



Platform Requirements, System Requirements, and Technical Resources

Technical Resources

- Required plug-ins: Flash Player 10.1 or higher at minimum (Flash Player 11 is recommended), Adobe Reader 10 or higher at minimum (Adobe Reader 11 is recommended), Java 6 at minimum, QuickTime 7 at minimum (System and platform requirements, along with download links, are included at the end of this document.)
- Students need access to office productivity software. (OpenOffice, Microsoft Office, etc.)
- 512 MB of RAM or higher recommended
- Internet access (A broadband connection to the Internet is recommended in order to avoid problems with course content loading in a timely manner. While dial-up, satellite, or cellular data connections will work with D2L, significant usability issues can occur depending on the content of the course.)
- Soundcard with microphone and headphones (A headset containing microphone/headphones is highly recommended.)

Additional Information

- Students and teachers need to check the ACCESS Course Catalog for course-specific requirements (<http://accessdl.state.al.us/courses.html>). Teachers also need to check the course information within the section for any additional requirements, including technical. (i.e., required text that is available only in CD-ROM format, etc.)
- Mobile devices are a valuable resource that can be used effectively with the learning management system; however, the ACCESS staff does not recommend using these devices exclusively. Students and teachers need access to a computer to perform certain tasks, including accessing applications that use Flash, or that are powered by Java. Applications using Flash will only function using a specialized browser that must be purchased for mobile devices. (Photon Flash, Puffin, etc.) While we provide support for Desire2Learn (D2L) tools, we are unable to provided support for mobile devices due to varied types and platforms.
- Teachers, students, and facilitators using Blackboard Collaborate Voice Tools (primarily Foreign Language, English, and Arts teachers at this time) need to refer to the supported operating systems, supported Internet browsers, and recommended system specifications for using Blackboard Voice Authoring included at the end of this document.



System and Platform Requirements for Desire2Learn (D2L) Learning Environment (LE) 10.1

Browser support

Your system must have **Java Runtime Environment 6 or greater** to run the Equation Editor and **Adobe Flash Player 10.1 or greater** to use the Record Audio and Record Video features. Ensure that your browser has JavaScript and Cookies enabled.

There are 4 stages of the browser support cycle (status) as defined by D2L: investigation, supported, maintenance, and unsupported. These definitions are included at the end of the browser support status listings.

Windows

Internet Explorer 8 was moved into maintenance mode with version 10.0, and will no longer be supported in the next version of the Learning Suite (10.2).

Browser	Status
Internet Explorer 10	Investigation
Internet Explorer 9	Supported
Internet Explorer 8	Maintenance
Firefox (newest)	Supported
Firefox 17.0	Maintenance (to the end of 2013)
Firefox 10.0	Maintenance (to the end of 2012)
Firefox (older)	Unsupported
Chrome (newest)	Supported

Mac OS X

Browser	Status
Safari 6.0	Supported
Safari 5.1	Supported
Safari 5.0	Maintenance
Safari 4.0	Maintenance
Firefox (newest)	Supported
Firefox 17.0	Maintenance (to the end of 2013)
Firefox 10.0	Maintenance (to the end of 2012)
Firefox (older)	Unsupported
Chrome (newest)	Supported



System and Platform Requirements for Desire2Learn (D2L) Learning Environment (LE) 10.1

Tablet support for Desktop Web

Browser	Status
Android Browser (newest)	Supported
iPad Safari (newest)	Supported
Playbook Browser (newest)	Supported

Mobile Web

Operating System/Browser	Status
iOS (Newest)	Supported
iOS 5 (Safari 5.1)	Supported
iOS 4 (Safari 5.0)	Maintenance
iOS 3 (Safari 4)	Maintenance
Android (Newest)	Supported
Android 4.0 (Ice Cream Sandwich)	Supported
Android 3.2 (Honeycomb)	Supported
Android 2.3 (Gingerbread)	Supported
Android 2.2 (Froyo)	Supported
Android 2.1 (Eclair)	Maintenance
Android 1.6 (Donut)	Maintenance
Android 1.5 (Cupcake)	Maintenance
Blackberry 7	Supported
Blackberry 6	Supported

The above mentioned products and/or services retain their trademarks and copyrights where applicable.



System and Platform Requirements for Desire2Learn (D2L) Learning Environment (LE) 10.1

Browser Support Lifecycle Status Definitions

There are 4 stages of the browser support cycle as defined by D2L: investigation, supported, maintenance, and unsupported.

Investigation

The browser is recognized and under consideration by Desire2Learn, but has not been tested against any versions of Desire2Learn products and may never be fully supported.

This category is mainly used for new browsers that have a significant user base, good vendor support, and are generally considered as candidates for future Desire2Learn support.

Supported

The browser and operating system combination have been fully tested by Desire2Learn.

Maintenance

The browser is not tested extensively against new versions of Desire2Learn products, but customers can still report problems and receive support for critical issues with previous versions. Desire2Learn does not guarantee all issues will be addressed.

A browser goes into maintenance either when a vendor officially ends support for it or Desire2Learn decides to end support for it.

A maintenance browser becomes officially unsupported after one year.

Unsupported

The browser is not tested and no fixes are performed for unsupported browsers. Desire2Learn does not guarantee any product functionality and offers no support for reported problems.

Generally, Desire2Learn ends support for a browser one year after the associated vendor ends their official support for it.



System and Platform Requirements for Blackboard Voice Authoring

Below, please find the supported operating systems, supported Internet browsers, and recommended system specifications for using Blackboard Voice Authoring.

Definitions of Terms

Certified: fully tested and supported.

Compatible: partially tested and supported.

Provisional: untested but supported.

Unsupported: impossible or not supported.

*Note: Later versions of a browser or operating system labeled “Compatible” or “Certified” are provisionally supported by *Blackboard Collaborate* Support unless otherwise noted.

Operating Systems and Web Browsers

Provisional

	Internet Explorer 8 & 9	Internet Explorer 10	Firefox (Latest Stable Release)*	Chrome (Stable Channel)**
Windows® XP	Certified	Unsupported	Compatible	Compatible
Windows Vista®	Certified	Unsupported	Compatible	Compatible
Windows 7	Certified	Unsupported	Compatible	Compatible
Windows 8	Unsupported	Provisional	Provisional	Provisional

	Safari 4.0	Safari 5.0	Safari 5.1	Firefox (Latest Stable Release)*	Chrome (Stable Channel)**
Mac OS 10.5	Compatible	Certified	Unsupported	Compatible	Compatible
Mac OS 10.6	Compatible	Certified	Compatible	Compatible	Compatible
Mac OS 10.7	Unsupported	Unsupported	Certified	Compatible	Compatible - Please review the footnote below if using Java 7 with Mac OS 10.7 and Chrome.
Mac OS 10.8	Unsupported	Unsupported	Certified	Compatible	Compatible - Please review the footnote below if using Java 7 with Mac OS 10.8 and Chrome.



System and Platform Requirements for Blackboard Voice Authoring

*For information on Firefox's public development channels, refer to Firefox's Releases page. All other Firefox channels are unsupported. (<http://www.mozilla.org/en-US/firefox/channel/#firefox/firefox-desktop>)

**For information on Chrome's release channels, refer to the Chrome Release Channels page. All other Chrome channels are unsupported. (<http://www.chromium.org/getting-involved/dev-channel>)

Please note - Chrome does not support Java 7 on the Mac platform. A 64-bit browser (Safari or Firefox, for example) is required to run Java 7 on Mac OS X. 32-bit browsers such as Chrome do not support Java 7 on the Mac platform.

Supported Java

Operating System	Java Versions (JRE)
Windows XP, Vista, 7	1.6, 1.7 (Java 6 & 7)
Mac OS X	1.5, 1.6, 1.7 (Java 5, 6 & 7)

System Requirements for Adobe Flash Player 10.1 or Higher (Adobe Flash Player 11 Recommended)

Download Adobe Flash Player

<http://get.adobe.com/flashplayer/>

Microsoft® Windows®

- 2.33GHz or faster x86-compatible processor, or Intel® Atom™ 1.6GHz or faster processor for netbooks
- Microsoft® Windows® XP (32 bit), Windows Vista® (32 bit), Windows 7 (32 bit and 64 bit), Windows 8 (32 bit and 64 bit)
- 512MB of RAM (1GB of RAM recommended for netbooks); 128MB of graphics memory

Mac OS

- Intel Core™ Duo 1.83GHz or faster processor
- Mac OS X v10.6, v10.7, or v10.8
- 512MB of RAM; 128MB of graphics memory



System Requirements for QuickTime 7.7.4 for Windows XP, Windows Vista, or Windows 7

Download QuickTime 7

<http://www.apple.com/quicktime/download/>

- Windows XP (Service Pack 2 or later), Windows Vista or Windows 7
- A PC with at least a 1GHz Intel or AMD processor
- At least 512MB of RAM

System and Platform Requirements for Java 6 & 7

Download Java

<http://www.java.com/en/>

- Pentium 2 266 MHz or faster processor
- At least 128 MB of physical RAM is recommended*
- A minimum of 124 MB of free disk space
- Windows 8 Desktop, Windows 7, Windows Vista, Windows XP, Windows Server 2008
- Chrome does not support Java 7 on the Mac platform
- A 64-bit browser (Safari or Firefox, for example) is required to run Java 7 on Mac OS X
- 32-bit browsers such as Chrome do not support Java 7 on the Mac platform

*Windows XP minimum is 64MB RAM

System and Platform Requirements for Adobe Reader 11.0.04

Download Adobe Reader

<http://get.adobe.com/reader/>

These system requirements are for Adobe® Reader® XI software, v11.0.

Windows

- 1.3GHz or faster processor
- Microsoft® Windows® XP with Service Pack 3 for 32 bit or Service Pack 2 for 64 bit; Windows Server® 2003 R2 (32 bit and 64 bit); Windows Server 2008 or 2008 R2 (32 bit and 64 bit); Windows 7 (32 bit and 64 bit); Windows 8 (32 bit and 64 bit)



System and Platform Requirements for Adobe Reader 11.0.04

- 512MB recommended
- 320MB of available hard-disk space
- 1024x768 screen resolution
- Internet Explorer 7, 8, 9, or 10; Firefox Extended Support Release; Chrome

Mac OS

- Intel® processor
- Mac OS X v10.6.4, v10.7.2, or v10.8
- 1GB of RAM
- 350MB of available hard-disk space
- 1024x768 screen resolution
- Safari 5.1 for Mac OS X v10.6.8 or v10.7.2; Safari 5.2 for Mac OS X v10.8; Safari 6.0 for Mac OS X v10.7.4 or v10.8