Ascend Technology Requirements

Ascend is designed to be accessible to students and teachers from school or at home, on any Internet-connected computer. Ascend supports Internet Explorer on PCs and Safari or Firefox on Macintosh computers. In addition, three free browser plug-ins are required, and are already present on most computers. See "Installing Required Plug-ins" for more information about the required browser plug-ins.

Recommended Technology Setup

Chrome:

Chrome OS 24
2 GB RAM or higher
300 MB free hard drive space
Intel Celerion 1.1GHz or higher

Mac:

Mac OS 10.7
Safari 5 or higher

Firefox 10 or higher
2 GB RAM
300 MB free hard drive space
Pentium Core 2 Duo or higher

Windows:

Windows 7
IE 9.x or higher
2 GB RAM
300 MB free hard drive space
Pentium Core 2 Duo or higher

Monitor/Video Card Requirements:
Resolution: 1024 X 768

Plugins:

Flash 11 or higher
Adobe Acrobat 9 or higher
Java 1.7.0_01 or higher

Minimum Technology Setup

Chrome:

Chrome OS 24
2 GB RAM or higher
300 MB free hard drive space
Intel Celerion 1.1GHz or higher

Windows:

Windows XP
IE 8.x or higher
512 MB RAM
300 MB free hard drive space
1.6 MHz Pentium 4

Mac:

Mac OS 10.5
Safari 5 or higher
Or
Firefox 4 or higher
512 MB RAM
300 MB free hard drive space

Monitor/Video Card Requirements:
Resolution: 800 X 600

Plugins:
Flash 10.1 or higher
Adobe Acrobat 8 or higher
Java 1.6.0_25 or higher

Tablets Supported

iPads with iOS 4 or higher
Nook Tablet with Android 2.3 or higher

Most tablets running Android 2.3 or higher

*Some explorations cannot be displayed on tablets and will have to be viewed on a standard computer.

Specific Web and IP Addresses

The following URL and IP addresses need to be made available on any machine that will be using Ascend. The IPs and URLs will need to be added to your network firewall. Also, please ensure that pop-ups are allowed for the below URLs as well.

URLs:
http://www.siascend.com/Ascend/
http://fss26.streamhoster.com/ascendedu
http://cdn.mathjax.org/mathjax/latest/

IP addresses:
64.26.31.117
67.228.145.232
The following ports will need to be open and accessible to the students: 80, 443, or 1935.

Bandwidth Requirements

The required streaming rate of the videos is 62.5 KB/S for each student. The following calculations are based on how many students will be concurrently using Ascend, not how many student licenses you have. For example, if 5 students are streaming at the same time, the required streaming rate is 5 * 62.5 KB/S = 312 KB/S. If 25 students are streaming at the same time, the required streaming rate is 25 * 62.5 = 1562.5 KB/S or about 1.5 MB/S.

Workstation Compatibility Test - "Run Test"

- The Compatibility Test is generated by clicking "Run Test" on the login page.
- The Compatibility Test scans to confirm workstations have supported OS, browsers
- and plugins required for Ascend to function properly.
- This is available to any users who can access www.siascend.com.
  Workstation Wizard:

Network Wizard

- The Network Wizard is designed to allow schools to test and confirm access to Ascend Math prior to schools having an Ascend login.
- The Network Wizard has all the functionality of the Workstation Wizard. The difference is that it is a direct URL that can be run separately from Ascend.
- The Direct Link may be emailed to tech evaluators.

The link to the Network Wizard is www.siascend.com/setup.