

ELPA21 Field Test and Platform and System Trial
Hardware Specifications

Application	Operating System	OS Version	Processor	System Memory	Hard Disk Space	Screen Size Resolution	LAN Network	Internet Speed	Additional Requirements
ELPA21 Field Test Uses a Secure Browser	Windows	XP/Vista/7/8/2003/2008 (latest service pack) (NOTE: Windows 8 RT is not supported)	Intel Pentium 4 1.0 GHz equivalent or higher CPU Recommended Intel Core 2 Duo 1.6 Ghz equivalent or higher performing CPU or higher performing CPU	Minimum 256MB Free Ram Recommended 512 MB Free Ram	Minimum 1 GB Free Storage Space	Minimum 10" class screen size (10" class is 9.5 to 10.5 inches) Minimum 1024 X 768 screen resolution Recommended 12" or larger screen size	Minimum 100 Mbps LAN/802.11g Wireless 54 Mbps or greater Minimum available LAN bandwidth at each workstation: 1 Mbps Recommended 1 Gbps LAN/802.11n Wireless 150 Mbps or higher Recommended available LAN bandwidth at each workstation 2 Mbps	Minimum per device: 150 kps (Minimum with proctor caching 30 kps) Recommended: 300 kps A secure browser will be used. If more than 100 students testing simultaneously, proctor caching will be required.	Device compatible headset with built-in microphone, with either standard headset plug(s) or USB connection.
	Mac	10.6/10.7/10.8/10.9	Intel Core 2 Duo 1.6 GHz equivalent or higher performing CPU	Minimum 256MB Free Ram Recommended 512 MB Free Ram	Minimum 1 GB Free Storage Space	Minimum 10" class screen size (10" class is 9.5 to 10.5 inches) Minimum 1024 X 768 screen resolution Recommended 12" or larger screen size	Minimum 100 Mbps LAN/802.11g Wireless 54 Mbps or greater Minimum available LAN bandwidth at each workstation: 1 Mbps Recommended 1 Gbps LAN/802.11n Wireless 150 Mbps or higher Recommended available LAN bandwidth at each workstation 2 Mbps	Minimum per device: 150 kps (Minimum with proctor caching 30 kps) Recommended: 300 kps A secure browser will be used. If more than 100 students testing simultaneously, proctor caching will be required.	Device compatible headset with built-in microphone, with either standard headset plug(s) or USB connection.
	Linux	Ubuntu 11.10/Fedora 14 (NOTE: Debian 9 / OpenSUSE 11.1 are under review)	Intel Pentium 4 1.0 GHz equivalent or higher performing CPU Recommended Intel Core 2 Duo 1.6 Ghz equivalent or higher performing CPU	Minimum 256MB Free Ram Recommended 512 MB Free Ram	Minimum 1 GB Free Storage Space	Minimum 10" class screen size (10" class is 9.5 to 10.5 inches) Minimum 1024 X 768 screen resolution Recommended 12" or larger screen size	Minimum 100 Mbps LAN/802.11g Wireless 54 Mbps or greater Minimum available LAN bandwidth at each workstation: 1 Mbps Recommended 1 Gbps LAN/802.11n Wireless 150 Mbps or higher Recommended available LAN bandwidth at each workstation 2 Mbps	Minimum per device: 150 kps (Minimum with proctor caching 30 kps) Recommended: 300 kps A secure browser will be used. If more than 100 students testing simultaneously, proctor caching will be required.	Device compatible headset with built-in microphone, with either standard headset plug(s) or USB connection.

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	Android*	4.2, 4.3, 4.4 for the following supported devices: o Google Nexus 10 o Samsung Galaxy Tab 2 (10.1) o Samsung Galaxy Note (10.1) o Motorola Xoom o Motorola Xyboard An external keyboard is required for the field test.	1.0 Ghz dual core equivalent or higher	Minimum 256MB Free Ram Recommended 512 MB Free Ram	Minimum 256MB Free Storage Space	Minimum 10" class screen size (10" class is 9.5 to 10.5 inches) Minimum 1024 X 768 screen resolution	Minimum Wireless 54 Mbps or greater Minimum available LAN bandwidth at each workstation: 1 Mbps Recommended 802.11n Wireless 150 Mbps or higher Recommended available LAN bandwidth at each workstation 2 Mbps	Minimum per device: 150 kps (Minimum with proctor caching 30 kps) Recommended: 300 kps A secure app will be used. If more than 100 students testing simultaneously, proctor caching will be required.	Device compatible headset with built-in microphone, with either standard headset plug(s) or USB connection.
	iOS	iOS 6, 7, 8 An external keyboard is required for the field test.	1.0 Ghz dual core equivalent or higher	Minimum 256MB Free Ram Recommended 512 MB Free Ram	Minimum 256MB Free Storage Space	Minimum 10" class screen size (10" class is 9.5 to 10.5 inches) Minimum 1024 X 768 screen resolution	Minimum Wireless 54 Mbps or greater Minimum available LAN bandwidth at each workstation: 1 Mbps Recommended 802.11n Wireless 150 Mbps or higher Recommended available LAN bandwidth at each workstation 2 Mbps	Minimum per device: 150 kps (Minimum with proctor caching 30 kps) Recommended: 300 kps A secure app will be used. If more than 100 students testing simultaneously, proctor caching will be required.	Device compatible headset with built-in microphone, with either standard headset plug(s) or USB connection.
	Chrome OS	Versions 29 through 37 (NOTE: Chrome OS manages and controls the upgrade process. We will review and confirm upgrades as they are released.)	1.6 Ghz equivalent or higher	Minimum 256MB Free Ram Recommended 512 MB Free Ram	Minimum 256MB Free Storage Space	Minimum 10" class screen size (10" class is 9.5 to 10.5 inches) Minimum 1024 X 768 screen resolution	Minimum Wireless 54 Mbps or greater Minimum available LAN bandwidth at each workstation: 1 Mbps Recommended 802.11n Wireless 150 Mbps or higher Recommended available LAN bandwidth at each workstation 2 Mbps	Minimum per device: 150 kps (Minimum with proctor caching 30 kps) Recommended: 300 kps A secure app will be used. If more than 100 students testing simultaneously, proctor caching will be required.	Device compatible headset with built-in microphone, with either standard headset plug(s) or USB connection.

*Please Note: These specifications are for the ELPA21 Field Test only. ELPA21 does not yet have an operational vendor.