

## Expert 21 Requirements for Student and Teacher Workstations



### General Requirements:

- Workstations require a Network Interface Card supporting TCP/IP
- Scholastic recommends a T1 Connection or higher at building level (minimum), T3 Connection or higher at building level (recommended); if connecting to the Internet via a school district network, at least a T3 connection or higher at the building level (see simultaneous user guidelines attached to this specification)
- Expert Space, SRI, xSkills, and SAM require Flash Version 9.0 or higher (Macromedia Flash is a free download at [www.adobe.com](http://www.adobe.com))
- Workstations require speakers and/or headsets for audio directions and video playback
- Scholastic recommends a 16-bit sound card for optimal sound
- Teacher workstations require Adobe Acrobat Reader for viewing SAM reports

### PC:

**Operating System:** Windows 2000, Windows XP Pro, or Windows Vista Business (the following workstation operating systems are *not* supported: Windows 95, 98, 98SE, CE, NT, ME, XP Home, 2000 Home)

**Processor:** Pentium 4 or higher (2.33 GHz)

**Memory:** 512 MB of RAM

**Browser:** Internet Explorer 6 (7 for Windows XP) or 8, Firefox 2.x, 3.x

**Display:** 15-inch monitor with the resolution set at 1024 x 768 with high 16-bit colors or higher selected

### Macintosh:

**Operating System:** OS X 10.4.11 or higher (the following workstation operating systems are *not* supported: Mac OS 8.0 to 9.x & Mac OS X 10.0 – OS X 10.3.9)

**Processor:** G4 1.25 GHz or faster processor or Intel Core™ Duo 1.6 GHz or faster processor

**Browser:** Safari 2.x or higher, Firefox 2.x or 3.x

**Display:** 15-inch monitor with the resolution set at 1024 x 768 with "thousands of colors" selected

### Remote Access:

- DSL, cable modem or higher connection
- All other requirements are the same for remote access

\*\*Please note that the Expert Space anchor and Skill Builder videos cannot be downloaded so if users cannot stream video, they will not be able to use this portion of Expert Space

\*\*Video Performance will vary based on factors like connection speed, number of concurrent users, and other network traffic. See concurrent usage guidelines attached to this page.

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### Expert 21 Concurrent Usage Guidelines

The technology components bundled with Expert 21 deliver video and Flash applications over the Internet. *The number of users who can access these applications depends on a number of factors, including connection speed, the amount of other activity taking place on a school or library's computer network at a given time, and whether a school or library has a dedicated Internet connection or shares it with other schools or libraries.*

The following guidelines should be used to determine how many users can access the Expert 21 technology components simultaneously. Please note that these are average guidelines only; actual performance may vary based on factors listed above.

<b>School Connection Speed</b>	<b>Maximum # of Simultaneous Users</b>
T1 (1.5 MB)	5-10 concurrent users
T3	225 users
High-Speed Gigabite (1000 GB)	More than 225 users

### Important Reminder

If you use hardware that just meets the minimum system requirements, the applications will run correctly; however they may run somewhat slower than desired. All features will be present and function properly. Using hardware below the system requirements is not recommended or supported. Using this hardware may cause the program to run too slowly or prevent certain features (such as audio and video playback) from functioning properly.