

Ascend Technology Requirements

Ascend is designed to be accessible to students and teachers from school or at home, on any Internet-connected computer or tablet. Ascend supports Microsoft Edge or Google Chrome on PCs and Safari or Google Chrome on Macs.

Required Domains

The following domains and their subdomains need to be made available on any device that will be using Ascend. If you use Microsoft Edge for filtering, the domains will need to be added to Edge's trusted sites.

Domains:

streamhoster.com
ascendmath.com
myascendmath.com

Recommended Device Setup

PC:

Operating System: Windows 10
Browsers: Microsoft Edge OR Google Chrome 80
8 GB RAM

Mac:

Operating System: Mac OS 14
Browsers: Safari 12 or higher OR Google Chrome 80
8 GB RAM

Chrome Book:

Operating System: Chrome OS 75
Browser: Google Chrome 75
2 GB RAM or higher

Tablets:

iPads with iOS 14 or higher
Most Android tablets running Android 9 or higher
Nook Tablet with Android 9 or higher

Minimum Device Setup

PC:

Operating System: Windows 8.1
Browser: Microsoft Edge OR Google Chrome 69
4 GB RAM
600 MB free hard drive space
Intel i3 or higher

Mac:

Operating System: Mac OS 13
Browser: Safari 11 or higher OR Google Chrome 69
4 GB RAM
600 MB free hard drive space
Intel i3 or higher

Chrome Book:

Operating System: Chrome OS 69
Browser: Google Chrome 69
2 GB RAM or higher
300 MB free hard drive space
Celeron 1.1GHz or higher

Monitor/Video Card Requirements:

Resolution: 1024 X 768

Plugins:

For Administrators and Teachers Only:
Adobe Reader 9 or higher

Tablets:

iPads with iOS 12 or higher
Most Android tablets running Android 8 or higher
Nook Tablet with Android 8 or higher

DNS

Specific Domains:

The following domains and their subdomains need to be made available on any device that will be using Ascend. If you use Microsoft Edge for filtering, the domains will need to be added to Edge's trusted sites.

Domains:

streamhoster.com

ascendmath.com

myascendmath.com

DNS Settings:

If you are running your own DNS server, you will need the following addresses

www.myascendmath.com resolves to 52.42.22.70

m.myascenmath.com resolves to 52.35.15.110

g.myascendmath.com resolves to 52.10.248.125

kb.myascendmath.com resolves to 52.10.76.152

streamhoster.com resolves to 149.28.254.222

web29.streamhoster.com resolves to 184.171.165.235

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 $5 * 62.5 \text{ KB/S} = 312 \text{ KB/S}$. If 25 students are streaming at the same time, the required streaming rate is $25 * 62.5 = 1562.5 \text{ KB/S}$ or about 1.5 MB/S.

62.6