RENAISSANCE®

MKAS² K-Readiness Technical Recommendation

Please provide a copy of this document to your school administrator or technical representative for review.

- It is the responsibility of customers to keep their computers, networks, operating systems, and third-party software up-to-date and functional based on the recommendations below. We will continue to evaluate system requirements and do our best to provide advance notice when it becomes necessary to raise our requirements. The recommended technologies included in this document were defined at the time this product was developed. We will do our best to support new technologies that ship after this product was developed, but cannot recommend those until they are officially supported. For the most up-to-date system requirements, please check online at http://www.mde.k12.ms.us/mkas2.

- If you have any technical questions about MKAS², call **(800) 338-4204**.

Client	Recommended
Web Browser	• IE 10.x-11.x • The five most recent versions of Chrome and Firefox • Safari 7 and later for Apple computers and iPads
Operating System	• We will no longer specify operating system versions in our environments going forward because browser versions are consistent across the supported OS in the market today. • Please note: The browser changes above effectively end support for Windows XP, Windows Vista, and Apple computers running OS X v10.6-10.8.
Screen Resolution	• 1024 x 768 display resolution
Internet Connection	• Broadband Internet connection (DSL, satellite, or cable)
Mobile Devices	• Chromebooks • Tablets 7" or greater. • First generation iPads will no longer be supported.

	• Android devices must run Android version 4.1 or later. • iOS app will no longer be supported. • Note: Star Early Literacy testing in Safari 9 (iPad or computer) is not supported.
Components	• Adobe Reader 9 or later to view reports - Administrator interface only • Adobe Flash Player 10.0 or later - Student interface, **when using a minimum browser/version**

- Verify you have adequate bandwidth to support usage estimates. Below is a chart showing bytes sent to and received from the MKAS hosted site testing for one student. Only traffic to and from the client computer is represented here. You can use these single-student estimates to approximate bandwidth requirements based on the maximum amount of students you will test at one time.

Application	Task	Sent to Server	Received from Server	Total
Pre-K Readiness	Test	419.9 KB	3,962.4 KB	4,382.3 KB
3rd Grade Reading Gate	Test	262.8 KB	866.0 KB	1,128.8 KB

ADDITIONAL CLIENT REQUIREMENTS AND RECOMMENDATIONS

- ActiveX controls and plug-ins need to be enabled if using Internet Explorer on Microsoft Windows operating systems.

- There are a number of client applications/plug-ins that are required for MKAS use, which include Adobe Reader and Adobe Flash Player. All client applications/plug-ins should be installed as a local administrator to the workstation.

- If using a firewall, proxy, and/or content filter, some changes may need to be made for Renaissance Place applications to function properly.

- Numerous errors will occur in the software if the proxy server caches MKAS web pages. Accessing the site via HTTPS may prevent the proxy from caching pages. However, you

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may want to configure your network so that users bypass the proxy server entirely when accessing MKAS.

- Allow access to Renaissance resources to be sure the software functions as designed. Add an exception within your firewall, proxy, or content filtering software to allow inbound and outbound http and https communication with the *.renlearn.com domain as well as access to and from *.renlearnrp.com.

- For a complete list of Renaissance resources used by Renaissance Place, see Knowledge Base article #9345286: http://support.renlearn.com/techkb/techkb/9345286e.asp.

- Allow inbound and outbound http and https communication access to ajax.googleapis.com (hosted by Google) and ajax.aspnetcdn.com (hosted by Microsoft). Certain Renaissance Place features access JavaScript libraries from these content delivery networks; you must allow access to these sites to ensure the software functions as designed.

- If pop-up blockers have been installed on the workstations, you will need to either disable or uninstall your pop-up blocker, or allow pop-ups from your Renaissance Place website. See Knowledge Base article #4751376 for more information: http://support.renlearn.com/techkb/techkb/9345286e.asp.

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