



Illinois
State Board of
Education



ILLINOIS SCIENCE ASSESSMENT 2023

System Requirements for the Summative 2023 Illinois Science Assessment & QUISBE

September 12th, 2022

v.1

These system requirements are for recommended devices, browsers, and operating systems for test-taker workstations. The system has been tested against these specifications and any reported issue resolved accordingly. However, the system may fully function or partially function with non-specified devices, browsers, and operating systems.

Secure Testing Requirements for the ISA

In order to deliver summative student tests, all testing devices will be required to have the correct version of the Safe Exam Browser (SEB) deployed. Please follow the instructions found on the ISBE ISA site (isbe.net/isa) under the “Assessment Technology Requirements” tab for additional installation instructions. Secure browsers are **not** required for QulSBE

Hardware Requirements

PC Processors

- x64; AMD, ARM*, or Intel-based™ 2.4 GHz or better
- Notes:
 - *May be slightly reduced for Mac users*
 - *x86/x32 has reached end of life and will no longer be supported*

RAM

- 2GB or better is required

Screen Resolution

A minimum screen resolution of 1366 X 768 or higher is recommended

Screen Size

9.5-inch screen or better

Color Depth

High Color, 16 Bit

Input Devices

Wired or wireless keyboard w/ mouse or touchpad

Audio

Wired earbuds or headphones are required for assessments if students choose to use the Text-to-Speech accessibility feature. Bluetooth headsets are not permitted.

Disk Space

100MB free space

Touchscreen

Integrated touchscreen devices for Windows PCs, Chromebooks, and iPads are supported.

Software Requirements

PC Operating System(s)

- Windows 10 (64-bit); Windows 11 (64-bit)

Mac Operating System(s)

- macOS 10.15, 11.x, 12.x

Chromebook

- Chrome OS – 102+ (typically 5 current versions)

iPad

- iOS 15.x
- iPadOS 15.x

Target browsers

Auto-update is recommended for Chrome and Firefox browsers.

Windows OS	IE11	Chrome	Firefox	Edge (Chromium-based)
Win 10 Recommended	No	102+	100+	Yes
Win 11	No	102+	100+	

Mac OSX	Safari	Chrome	Firefox
10.15	15.0+	102+	100+
11.x Recommended	15.0+	102+	100+
12.x Recommended	15.0+	102+	100+

Chrome OS
Chrome 102+

Note: Chromebooks or Chrome boxes

iOS/iPadOS
Safari 15 or later

Browser Specifications

Cookies, JavaScript, Images enabled

Frameworks/3rd party app components

None.

Touch Screen Compatibility

Integrated touchscreen devices for Windows PCs, Chromebooks, and iPads are supported.

Tablets

These are the specifications targeted for a user of the system's own mobile device.

Platform

In scope	Version
Apple iOS	15.0 or later
Apple iPadOS	15.0 or later
Android	Not Supported

Screen size

It is required that tablets have a 9.5 inch or larger screen.

Infrastructure Specifications

Bandwidth

The following table identifies the requirements for Internet connectivity to conduct an ISA assessment:

Minimum	Recommended
380 kb/sec/student	450 kb/sec/student

Connectivity to the Internet is required to start, take, and complete the assessment. Constant internet connectivity is required at the minimum bandwidth. For reference, the item content of the entire test section JSON is downloaded into memory **when the test starts**. Images are not downloaded until the related question is reached during the test. If a student loses connectivity in the middle of test session, he or she can still navigate between items and view the items, but there's a chance they will not see the images and their answers will not be saved unless connection is re-established.

NOTE: The 380 kb/sec per student is only required when the test is INITIALLY logged into as the entire test file is downloaded into the device's memory at that point. Once the student has begun testing, lower network speeds are acceptable.

Minimum Testing Station Specifications

If testing on **Windows Desktop/Laptop** devices:

Item	Minimum	Recommended
PC Processor	2.4 GHZ x64; AMD, ARM, or Intel-based™	
RAM	2 GB	4 GB
Operating System	Windows 10	Windows 10, Windows 11
Screen Resolution	1366 x 768	

If testing on **Mac Desktop/Laptop** (not tablets) devices:

Item	Minimum	Recommended
Processor	Intel CPU or Apple M1	
RAM	2 GB	4 GB
Operating System	macOS 10.15	macOS 11.x, 12.x, 13.x(TBD)
Screen Resolution	1366 X 768	

If testing on **Chromebook/Chromebox** devices:

Item	Minimum	Recommended
<i>Processor</i>	Any	Any
<i>RAM</i>	2 GB	4 GB
<i>Operating System</i>	102	103+
<i>Screen Size</i>	9.5"	

If testing on **iPad** devices:

Item	Notes
<i>Operating System</i>	<ul style="list-style-type: none"> • iOS/iPadOS 15.0+
<i>Supported Devices</i>	<ul style="list-style-type: none"> • iPad Pro 9.7 inch + • iPad Air (4th generation) • iPad Air (3rd generation) • iPad Air 2 • iPad 5th generation • iPad 6th generation • iPad 7th generation • iPad 8th generation • iPad 9th generation
<i>Screen Size</i>	9.5" or larger