



blendedschools.net Language Institute Technology Readiness Checklist

You or your district has registered students for a critical language class with the blendedschools.net Language Institute. The course will be conducted through an online environment called **Wimba Classroom** and the **Blackboard Learning Management System** (<http://blendedschools.blackboard.net>). Since this course will generally not meet in person, assignments will be submitted electronically.

BSN Language Institute Primary Contacts (LPCs) should forward this document to the IT Department at district to ensure proper setup and the ports and proxy settings (on page 4) are adjusted on the school network.

- Computer that meets minimum system requirements
 - Operating System
 - Windows XP or higher
 - Mac OS X 10.4 or higher
 - Processor
 - Windows: Pentium III 500 MHz or higher
 - Mac: G4 800 MHz or faster
 - Memory
 - Windows: 512MB of RAM or higher
 - Mac: 512 MB of RAM or higher
 - Soundcard for use with headset and microphone
 - Functional CD/DVD for installation of language files and playback of ancillary materials that come with books
- Broadband Internet connection
 - Speed/bandwidth preferred - DSL, Cable Modem, LAN (**minimum of 400 kbps for each student for Wimba Classroom alone, 1MB for Wimba Classroom plus Blackboard access for each student**)
 - Usage of wired connections (using blue CAT5 cable) are encouraged over wireless, especially with multiple students taking class in same area
 - Test your connection speed at <http://myspeed.visualware.com/>
- Required hardware
 - Working headset with microphone combination for every student
 - Mac systems should use USB headsets; PCs may use analog or USB. Make sure to purchase headsets that meet your system's capabilities.
 - Headsets advertised for Internet Calling/VOIP/Skype are suitable.
 - Recommended brands: [Plantronics](#) or [Logitech](#)
 - Using computer speakers for sound is not recommended as it creates feedback when a student engages their microphone
 - Access to scanner with appropriate scanner software (ability to save as .jpg)
 - Access to printer

- Graphics Tablet (Mac/Win) for every student (Optional, Recommended for Chinese, Japanese, Arabic classes)
 - Bamboo (Small) Pen tablet with Pen Only - \$60 – from Amazon.com
 - OR
 - Bamboo Fun (Small) Pen tablet with Pen, Mouse & Graphics Software – \$85.00 - from Amazon.com
- Web Camera for computer (Optional, Recommended)
 - Recommended web cameras compatible with Wimba Classroom - <http://d2.parature.com/ics/support/default.asp?deptID=8052&task=knowledge&questionID=767>
- Recommended software on computers
 - Java version 1.5 or later
 - [Test here to determine Java version on computer](#)
 - [Go here to download latest version of Java](#)
 - Web browser
 - Windows
 - Internet Explorer 7.0+
 - Safari 3.0+
 - [Firefox](#) 3.0+
 - Mac
 - Safari 3.0+
 - [Adobe Flash Player](#) and [Shockwave](#) (both free)
 - Microsoft Office, [Open Office](#) (free) or other software capable of reading and creating Microsoft Word, Excel and Powerpoint documents.
 - PDF reader software such as [Adobe Reader](#) (free) or Preview on Mac OS X
 - Windows Media
 - Windows Media Player (comes free with Windows)
 - Mac: [Flip4Mac Windows Media component for Quicktime](#)
 - [Quicktime 7.0](#) or later
- E-mail account for every student (recommended)
- Obtain BSN Language Institute Blackboard© logins
 - Obtain username and password information for each student from Evon Zundel (ezundel@blendedschools.net) and *forward to classroom facilitators*.
 - Facilitator and Tech Support personnel logins are also available.
 - Directions for logging into Blackboard© and entering the Live Classroom can be obtained from: http://li.blendedschools.net/documents/logging_into_blackboard_wimba_03_05_09.pdf
- Installation and Testing of blendedschools.net tools
 - **Wimba Classroom software on computers**
 - Pop-up windows need to be enabled for software to function
 - Check out <http://d2.parature.com/ics/support/default.asp?deptID=8052&task=knowledge&questionID=668> for help in disabling pop-up blockers.

- Install Wimba Classroom software by going to Test Room and completing the Wizard at http://blendedschools.live.wimba.com/launcher.cgi?room=blended_s_60627_1_642424. When finished, log into the classroom by entering your name in the Participant Login area and click on Enter.
- Test
 - Ensure that Wimba Classroom class ports are unblocked on network (see page 4 for more information)
 - Follow the directions in the test room to test headset and microphone audio within Wimba Classroom environment with each computer
 - Disable microphones on web cameras
 - **Test Wimba Voice tools on each computer**
 - Test each computer with the Wimba Voice Tools Wizard at <http://blendedschools.horizonwimba.com/blendedschools/wizard/launcher.jsp?show=wizard.frames>
 - Pop up windows must be allowed on each computer
- **Install Language Support and Set up Input Language on each computer**
 - Test that proper display of characters in target language can be properly displayed (use Check your computer link for your language @ <http://li.blendedschools.net/languagesupport.php>)
 - Test that language input or bar is configured for target language
 - Directions can be downloaded from <http://li.blendedschools.net/languagesupport.php>
- **Test equipment prior to first day of class**
 - It is recommended that you test:
 - Logging into your Blackboard course
 - Launching your Wimba Classroom session (link inside your Blackboard course) and testing your audio with your headset
 - That **all** headsets are working properly
 - Whether your bandwidth/Internet connection can properly sustain the total number of live class connections simultaneously
 - Please contact Evon Zundel (ezundel@blendedschools.net) to schedule a 15-minute test session.
- **BSN Language Institute Technology Knowledge Base located at <http://li.blendedschools.net/techknowledgebase.php>**

IT Department Notes for BSN Technologies

- The setup processes should be run in an environment that a student would experience. (eg. With student level filtering and security restrictions).
- IT staff may obtain a Blackboard account for testing purposes from Evon Zundel (ezundel@blendedschools.net).
- If your school uses Deepfreeze or a product that prevents downloaded items to remain after a computer restart, it is important that the IT department install the software to avoid it downloading every time a class link is launched.

Complete list of URLs and Ports used by blendedschools.net tools for IT Departments

URLS and IP Addresses

Traffic from the following IP addresses and URLs should be allowed to flow freely through all district routers, firewalls, proxies, web-filters and other security devices.

All URLs are both http and https.

Technology	URL(s)	IP(s)
Load-balanced Blackboard Instance	blendedschools.blackboard.com	209.133.74.115 (Load Balancer) 209.133.124.152 (Server 1) 209.133.124.141 (Server 2) 209.133.124.102 (Server 3)
Wimba Voice	blendedschools.wimba.com wimbaapp38.wimba.com (Canonical Name)	67.202.208.210
Wimba Classroom	blendedschoolslive.wimba.com	67.202.209.97
Wimba Pronto	pronto.wimba.com	67.202.208.172
Blackboard Scholar	www.scholar.com	209.133.91.100
Blackboard Safe Assign	safeassign.blackboard.com	209.133.125.23
Respondus StudyMate Class Server	smcs134.respondus2.com smcs2.respondus2.com	216.38.56.42

	(Canonical Name)	
Waypoint Outcomes	subjectivemetrics.com	209.71.59.150
blendedschools.net Webserver	www.blendedschools.net	74.220.207.110
Language Institute Webserver	li.blendedschools.net	67.192.134.41
blendedschools.net Media Server	network.blendedschools.net	72.3.232.136
Astra Eagle	astraeagle.blendedschools.net	67.192.134.40
Tutorial Storage	content.screencast.com	72.52.191.10
Storage for Presentations	www.slideshare.net	174.36.28.11
Storage for Instructional Media	www.teachertube.com teachertube.com (Canonical Name)	72.46.237.32

Port Requirements

For the best performance district computers should be allowed to access the above URLs on all ports. If your district wishes to only allow specific ports the following information provides more detail:

- Ports 80 & 443 should be open to ALL URLs
- blendedschoolslive.wimba.com (67.202.209.97):
 - TCP: 5998, 443, 5190
 - UDP: 5998, 33434, 5190, 16384

Software and Applets

The blendedschools.net tools also include some required applet downloads as well optional software downloads.

Application	Location of Download	Executable Name	Required?
Java	www.java.com	Mac: Builtin Windows: java.exe	Yes
Flash	www.adobe.com	NA	Yes
Wimba Voice	Applet Download	Mac: audioproxy Windows: audioproxy.exe	Yes
Wimba Classroom	Applet Download	Mac: horizonwimba Windows: horizonmedia.exe	Yes
Illuminate	JNLP File Download for Java Web Start	Mac: getadapterJNLP.jnlp Windows: getadapterJNLP.jnlp	For Language Institute
Study Mate	Blackboard / Faculty Tab	Mac: Not Compatible Windows: StudyMate.exe	No
Wimba Create	Blackboard / Faculty Tab	Mac: Not Compatible Windows: MS Word Macro	No
Respondus	Blackboard / Faculty Tab	Mac: Not Compatible Windows: Respond.exe	No
Pronto	Any Blackboard Course / Communication	Mac: Pronto Windows: pronto.exe	No

Certificates

Certificates should be added to root trusts either at the workstation or network level. Certificate files are available upon request.

Application	Name	Issuer
Blackboard	dc.blackboard.com	Thawte Code Signing CA
Wimba Voice	Wimba, Inc.	Cybertrust SureObject CA
Wimba Classroom	Horizon Wimba	Cybertrust SureObject CA

Workstation Requirements

The workstation requirement for using the blendedschools.net tools is a standard internet capable computer. Below are some suggestions for standard software and hardware configurations.

- Add all URLs to trusted sites in Internet Explorer
- Enable Automatic prompting for file downloads for trusted sites

Complete URL and IP Address List For Copy and Paste

URLs	IPs
blendedschools.blackboard.com	209.133.74.115
blendedschools.wimba.com	209.133.124.152
wimbaapp38.wimba.com	209.133.124.141
blendedschoolslive.wimba.com	209.133.124.102
pronto.wimba.com	67.202.208.210
www.scholar.com	67.202.209.97
safeassign.blackboard.com	67.202.208.172
smcs134.respondus2.com	209.133.125.23
smcs2.respondus2.com	65.110.166.186
subjectivemetrics.com	216.38.56.42
www.blendedschools.net	209.71.59.150
li.blendedschools.net	74.220.207.110
network.blendedschools.net	67.192.134.41
astraeagle.blendedschools.net	72.3.232.136
content.screencast.com	67.192.134.40
www.slideshare.net	72.52.191.10
www.teachertube.com	174.36.28.11
teachertube.com	72.46.237.32