



System Requirements

General DataManager System Requirements			
Operating System	Web Browser	Software	Screen Resolution
Windows 10	Microsoft Edge or the current version of Firefox Javascript must be enabled Current version of Chrome	Adobe Reader 9.0 or higher Adobe Flash player for training videos	Minimum: 1024x768 screen resolution
Windows 8	Microsoft Internet Explorer 10 and up or the current version of Firefox Javascript must be enabled Current version of Chrome		
Windows 7	Microsoft Internet Explorer 8 and up or the current version of Firefox JavaScript must be enabled Current version of Chrome		
Mac OS X 10.6 Snow Leopard or higher	Safari 5 or the current version of Firefox JavaScript must be enabled		
System Requirements for reporting (PC and Mac) Processor: 2 GHz or faster processor RAM: 2 GB RAM or more is recommended for optimal performance			
Internet/Network Requirements			
High Speed Internet connection			

Online Testing Student Workstation System Requirements

Student System Requirements for Online Testing			
Operating System	Web Browser	Software	Screen Resolution
Windows 10	Microsoft Edge	Adobe Reader 9.0 or higher	Minimum: 1024x768 screen resolution
Windows 8	Microsoft Internet Explorer 10 and up JavaScript must be enabled		
Windows 7	Microsoft Internet Explorer 8 and up JavaScript must be enabled Internet Explorer 8 requires Adobe Flash 11.8 or higher for Audio test administrations		
Mac OS X 10.6 Snow Leopard or higher	Safari 5 JavaScript must be enabled		
iPad 2 or higher	iOS 7 and up	HMH DATAMANAGER student testing app (App Store download)	
Chromebook	Chrome OS (current version)	HMH DataManager student testing app (Chrome Web Store download)	
<p>Processor: 1 GHz or faster processor</p> <p>RAM: 1 GB RAM or more is recommended for optimal performance</p> <p>Turn off automatic updates during the testing window.</p>			

Online Testing System Checker

The System Checker provides tools that allow a school to analyze the key points of test delivery such as computer compatibility, internet connection, and local network infrastructure. It also launches a sample test to ensure the workstation is capable of delivering all item types (including audio).

Run the System Checker at multiple times during the day on different days, ideally on the days of the week and times of the day at which you plan to test. Other users streaming multimedia will use large amounts of bandwidth and reduce both the available bandwidth and the number of simultaneous test takers.

Recommended bandwidth is (105 kbps/online test).

The System Checker is accessed from the following URL:

<https://www.programworkshop.com/PW2/SiteReadiness/1.1/Home/Home/Home?SK=48&seq=1>

Online Testing Secure Browser

The Secure Browser opens the student login page using a browser window (Internet Explorer or Safari). It places the computer into a kiosk mode to prevent the student from using other programs on the workstation. This preserves the integrity of the test and prevents students from accessing other websites and performing certain actions that could interrupt the test or cause invalid test results.

The Secure Browser is a small, stand-alone executable file that can run from the desktop. It does not require an install. The executable file needs to be placed on each student workstation that will be used for testing. The Secure Browser is available for download from the DataManager Product Information page:

<http://www.hmhco.com/hmh-assessments/data-and-learning-management/datamanager#online-testing>

Online Testing Screen Resolution

Check each workstation to ensure that the display is set at recommended screen resolution for that monitor. The minimum screen resolution for the test is 1024 x 768 and should not exceed 1440 x 900.

DPI scaling and other advanced display settings should be set to default. The Windows default setting for DPI scaling is 96 dpi (normal). The Mac OS default setting for DPI scaling is 72 dpi.

Note: Any changes to screen resolution must be made prior to testing or during the practice session. Settings cannot be changed once a test session has begun.

Online Testing with Wireless Networks

If you are using a wireless network (Wi-Fi), please consult your local technical administrator to ensure your network adheres to best practices for wireless network design.

The number of devices per access point should be less than the vendor's recommendation. In addition, we recommend wireless access points with 802.11n capability using WPA2 encryption with a 100BASE-T uplink to the local area network.

To reduce wireless network bottlenecks, use access points with 802.11n simultaneous dual-band (2.4 GHz and 5 GHz) with Gigabit uplink to the local area network.

Nearby and "rogue" wireless networks, specifically those from mobile hotspot devices and smartphone tethering, will impact test performance.

If you have any questions or need assistance, please contact the *DataManager* Support Center Monday through Friday.

Phone: 1-877-246-8337

Email Contact: help@hmhdatamanager.com

Software Support Hours: 7:00 AM–7:00 PM (CST) Monday through Friday