



Illinois
State Board of
Education



ILLINOIS SCIENCE ASSESSMENT 2020-2021

System Requirements for the Summative 2021 Illinois Science Assessment (ISA)

Feb 12, 2021

v.6

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

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 for additional download information.

Hardware Requirements

PC Processors

- x86/x32 and x64; AMD, ARM*, or Intel-based™
- 2.4 GHz or better (may be slightly reduced for Mac users)

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

Earbuds, headphones are required for assessments if students choose to use Text-to-Speech

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
- *Note: Windows 7 and Windows 8.1 will not be supported for the 2021 ISA.*

Mac Operating System(s)

- Mac OSX 10.13 – 10.15
- *Note: Mac OS 11.x (Big Sur) is not explicitly supported for the 2021 ISA*

Chromebook

- Chrome OS 83 - 88

iPad

- iOS 12.0 or later (12-14.x)
- iPadOS 13.1 or later

Target browsers

Auto-update is recommended for Chrome and Firefox browsers.

Windows OS	IE11	Chrome	Firefox	Edge
Win 10 Recommended	Yes	83-88	68+	Yes

Mac OSX	Safari	Chrome	Firefox
10.13 Recommended	12.0+	83-88	68+
10.14 Recommended	12.0+	83-88	68+
10.15 Recommended	12.0+	83-88	68+

Chrome OS
Chrome 83-88

Note: Chromebooks or Chromeboxes

iOS/iPadOS
Safari 12 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	12.0 or later
Apple iPadOS	13.1 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
250 kb/sec/student	300kb/sec/student

Connectivity to the Internet is required to start, take, and complete the assessment. Constant internet connectivity is required at the minimum bandwidth. Additionally, today, 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.

Minimum Testing Station Specifications

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

Item	Minimum	Recommended
PC Processor	2.4 GHZ x86/x32 and x64; AMD, ARM, or Intel-based™	
RAM	2GB	4 GB
Operating System	Windows 10	Windows 10
Screen Resolution	1366 x 768	

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

Item	Minimum	Recommended
Processor	Intel CPU	
RAM	2GB	4 GB
Operating System	Mac OSX 10.13	Mac OS 10.13 -10.15
Screen Resolution	1366 X 768	

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

Item	Minimum	Recommended
<i>Processor</i>	Any	Any
<i>RAM</i>	2GB	4 GB
<i>Operating System</i>	83	83-88
<i>Screen Size</i>	9.5"	

If testing on **iPad** devices:

Item	Notes
<i>Operating System</i>	<ul style="list-style-type: none"> • iOS 12.0 or later • iPadOS 13.1 or later
<i>Supported Versions</i>	<ul style="list-style-type: none"> • iPad Pro 9.7 inch + • iPad Air (4th generation) • iPad Air (3rd generation) • iPad Air 2 • iPad Air • iPad 5th generation • iPad 6th generation • iPad 7th generation • iPad 8th generation
<i>Screen Size</i>	9.5" or larger