>\$330.16</p>	<p>Can be used with any existing computer and projector. If a projector is needed, see above for projector costs, though ceiling mounting is not essential for this device.</p> <p>May be sufficient if all of the features of an actual Interactive WhiteBoard (i.e. “Smartboard”) are not needed. For more detailed info & video, see: http://www.interactivewhiteboards.com/www/interactive_intellislate.htm</p>
<p>Smart Slate WS200-1</p> 	<p>The SMART Slate™ wireless slate brings new possibilities to the classroom, giving you and your students the freedom to interact with digital content from anywhere in the room. As you use the pen to write on the surface of the wireless slate, your handwriting displays on both your computer screen and the SMART Board interactive whiteboard or a projection screen for all to see.</p>	<p>\$349</p>	<p>Can be used with any computer and projector (without a SmartBoard); or as a supplement to an existing SmartBoard.</p> <p>If a projector is needed, see above for projector costs, though ceiling mounting is not essential for this device.</p> <p>As a stand-alone, a Slate may be sufficient if all of the features of an actual Interactive WhiteBoard (i.e. “SmartBoard”) are not needed. For more detailed info & video, see: http://smarttech.com/us/Solutions/Education+Solutions/Products+for+education/Complementary+hardware+products/SMART+Slate</p>