



Kite® Student Portal Bandwidth Requirements

During testing, Kite Student Portal communicates with our servers, both retrieving test questions and sending student responses.

Internet Speeds and Data Transfer Rates

Internet speed is typically measured in kilobits per second (kbps) or megabits per second (Mbps). Note that line speed and amount of bandwidth available for transferring data are rarely the same. Due to factors such as network configuration, latency, and other data needs, most locations find that only a percentage of their internet connectivity is truly available for data transfer at any given time.

Some internet service providers (ISPs) may describe bandwidth in terms of data transfer rates rather than internet speed. Data transfer rates are usually measured in kilobytes per second (kBps) or megabytes per second (MBps). To compare data transfer rates to internet speed, you may convert kBps to Mbps using the following formula: **kBps x 125 = Mbps**.

Internet speed requirements to operate Kite Student Portal can be found below, along with the closest commonly referenced data transfer rates in parentheses.

Testing

Number of Students	Minimum megabits per second	Recommended megabits per second
1	3 Mbps (about 375 kilobytes per second)	5 Mbps (about 625 kilobytes per second)

Note: To determine bandwidth requirements for your students running Student Portal, multiply Mbps by number of students testing at the same time. For example, if you have 200 students testing at the same time, then a bandwidth of 3 Mbps x 200 students or 600 Mbps is required.

This does not include bandwidth required for other Internet traffic, such as email or connections to your Student Information System.



Testing With an LCS

Depending upon the bandwidth available at your location and the number of students testing at one time, you may benefit from using a Local Caching Server (LCS) to manage the flow of data during testing.

Note: Using an LCS lowers the minimum bandwidth that your location will need during testing.

Number of Students	Minimum megabits per second	Recommended megabits per second
Any	1 Mbps (about 125 kilobytes per second)	5 Mbps (about 625 kilobytes per second)