



# KITE SUITE SYSTEM REQUIREMENTS

2019-20

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# Kite<sup>®</sup> Suite System Requirements

The Kite<sup>®</sup> Suite provides an online testing interface for students that includes practice items. Components include

- Kite Student Portal, an application students use to take tests
- Kite Educator Portal, an application that allows educators to manage student data, enroll students in instructionally embedded assessments and retrieve test tickets

Kite system features include

- easy-to-use navigation through test items and test sections
- built-in accessibility tools for improved student access
- the ability to include technology-enhanced and technology-enabled item types for more realistic ways of assessing student skills

This document details all Kite Student Portal and Educator Portal system requirements for the 2019-20 school year.

## Supported Hardware

The following hardware is supported for Kite Student Portal:

- PC
- Mac
- Chromebook
- iPad

## Supported Operating Systems

The following operating systems are supported for Kite Student Portal:

- Windows 7, 8.1, and 10
- macOS 10.13–10.15
- ChromeOS 72+
- iOS 10.3–12 and iPadOS 13.1

For the **2020-21** school year, the following operating systems will no longer be supported:

- Windows 7

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## Kite Student Portal Screen Requirements

The minimum screen resolution required for Student Portal is 1024x768.

If you notice the media/text in a test session is exceeding the section borders in Kite Student Portal, your testing device may be defaulting to a display scale that is too large.

- If your device's recommended screen resolution is **1366x768**, we suggest that the display scale does not exceed **100%**.
- If your device's recommended screen resolution is **1600x900**, we suggest that the display scale does not exceed **100%**.
- If your device's recommended screen resolution is **1920x1080**, we suggest that the display scale does not exceed **125%**.

## Kite Educator Portal Supported Browsers

The following browsers are supported for Kite Educator Portal:

- Mozilla Firefox
- Google Chrome
- Microsoft Edge
- Safari

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# Kite Suite – Whitelist Settings

During testing, educators and students will need to communicate with Kite servers. If your location uses a firewall, be sure to whitelist the following domains so that Kite Student Portal will function correctly.

## Please whitelist the following URLs:

\*.kiteaai.org

<https://ssl.google-analytics.com>

**If you are unable to whitelist wildcards, please whitelist the URLs below:**

<https://educator.kiteaai.org>

<https://student.kiteaai.org>

<https://ssl.google-analytics.com>

<https://kite-ohkp-student-login.kiteaai.org/>

<https://kite-ohkp-secondary-student-login.kiteaai.org/>

<https://kite-ohkp-student-click-history.kiteaai.org/>

<https://kite-ohkp-secondary-student-click-history.kiteaai.org/>

<https://kite-ohkp-student-kelpa-audio.kiteaai.org/>

<https://kite-ohkp-secondary-student-kelpa-audio.kiteaai.org/>

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# Kite Student Portal – Bandwidth Requirements

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

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**Note: Using a Local Caching Server (LCS) lowers the total amount of bandwidth that your location will need during testing.**

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Kite Student Portal is designed to use bandwidth efficiently. Student responses are transmitted to the Kite servers as they are answered. This approach minimizes bandwidth needs for all schools/districts. Kite Student Portal preserves student responses during interruptions caused by power or network loss and sending once power or the network is restored.

## Internet Speeds

Internet speed is typically measured in kilobits per second (kbps) or megabits per second (mbps). Note that line speed and amount of bandwidth actually available for transferring data are rarely the same.

Because of multiple factors, including network configuration, other data needs, and latency, most locations find that only a percentage of their internet connectivity is actually available to transfer data at any given time.

## Data Transfer Rates

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 kilobytes per second (KBps) to megabits per second (mbps) using the following formula:  $\text{KBps} \times 0.008 = \text{mbps}$ . For convenience, we have listed the internet speed requirements below along with the closest commonly referenced data transfer rates in parenthesis.

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## Without an LCS

Number of Students	Minimum megabits per second	Recommended megabits per second
1	<b>3 mbps</b> (about 384 kilobytes per second)	<b>5 mbps</b> (about 512 kilobytes per second)

Hint: Multiply mbps by number of students testing at the same time.

## With an LCS

Number of Students	Minimum megabits per second	Recommended megabits per second
Any	<b>1 mbps</b> (about 125 kilobytes per second)	<b>5 mbps</b> (about 512 kilobytes per second)