








Computers of the Computer Initiative

An Online Exhibit





Drew University was the first liberal arts college to issue their students a computer, starting in 1984. Here is a glimpse into the history of the Computer Initiative at Drew.

Picture	Name	Year	System Information	Software
	Apple MacBook Pro	2012	Intel Core i7 Processor (2.9 GHz), 8GB DDR3L SDRAM, 13.3" LED-Backlit display, 1280x800, 750GB Serial ATA hard drive, Intel HD Graphics 4000 graphics processor, 720p FaceTime HD webcam, AirPort Extreme wireless, Gigabit wired Ethernet, Firewire 800 port, 2 USB 3.0 ports, Thunderbolt port, and 3 year AppleCare warranty	
	Apple MacBook Air	2012	Intel Core i5 Processor (1.7 GHz), 4GB DDR3L SDRAM, 11.6" TFT LED-Backlit display, 1366x768, Intel HD Graphics 4000 graphics processor, 720p FaceTime HD webcam, 802.11 a/b/g/n WiFi, 2 USB 3.0 ports, Thunderbolt port, and 3 year AppleCare warranty	
	Lenovo ThinkPad L430	2012		
	Lenovo ThinkPad T430s	2012		
	Apple MacBook	2011	Intel Core 2 Duo Processor (2.4 GHz), 2GB DDR3 RAM, 13.3" LED-Backlit display, 1280x800, 250GB HDD, NVIDIA GeForce 320M graphics processor, AirPort Extreme wireless, Gigabit wired Ethernet, 2 USB 2.0 ports, Mini DisplayPort, and 3 year AppleCare warranty	

	Apple MacBook Pro	2011	Intel Core i7 Processor (2.7 GHz), 4GB DDR3 SDRAM, 13.3" LED-Backlit display, 1280x800, 500GB Serial ATA hard drive, Intel HD Graphics 3000 graphics processor, Integrated FaceTime HD webcam, AirPort Extreme wireless, Gigabit wired Ethernet, Firewire 800 port, 2 USB 2.0 ports, Thunderbolt port, and 3 year AppleCare warranty	
	Lenovo ThinkPad L420	2011		
	Lenovo ThinkPad T420s	2011		
	Lenovo ThinkPad L412 (base)	2010	Intel Core i3-330M Processor (2.13 GHz), 4GB DDR2 RAM, 2 DIMMs, 14.0" TFT LED Backlit display, 1366x768, 250GB HDD (5400 RPM), Intel Graphics Media Accelerator HD, Integrated Intel 6200AGN Wireless, 10/100/1000 wired Ethernet, 2.0MP webcam, IEEE 1394 port, 4 USB 2.0, 1 eSATA port, DisplayPort output, and 4 year warranty with ThinkPad Protection for accidental damage coverage	Windows 7 Professional, Microsoft Office 2007, Firefox, F-Prot, Adobe Digital School Collection 2010
	Lenovo ThinkPad T410 (upgrade)	2010	Intel Core i5 540M (2.53-3.06GHz), 4GB DDR3 RAM, 14.1" TFT LED Backlit Display, 1440x900, 320GB HDD (5400 RPM), NVIDIA NVS3100M video graphics with 256MB, Bluetooth, Fingerprint Reader, Intel Centrino Ultimate-N 6300 AGN Wireless, 3 year battery warranty, 10/100/1000 wired Ethernet, 2.0MP webcam, IEEE 1394 port, 4 USB 2.0, 1 eSATA port, DisplayPort output, and 4 year warranty with ThinkPad Protection for accidental damage coverage	Windows 7 Professional, Microsoft Office 2007, Firefox, F-Prot, Adobe Digital School Collection 2010
	Lenovo ThinkPad SL400 (base)	2009	Intel Core2 Duo P8700 CPU, 4GB RAM 14.1 WXGA display, 160GB HDD, Intel 4500MHD graphics, Intel 5100AGN Wireless, HDMI out, 10/100/1000 Wired Ethernet, 8x dual-layer DVD recorder, media card reader, IEEE1394 port, and 4 year warranty with ThinkPad Protection for accidental damage coverage	Windows XP Professional, Microsoft Office 2007, Firefox, F-Prot, Adobe Digital School Collection 2009
	Lenovo ThinkPad T400 (upgrade)	2009	Intel Core2Duo T9600 CPU, 14.1" WXGA+ LCD display, 250GB HDD, ATI Mobility 3470 w/256MB Ram, Intel 5300 AGN wireless, 10/100/1000 Wired Ethernet, 8x dual-layer DVD recorder, media card reader, IEEE1394 port, and 4 year warranty with ThinkPad Protection for accidental damage coverage	Windows XP Professional, Microsoft Office 2007, Firefox, F-Prot, Adobe Digital School Collection 2009

	Lenovo ThinkPad X61 Tablet (upgrade)	2008	Tablet PC, 12.1" 1400x1050 LCD Display, 1.6 GHz ULV Intel Core Duo Processor, 2GB RAM, 250 GB HDD, 10/100/1000 wired Ethernet, Intel 802.11a/g/n Wireless, Bluetooth, IEEE 1394 port, media card reader, and 4 year warranty with ThinkPad Protection for accidental damage coverage	Windows Vista Enterprise, Microsoft Office 2007, Firefox, F-Prot, Roxio Easy Media Creator
	Lenovo ThinkPad T400 (base)	2008	Intel Core2 Duo T9400 processor, 14.1" LCD WXGA+ Display, ATI Mobility Radeon 3470 w/256MB video memory, 2GB RAM, 250GB HDD, 10/100/1000 wired Ethernet, Intel 802.11a/g/n/Wireless Adapter, Bluetooth, IEEE 1394 port, media card reader, and 4 year warranty with ThinkPad Protection for accidental damage coverage	Windows Vista Enterprise, Microsoft Office 2007, Firefox, F-Prot, Roxio Easy Media Creator
	IBM ThinkPad T61	2007	Intel Core 2 Duo 2 GHz processor, 2 GB RAM, 120GB HDD, integrated 802.11a/b/g wireless networking, 10/100/1000 wired Ethernet, 56Kbps modem, CD/DVD multiburner drive, 3 USB 2.0 high speed ports, 1394 (FireWire) port, 14" 1440x900 WXGA+ LCD display, Bluetooth, media card reader, Intel 965GM or nVidia Quadro NVS 140M graphics card, and 4 year warranty with ThinkPad Protection for accidental damage coverage	Windows XP Professional SP2, Microsoft Office 2007, Firefox, F-Prot for Windows, Roxio Easy Media Creator
 (T60)	IBM ThinkPad R60 or T60	2006	Intel Core Duo laptop with 1.66 GHz T2300 or 2 GHz T2500 processor, 1 GB RAM, 80GB HDD, Integrated 802.11a/b/g wireless networking, 10/100/1000 wired Ethernet, 56Kbps modem, CD-RW/DVD-ROM or DVD-R/CD-RW modular drive, ATI Mobility Radeon X1300 64 MB video card, 2 USB 2.0 high speed ports, External S-Video port, 15" or 14" 1400x1050 TFT Active Matrix Display, PCMCIA slot, and 4 year warranty with IBM ThinkPad Protection for accidental damage coverage	Windows XP Professional SP2, Microsoft Office 2003, Firefox, F-Prot for Windows, Roxio Easy Media Creator
 (T43)	IBM ThinkPad R52 or T43	2005	Intel Centrino laptop with 1.86 GHz Pentium M processor, 1 GB RAM, 80GB HDD, Integrated 802.11b/g wireless networking, 10/100/1000 wired Ethernet, V.92 56Kbps modem, CD-RW/DVD-ROM modular drive, 2 USB 2.0 high speed ports, 1394 (FireWire) port, Parallel printer port, External S-Video port, IR port, 15" or 14" 1400x1050 SXGA+ LCD display, PCMCIA slot, and 4 year warranty with IBM ThinkPad Protection for accidental damage coverage	Windows XP Professional SP2, Microsoft Office XP SP2, Mozilla 1.7.8, F-Prot for Windows, Roxio Easy Media Creator
	IBM ThinkPad R51	2004	Intel Centrino laptop with 1.7 GHz Pentium M processor, 512 MB RAM, 80GB HDD, Integrated 802.11b/g wireless networking, 10/100/1000 wired Ethernet, V.92 56Kbps modem, CD-RW/DVD-ROM modular drive, 2 USB 2.0 high speed ports, 1394 (FireWire) port, Parallel printer port, External video port, IR port, 15" 1400x1050 LCD display, PCMCIA slot, 4 year warranty with IBM ThinkPad Protection for accidental damage coverage, and HP DeskJet 5150 printer	Windows XP Professional SP1, Microsoft Office 2003, Mozilla 1.7, F-Prot for Windows, Easy CD Creator, Macromedia Dreamweaver MX 2004

	IBM ThinkPad R40	2003	Intel Centrino laptop with 1.6 GHz Pentium M processor, 512 MB RAM, 60GB HDD, Integrated 802.11b wireless networking, 10/100 wired Ethernet, V.92 56Kbps modem, CD-RW/DVD-ROM modular drive, 2 USB 2.0 high speed ports, 1394 (FireWire) port, Parallel printer port, External video port, IR port, 15" 1400x1050 LCD display, PCMCIA slot, 4 year warranty with IBM ThinkPad Protection for accidental damage coverage, and Epson Stylus C82 printer	Windows XP Professional SP1, Microsoft Office XP, Mozilla 1.4, F-Prot for Windows, Easy CD Creator, Macromedia Dreamweaver MX
	Compaq Evo N1000C	2002	Intel Pentium 4 1.7 GHz processor, 15-inch XGA display, 256 MB DDR SDRAM, 30 GB SMART hard drive, DVD/CD-RW combo drive, integrated 10/100 Mbps network card, 802.11b wireless network card, integrated 56Kbps modem, and Epson C60 printer.	Microsoft Office XP Professional, Macromedia Dreamweaver MX, Mozilla IMAP mail client, Microsoft Windows XP Professional
	Compaq Armada E500	2001	900 Mhz Pentium III- 128MB RAM, 20 GB HD, CD-RW, 14.1" TFT display, Integrated 10/100 networking and 56Kbps modem, 802.11B wireless network card, video out, and Epson Stylus 880 printer	Microsoft Office XP, Macromedia Dreamweaver, Netscape, Windows 98
	Compaq Armada E500	2000	Celeron 550 - 128MB RAM, 6 GB HD, 24x CD-ROM, 13.3" TFT display, Integrated 10/100 networking and 56Kbps modem, video out, and Epson Stylus 760 printer	WordPerfect Suite 2000, Macromedia DreamWeaver, Netscape, Windows 98
	Acer TravelMate 512T	1999	Celeron 366 - 64MB RAM, 4.1GB HD, 24x CD-ROM, 12.1" TFT display, Xircom 10/100 network adapter, Integrated 56Kbps modem, and Epson Stylus 640 printer	WordPerfect Suite 2000, Netscape, Windows 98
	Acer Extensa 368D	1998	Pentium 233 MMX - 32MB RAM, 3.2GB HD, 20x CD-ROM, 12.1" color display, 3Com 10/100 network adapter, Integrated 56Kbps modem, and Epson Stylus 600 printer	WordPerfect Suite 8, Windows 98

	Texas Instruments ESS2	1997	Pentium 133 - 16MB RAM, 1.4GB HD, 8x CD-ROM, 11.3" dual scan color display, Motorola Mariner 28.8 Kbps Modem/Ethernet Card, and HP DeskJet 694C printer	WordPerfect Suite 8 for Windows Windows 95
	Texas Instruments Extensa 510	1996	Pentium 100 - 16MB RAM, 810MB HD, 10.4" dual scan color display, Megahertz 14.4 KBps PCMCIA Modem, and HP DeskJet 600C printer	WordPerfect Suite 7.0 for Windows Windows 95
	Digital HiNote	1995	80486 - 8MB RAM, 170MB HD, and printer	WordPerfect 6.1 for Windows Quattro Pro 6.0 for Windows
	Digital DECpc 433se	1994	80486-33 - 4MB RAM, 120MB HD, and Epson printer	WordPerfect 6.0b (DOS) Quattro Pro 5.0 for Windows Windows 3.0
	Panasonic CF-1000	1993	80386sx - 4MB RAM, 60MB HD or (upgrade) 80486sx - 4M, 85MB HD, and Epson printer	WordPerfect 6.0 Quattro Pro 5.0
	Digital DECpc 320p	1992	80386sx - 2MB RAM, 40MB HD, and Epson printer	WordPerfect 5.1 Quattro Pro 4.0
	Zenith Supersport 286e	1991	80286 - 1MB RAM, 40MB HD, and Epson printer	WordPerfect 5.1

	Zenith Supersport 286	1990	80286 - 640K RAM, 40MB HD, and Epson LX-810 printer 2400 Baud Modem	WordPerfect 5.1 MS-DOS 3.2
	Zenith Supersport	1989	8088 - 640K RAM, Dual 3.5" Floppy (Optional 20MB HD), and Epson LX-810 printer	WordPerfect 5.0 Enable MS-DOS 3.2
	Zenith 181	1988	8088 - 640K RAM, Dual 3.5" Floppy, and Epson LX-800 printer	WordPerfect 5.0 Enable
	Zenith 157	1987	8088 - 640K RAM, ATI Graphics Card, Dual 5.25" Floppy Drives, Internal 1200 Baud Modem, and Epson LX-800 printer	WordPerfect 4.2 Enable (Full) MS-DOS 3.2
	Epson Equity I	1986	8088 - 512K RAM, Dual 5.25" Floppy, and Epson FX-85 printer	Student WordPerfect 4.1 Enable (Educational) MS-DOS 3.1
	Epson QX-16	1985	8088 and Z80 - 512RAM, Dual 5.25" Quad Floppy, and Epson FX-85 printer	Valdocs + GW-BASIC MS-DOS 2.11 CPM-80
	Epson QX-10 [story below!]	1984	Z-80 - 128K RAM, Titan board, Dual 5.25" Floppy	Valdocs 1 PeachCalc CPM-80

Year 1, The Epson QX-10

The QX-10 was the first computer issued to students as part of Drew's Computer Initiative. I received mine when I transferred into Drew in January of 1985. Our class was the experiment. Computers were set up in the dorms so when students arrived everything was ready and waiting in their rooms. Commuters, such as myself, picked up their computers and set them up at home. Since we didn't get printers, we still relied heavily on the computer center or dorm labs for print services. The first planning mistake... one printer per room.

The idea of every student having a computer was still very novel. Very few schools were doing this and the prior year, Drew had made its announcement making it the first Liberal Arts college to do so. CPM was a major operating system, DOS was run on our Titan cards, IBM-PCs were for the wealthy, and Macs were on the drawing board. Computers were boxes with just the basics for software. Email was unheard of by most people. Computers were the future and we were there.

Our word processor was a package called Valdocs. This package was a walking time bomb. If you stuck with the early version it worked just fine, but everyone knew what the mysterious error 17 was. The people at the computer center could fix it, but few others could. Each new version of Valdocs was free and Drew was a BETA site. This meant that each new version solved an old problem and gave you two new ones to replace it. A valuable lesson was being learned... while computers were changing how we wrote our papers, the dog wasn't the only thing that could eat your homework.

It was off to a rough start, but it was definitely worth pursuing. Due to a contractual problem, the QX-10's reign on campus would be a short one. That summer, all QX-10s were recalled and replaced with the QX-16 so we could run GW-Basic as promised. PeachCalc was ours to keep, and most people who did so just used it as a doorstop.

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