

Technical Specifications for Scientific Learning Gateway 4.7



Technical Specifications Scientific Learning Gateway Version 4.7

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Scientific Learning® Technical and Product Support

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Stand-Alone or Student Workstation Requirements

Stand-alone/Student Workstation - Windows	
Operating Systems	Windows® XP Home or Professional Service Pack 2 Windows® Vista Service Pack 1 Home, Business, Ultimate, or Enterprise±
Processor	1.2GHz (Intel Pentium IV, Pentium M, Core Duo, Core 2 Duo, AMD Athlon, Turion, Phenom)
Memory	512MB RAM – Windows XP Service Pack 2 2GB RAM – Windows Vista Service Pack 1
Sound Card	Creative Labs SoundBlaster® or 100% compatible with DirectSound support

± Microsoft Windows Vista requires special instructions to install the multimedia contents. Use the following document: [Multimedia Installation instructions for Microsoft Vista \(90kb pdf\)](#)

Stand-alone/Student Workstation - Macintosh	
Operating Systems	OSX 10.4.11 OSX 10.5.7
Processor	Power PC G4 1.25 GHz Power PC G5 1.6 GHz Intel Core 2 Duo 1.5 GHz
Memory	OSX 10.4.11 – 512MB RAM OSX 10.5.7 – 1GB RAM
Sound Card	Reading Assistant Expanded Edition only Andrea Electronics USB Adapter required when using a Macintosh computer (requires one USB port)

Additional Requirements	
Headphones/ Y-adapters	One high quality, stereo headphone set with padded cups that cover the ears. One stereo headphone Y-adaptor to allow coaches to listen without interrupting. Reading Assistant Expanded Edition only <ul style="list-style-type: none"> • See Page 5 for recommended microphone headset list
Reading Assistant only	Quicktime 6 Standard True Type fonts
Hard Drive space/Flash Drive space	Scientific Learning Gateway: 500 MB for application, 100 MB per student Multimedia installation: 6 GB (optional – see page 5 for details)
Optical Drive	DVD ROM Required for installation
Video Card/Monitor	Minimum supported resolution of 800x600 - and - (Windows Only) support for DirectX9 graphics
Internet Connection	Required for Gateway license registration and Progress Tracker

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Gateway Server Requirements

Gateway Server - Windows	
Operating Systems	Windows® XP Service Pack 2, Home or Professional Windows® Vista Service Pack 1 Home, Business, Ultimate, or Enterprise±±
Processor	1.5 GHz (Intel Pentium IV, Pentium M, Core Duo, Core 2 Duo, AMD Athlon, Turion, Phenom)
Memory	1GB RAM (XP) 2GB RAM (Vista)

Gateway Server - Macintosh	
Operating Systems	Macintosh® OSX 10.4.11 Macintosh® OSX 10.5.7
Processor	2.0 GHz Power PC G5 1.6 GHz dual core Intel processor
Memory	1GB RAM

Additional Requirements	
Optical Drive	DVD ROM (required for installation)
Network System Capacity	TCP/IP required Maximum 50 simultaneous client connections per SLC Gateway Server (see page 4 for wireless) Maximum 500 enrolled students 10MB switched Ethernet minimum; maximum of 12 computers per switched port
Hard Drive Space	Scientific Learning Gateway: 500 MB for application, 100 MB per student Multimedia installation: 6 GB (optional – see page 5 for details)
Internet Connection	Required for Gateway license registration and Progress Tracker ISDN or faster recommended Safari 3, Safari 4, Microsoft Internet Explorer 6, or Firefox 2.0 with Flash 9 for Virtual Academy

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Wireless Network Requirements

Wireless Supported Technologies and Requirements	
Supported Technologies: 802.11a, 802.11b, 802.11g, 802.11n NOTE: Bluetooth, Ethernet over electrical, or other similar technologies are not supported.	
<ul style="list-style-type: none">• Elevate access points as much as physically possible (e.g., mounted on ceiling)• Install access points a minimum of 3 feet from any florescent light source or loudspeaker• Use fixed channels (highly recommended)• Using interference robustness reduces the effective maximum distance by 1/3• Use encryption (WPA Recommended)• When using multiple access points, set channels as far apart as possible (e.g., set Lab 1 access point and stations to Channel 1, set Lab 2 to Channel 9)• Connect access points to a wired port on the network, on the backbone or on their own switched port• NAT is recommended when using wireless in combination with wired networks• Do not use wireless to connect the Gateway server to the network; physically connect this computer to a wired port on the network	
802.11a 802.11g	Maximum number of stations per access point: 18-20 Maximum distance between station and access point: 75 feet Minimum distance between access points: no closer than 20 feet
802.11b	Maximum number of stations per access point: 12 Maximum distance between station and access point: 100 feet Minimum distance between access points: no closer than 25 feet
802.11n*	Maximum number of stations per access point: 35 Maximum distance between station and access point: 75 feet Minimum distance between access points: no closer than 10 feet *If used in mixed environment with 802.11/g, use 802.11g requirements

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Multimedia Content Hard Drive Space and Reading Assistant Expanded Edition Headset Requirements

Multimedia Content Hard Drive Space Requirements±±

NOTE: Installing the content on the hard drive eliminates the need to insert product CDs or DVDs

- 100MB for Fast ForWord Language Basics
- 75MB for Fast ForWord Language v2
- 460MB for Fast ForWord Middle & High School
- 75MB for Fast ForWord Language to Reading v2
- 85MB for Fast ForWord Literacy
- 85MB for Fast ForWord Literacy Advanced
- 100MB for Fast ForWord to Reading Prep
- 360MB for Fast ForWord to Reading 1
- 310MB for Fast ForWord to Reading 2
- 175MB for Fast ForWord to Reading 3
- 300MB for Fast ForWord to Reading 4
- 250MB for Fast ForWord to Reading 5
- 150MB for Reading Progress Indicator
- 1.8 GB for Reading Assistant Expanded Edition

Reading Assistant Recommended Microphone Headsets

Scientific Learning recommends headset models based on the level of noise-canceling ability as well as field experience with headsets and other factors. Microphone headsets and USB adapters excluded from the list below are not guaranteed to work with our software.

- **Andrea Electronics Model NC-185 (formerly NC-95)**

<http://www.andraelectronics.com/Buy/ProductDesc/NC185.htm>

Sales email contact: SalesINQ@andraelectronics.com

- **Califone 3066AV**

http://www.califone.com/pdf/spec_sheets/headphones/3066_2005spec.pdf

Product sales: <http://www.califone.com/dealer.php>

- **Labtec Stereo 342**

Not available through a specific distributor but widely available online.

- **Telex Discovery DS-8V** (Note: Discovery DS-4V is not supported and will not work)

<http://www.telex.com/Education/Product.aspx?MarketID=5&CategoryID=19&ProductID=37>

Product sales: <http://www.telex.com/Order/Default.aspx>

Recommended USB Adapter

- **Andrea Electronics USB Adapter**

(REQUIRED WHEN USING A MACINTOSH OPERATING SYSTEM OR A WINDOWS VISTA OPERATING SYSTEM)

http://www.andraelectronics.com/Buy/ProductDesc/USB_Adapter.htm

Sales email contact: SalesINQ@andraelectronics.com

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Training Lab Virtual Classroom Requirements

Training Lab Virtual Classroom Requirements

Follow the instructions below to set up your computer for the virtual classroom. Your web sessions will use the WebEx Training Center platform and you'll need to complete a one-time, automated setup that takes just a few seconds with a high-speed Internet connection or several minutes with a slow connection. Note: The first time you join or start a session, the WebEx Training Manager will automatically be installed; however you can manually download it in advance. You must have administrator privileges on your computer to use this installer.

- Click [here](#) or on the following link (*Note: if the below isn't a hyper link for you, open Internet Explorer or Safari and cut the information and paste it in your address bar*): <https://scientificlearning.webex.com/mw03051/mywebex/default.do?siteurl=scientificlearning&service=1>
- On the left side of the page, click Support and then click Downloads
- On the next page at the top section called Meeting Manager, click to download the installer for your operating system.
- Difficulties? Contact Intercall WebEx Technical Support directly at 800.508.8758 or email mcsupport@intercall.com