

System Requirements

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1. Introduction

i-Ready combines a valid and reliable adaptive K–12 Diagnostic with individualized K–8 student online and teacher-led instruction in a single product. This document summarizes the requirements for running *i-Ready*, along with procedures for checking your system requirements. As well as being a product, *i-Ready* serves as a platform for *i-Ready Standards Mastery*, *i-Ready Learning Games*, *Teacher Toolbox*, and *Ready Classroom Mathematics*.

2. Upcoming Requirements for Back to School 2020

As *i-Ready* continues to enrich the content provided to teachers and students, the requirements to run this content will change over time. Below is a preview of what is changing for the Back to School season of 2020.

2.1 iPad Support in the 2020–2021 School Year

Beginning in the 2020–2021 school year, we recommend a minimum of iOS 13 to run the *i-Ready for Students* app. iOS 10 and 11 will no longer support *i-Ready* after this summer. Educators will want to ensure students are using an iPad that supports iOS 13 or higher with the latest OS updates. Students with iPads on iOS 12 will still be able to use the *i-Ready for Students* app, but this is not recommended and will no longer be supported after the 2020–2021 school year.

2.2 Supported Browsers and Operating Systems in the 2020–2021 School Year

The table below outlines the browsers and operating systems that will be supported for the 2020–2021 school year:

Operating System	Edge	Safari	Firefox	Chrome
Windows 7 SP1	N/A	N/A	74 or higher	81 or higher
Windows 10 1803 (April 2018 Update)	81 or higher	N/A	74 or higher	81 or higher
OS X 10.12	N/A	12.1 or higher	74 or higher	81 or higher
OS X 10.13–10.15		13.1 or higher	74 or higher	81 or higher
Google Chrome OS	N/A	N/A	N/A	81 or higher

2.3 New *i-Ready* URL

At the start of the 2020–2021 school year, *i-Ready* will move from **login.i-ready.com** to **connect.i-ready.com**. Whitelists in firewalls, content filters, and other security appliances should be updated accordingly.

3. Current System Requirements

3.1 Supported Browsers and Operating Systems

OS and browser requirements are listed in the following table:

Operating System	IE	Edge	Safari®	Firefox®	Chrome*
Windows 7 SP1	Not Supported	N/A	N/A	66 or higher	74 or higher
Windows 10 1803 (April 2018 Update) or higher	Not Supported	17 or higher	N/A	66 or higher	74 or higher
MacOS X 10.11	N/A	N/A	12.1 or higher	66 or higher	74 or higher
MacOS 10.12–10.14	N/A	N/A	12.1 or higher	66 or higher	74 or higher
Google Chrome OS™	N/A	N/A	N/A	N/A	74 or higher

For the best user experience, Curriculum Associates recommends Google Chrome. Enabling auto-update is strongly recommended. For details regarding user experience with different browser versions, please see our Technical FAQ guide located here: <http://i-readycentral.com/pdfs/i-ready-technical-faqs-troubleshooting-guide/>.

Additionally, *i-Ready* may occasionally retire support for older versions of supported browsers as newer versions are released.

*Due to a bug in Chrome 77, Curriculum Associates recommends Chrome 78 or higher. Forced Dark Mode in Chrome is not supported at this time.

Safari® and OS X® are registered trademarks of Apple Inc. Firefox® is a registered trademark of the Mozilla Foundation. Chrome OS™ is a distinctive brand feature of Google Inc.

3.2 Firewall/Content Filter Requirements

Firewalls, content filters, proxy servers, and virus scanning software can all significantly impact *i-Ready* performance, even in cases where network bandwidth appears sufficient. When possible, bypass any content filters or proxy servers, and/or make sure that proxy server cache and other settings are configured properly to avoid network bottlenecks. Ensure automatic virus scanning (both at user workstations and at the network level) is occurring during off hours.

The following domains need to be added to the “safe list” (often called the “whitelist”) on all network firewalls, web proxy servers, and/or content filters:

	Required to be added to safe list for access to any <i>i-Ready</i> experiences	Additionally, these are required to be added to the safe list specifically for access to <i>i-Ready Learning Games</i> and <i>i-Ready Standards Mastery</i>
If you can whitelist by wildcard domain, whitelist:	<ul style="list-style-type: none"> • *.i-ready.com • *.vidyard.com • *.cainc.com • *.curriculumassociates.com • i-readycentral.com • teacher-toolbox.com 	<ul style="list-style-type: none"> • *.learnosity.com • *.cloudfront.net • *.i-ready.com

If you can whitelist by domain (no wildcards), whitelist:	<ul style="list-style-type: none"> • login.i-ready.com • cdn.i-ready.com • cainc.i-ready.com • content.i-ready.com • help.i-ready.com • sso.i-ready.com • i-readycentral.com • securemail.cainc.com • sftp.i-ready.com • teacher-toolbox.com • api.i-ready.com • pd.i-ready.com • hec.i-ready.com • ca.vidyard.com • play.vidyard.com • embed.vidyard.com • support.curriculumassociates.com 	<ul style="list-style-type: none"> • items.learnosity.com • items-va.learnosity.com • assess.learnosity.com • assess-va.learnosity.com • questions.learnosity.com • questions-va.learnosity.com • eventbus.learnosity.com • eventbus-va.learnosity.com • events.learnosity.com • events-va.learnosity.com • reports.learnosity.com • reports-va.learnosity.com • assets.learnosity.com • annotations.learnosity.com • annotations-va.learnosity.com • shared.learnosity.com • dw6y82u65ww8h.cloudfront.net • g.i-ready.com • g-api.i-ready.com • g-accounts.i-ready.com • g-log.i-ready.com • g-statssc.i-ready.com
Ports to Allow	443 and 80	443 and 80

Note: Please also make sure info@about.curriculumassociates.com is added to your email client as a safe sender in order to receive information about product updates.

4. *i-Ready* Support for the iPad

i-Ready is available to students using supported iPads through the *i-Ready for Students* iPad app.

Students must use *i-Ready* on iPads that are compatible with iOS 11 or above, such as the iPad Air, iPad Air 2, iPad Pro, or any other device that meets the requirements in the table below. These students will be able to use the *i-Ready for Students* iPad app and access all assessment and instruction. This app will be continually updated and supported with future releases.

The iPad app is free and available for download through the Apple App Store®. Note that iPad minis are not supported and that the *i-Ready* app is not accessible on other tablets nor the iPhone®.

We officially support all iPad models that meet the following criteria:

- A6X Chipset or greater
- Supports iOS 11 or greater
- Screen resolution: 2048-by-1536 at 264 pixels per inch (ppi)
- Screen diagonal of 9.7 inches**

iOS*	iPad Model
iOS 11.3+	iPad Air (2013) iPad Air 2 (2014) iPad Pro 9.7" (2016)** iPad 5 (2017) iPad 6 (2018)
iOS 12.1+	iPad Pro 10.5" (2017) iPad Pro 9.7" (2018) iPad Pro 11" (2018)

*The *i-Ready for Students* iPad app requires the use of iOS 11.

**We have not fully certified the 12.9" version of the iPad Pro. This iPad runs at a different resolution with different diagonal dimensions.

Note: iOS 10 is no longer supported.

App Store®, iPad®, and iPhone® are registered trademarks of Apple, Inc.

4.1 *i-Ready* Learning Games Support for the iPad

i-Ready Learning Games are available to districts for the 2019–2020 school year for students when *i-Ready Instruction* for Mathematics is purchased. They're now fully available within the *i-Ready for Students* app. However, if students don't have the latest version, they can still access the games by using the *i-Ready* Learning Games app. The *i-Ready* Learning Games app is free and available for download through the Apple App Store. Note that this app is not supported on iPad minis and is not accessible on other tablets or on any phones.

5. General Requirements

5.1 Other *i-Ready* Required Software

- (Windows only) Adobe Reader®—The latest version of Adobe Reader can be downloaded here: <http://get.adobe.com/reader>.

Adobe® Reader® is a registered trademark of Adobe Systems Inc. in the United States and/or other countries.

5.2 Browser Settings

i-Ready requires the following settings for the web browser:

- JavaScript® must be enabled.
- Cookies must be enabled.
- Pop-ups must be allowed for login.i-ready.com for teacher reports.

JavaScript® is a registered trademark of Oracle, Inc. and its affiliates.

5.3 Minimum Computer Hardware Requirements

Curriculum Associates works toward expanding support for as many devices as possible; the listed hardware specs apply to Windows, Macintosh, and Chromebook™ machines. Hybrid tablets or touch screen-enabled device performance may vary and cannot be listed as tested and approved devices. Please contact our Support team for questions regarding any of the following:

	Windows	Mac OS	Chromebooks*
CPU	Intel® Core™ i3 1.7 GHz (base) or better	Intel® Core™ 2 Duo 2.0 GHz	1.6 GHz or faster (except dual-core Exynos processors)
Memory	4 GB or higher	4 GB or higher	2 GB or higher
Video RAM	256 MB or higher	256 MB or higher	256 MB or higher
Video Resolution	1024 x 768 or greater	1024 x 768 or greater	1024 x 768 or greater
Sound Card and Headphones/Speakers	Yes	Yes	Yes

***Note:** Curriculum Associates recommends Chromebooks with an Octane score of 8000 or higher for an optimal *i-Ready* experience. To test your Octane score, go to <http://chromium.github.io/octane/>.

Chromebook™ is a distinctive brand feature of Google Inc.

5.4 Network Requirements

Curriculum Associates strives to bring students and educators the best content and experience possible. Our move to HTML5 has made the student's learning experience more interactive and engaging than ever. As a result of this improved interaction and engagement, the minimum amount of bandwidth required to use *i-Ready* will be increasing for the 2019–2020 school year from 256Kbps to 512Kbps. As we continue to improve the richness and interactivity of the student experience every year, we recommend 1.5Mbps or higher per device.

Variables such as the number of users, low-performing devices, security appliances (e.g., content filter and firewall), jitter, latency, and so on can greatly influence the way the overall system performs regardless of the amount of bandwidth.

6. Checking Your Computers

The following webpage includes a utility that checks your computer's configuration and network health to make sure *i-Ready* will run smoothly:

<http://cdn.i-ready.com/systemcheck>

For additional support:

Email: i-ReadySupport@cainc.com

Phone: (800) 225-0248

Mon–Fri 7:00 a.m.–9:00 p.m. ET

7. Email Communications Requirements

Email sent from Curriculum Associates (the *i-Ready* and *Ready* teams) comes from the following Email Domains and must be whitelisted by your school or district's technology team to reliably receive implementation support and critical system updates communications:

Email Domains	Email IPs
@cainc.com @i-ready.com @curriculumassociates.com @about.curriculumassociates.com	204.92.26.136

Occasionally, email communications sent by Curriculum Associates do not reach our educators. Below are some common issues and resolutions to allow for the reliable receipt of our emails. If you believe you are not receiving email from us, please do the following:

- **Check your spam filter.** Emails from Curriculum Associates may be seen by your email client as promotional material, junk, or clutter. Checking these folders regularly and flagging our emails as coming from an approved sender will ensure educators stay current with our communications and receive the most up-to-date, best-practice implementation guidance. Look in your spam, junk, or bulk folder for the email. If it is in one of those folders, add the email address to the safe sender list in your email client.
- **Check your Gmail tabs.** If you are on a Gmail-based email system (Google Apps for Business/Education): in order to ensure you see communications emails from us, you may want to ensure they appear in your “primary” tab by dragging the email from another tab to the “primary” section.
- **Contact your district IT team.** If the email communication is not in your spam, junk, or bulk folder, it is possible that your district IT team is using a filtering device (firewall/content filter) that is blocking or slowing down the communication. The team will also be able to tell if the district may be blocking one or more of the IP addresses that we use for our communications. If a district blocks any of these IP addresses, educators may not receive the email from Curriculum Associates (including the *i-Ready* and *Ready* teams). Asking the IT team to whitelist the IP addresses and Email Domains listed above is the best solution to resolve blocked emails.

8. User Provisioning and SSO Requirements

8.1 Provisioning:

Curriculum Associates has the ability to provision data using multiple methods. The preferred provisioning method is Auto Provisioning (AP), which can be accomplished in the following ways:

- District can send data to CA (APCSV)
- For some SISs, CA can access the district’s database and pull the data
- Clever Secure Sync
- OneRoster® 1.1 data standard

8.2 Single Sign-On (SSO):

SSO can be performed using one of the following methods:

- Clever Single Sign-On
 - Clever Badges and Clever Portal are both supported
- SAML Authentication
 - Examples include: ADFS, ClassLink, Stoneware, and other Single Sign-On portals that support SAML 2.0

For additional details regarding User Provisioning or SSO, please contact your Account Manager or Sales Representative.

OneRoster® is a trademark of the IMS Global Learning Consortium, Inc.

9. Miscellaneous Requirements

9.1 Smart Punctuation for iOS 11

For iOS 11 and above, Apple has implemented Smart Punctuation, a feature that replaces some punctuation with something more typographically suitable, for example "straight" quotes with "smart" quotes. As a result, students with an apostrophe (') in their usernames may see an error message when logging in to *i-Ready*, even when their usernames and passwords are inputted correctly.

This issue is a result of Apple's implementation of Smart Punctuation and may affect some students using *i-Ready* as well as other educational software accessed through an iPad. To prevent potential login issues, we encourage educators to disable "Smart Punctuation" in iOS 11 devices by following these instructions:

1. Go to "Settings"
2. Go to "General"
3. Disable "Smart Punctuation"

10.Future Hardware Support

10.1 Future iPad Support

Apple typically provides ~4–6 years of support to new devices. In keeping with manufacturer support timelines, *i-Ready* will begin to block some iPads from logging in with future releases.

The table below lists the dates when certain iPad models will be blocked from signing in to *i-Ready*.

iPad Model	Apple Support Ended	School Year When iPad Will No Longer Be Able to Access <i>i-Ready</i>
iPad 4	18-Sept-2017	2020
iPad Air	24-Sept-2019	2021

iPad Mini 2 and 3 are not supported devices because of their screen size.