

BUYER'S **guide** All-in-One Printers

	Vendor	Model	Price	Printer Type	Dimensions (in.) L × W × H	Compatibility	Monthly Duty Cycle	Print Speed (ppm BW/color)	Printer Resolution
1	Brother http://www.brother.com	MFC-420CN	\$129.99	Inkjet	15.3 × 15.8 × 6.5	Windows/Macintosh	2,500	20/15	6000 × 1200
2	Brother	MFC-3340CN	\$159.99	Inkjet	14.8 × 19 × 10.7	Windows/Macintosh	3,000	20/15	6000 × 1200
3	Brother	MFC-820CW	\$249.99	Inkjet	14.8 × 17.8 × 6.5	Windows/Macintosh	2,500	20/15	6000 × 1200
4	Canon http://www.canon.com	Color Image-CLASS MF8170c	\$699	Laser	20.1 × 20.2 × 25.2	Windows 98 or newer	n/a	16/4	2400 × 600
5	Canon	Pixma MP530	\$199	Inkjet	18.5 × 18.4 × 10.4	Windows 98 or newer, Mac OS 10.2.8 or newer	n/a	29/19	600 × 600 BW 9600 × 2400 color
6	Epson http://www.epson.com	AcuLaser CX11N	\$699	Laser	18.1 × 18.4 × 23.3	Windows 98 or newer, Macintosh 10.2 or newer	45,000	25/5	600 × 600
7	Hewlett-Packard http://www.hp.com	PhotoSmart 2575	\$179.99	Inkjet	17.32 × 14.2 × 8.2	Windows 98 or newer, Macintosh 9.2 or newer	3,000	30/24	1200 BW 4800 × 1200 color
8	Hewlett-Packard	OfficeJet 7310	\$399.99	Inkjet	21.6 × 17.2 × 11.4	Windows 98 or newer, Macintosh 9.1 or newer	5,000	30/20	1200 BW 4800 × 1200 color

When all-in-one printers came out, the price and the idea were there, but a lot of the devices were slow, had low-quality scanners, and few features. The current generation of printers offers features and quality that rival many stand-alone printers, scanners, and copiers. Networking is standard on most machines, and many are also photo printers, adding a new twist to the idea

of a multifunction machine. All-in-ones also come in color laser, offering a different option that can cost more in the beginning but offer lower per-page costs in the long run.

The machines featured here and others in this class can support the document needs of a K–12 classroom, with support for networking, color printing, high speed, good-quality scanning, and copying. All offer built-in fax capa-



Borderless printing	Copying Speed (cpm BW/color)	Copy Scaling (%)	Scanner Type	Max. Scan Res. (optical)	Bit Depth	Max. Scan Size	Scanner interface	Notes
Y	17/11	25–400	Flatbed	600 × 2400	36	8.5 × 11.7		Accepts Compact Flash, SmartMedia, Memory Stick, SD, and xD memory cards
Y	17/11	25–400	Sheetfed	600 × 1200	36	8.5 × 11.7	TWAIN, WIA	Accepts Compact Flash, SmartMedia, Memory Stick, SD, and xD memory cards
Y	17/11	25–400	Flatbed	600 × 2400	36	8.5 × 11.7		Accepts Compact Flash, SmartMedia, Memory Stick, MMC, SD, and xD memory cards; also includes 802.11b/g wireless networking
N	16/4	50–200	Flatbed	1200 × 2400	48	8.5 × 11.7	TWAIN	50 sheet document feeder
Y	28/19	25–400	Flatbed with Document Feeder	1200 × 2400	48	8.5 × 11.7	TWAIN	Direct photo printing (upgrade option)
N	25/5	25–400	Flatbed	600 × 600	48	8.5 × 14		
Y	30/24	50–400	Flatbed	1200	48	8.5 × 11.7		Supports Compact Flash, Microdrive, Memory Stick, miniSD, SD, MMC, and xD memory cards
Y	30/20	25–400	Flatbed	2400	48	8.5 × 14		Supports Compact Flash, Microdrive, Memory Stick, miniSD, SD, MMC, and xD memory cards; automatic duplexing; Bluetooth available

bilities, though that is not the highest priority for classroom or lab settings. And, the manual and automatic duplexing on some models helps teachers and students conserve paper.

Most of them offer a small enough footprint to make them a manageable addition to a classroom, but the lasers might be best suited to a

lab or shared printer area because of their large size. The photo printers would be the most helpful to teachers who take photos of student work for inclusion in portfolios and to share with parents.

