Edgenuity Minimum System Requirements

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Operating Systems [1]		Browsers
• Android™ 5.0+ • Apple iOS 10.3+ • Mac® OS X® 10.9+	• Chrome™ OS™ 57+ • Windows® 7, 8, 10	• Chrome • Microsoft® Edge • Firefox® • Safari® * Edgenuity products are tested on the latest supported browser versions. * Internet Explorer is not supported for Middlebury PowerSpeak World Languages.

Processor

- **Processor:** 2.33 GHz AMD® **-or-** Intel® 1.33 GHz
- **Memory:** 1+ GB RAM

Sound [3]	Network / Speed Connection [2]
• OS supported sound card • Microphone, Speakers or Headsets	• LAN 100/1000 switched to desktop • Internet access of 384 kbps per concurrent user • Wi-Fi with 54 mbps access points or better

iPad Data Usage When Using Mobile/Cellular Data Plans

Access to an Edgenuity Media Appliance is unavailable over a mobile data connection. Mobile data usage will average **110 MB** per lesson. Semester courses consist of approximately 40-50 lessons.

Activity Type	Average Download per Activity
Vocabulary	2.1 MB
Warm-up	11 MB
Instruction	73 MB
Online Content	10 MB
Assignment	8 MB

PLEASE NOTE:

1 The Android operating system is supported by Edgenuity, but the Android browser is not. Android users should download and only use the Chrome browser to access Edgenuity.

2 Slow Internet connections will affect the performance of multimedia elements found in the Edgenuity courses. Recommended workstation Internet access speeds are based on use of an Edgenuity Media Appliance.

3 Students will need access to audio capabilities including microphones, speakers and/or headsets.

4 Example mobile devices listed above have been tested to be functional when using Edgenuity. Devices not listed may be used providing they meet the minimum requirements. Smart phone and smart watch devices are not supported by Edgenuity.

Edgenuity Network Requirements and White List

Edgenuity has deployed an Internal Proxy System, ensuring students are on-task and remain safe when using outside content contained within course activities. This also allows Edgenuity to have a smaller, more static White List.

To support the close and active reading of text for students at all reading levels, Edgenuity provides a CloseReader™ toolset for students. The toolset includes word look-up, text highlighters, annotation tools, read-aloud, and translation. Students can use these features on any HTML text within the system, including text within a third-party website accessed from within the Student Portal.

The CloseReader and Internal Proxy System both rely upon the required ports and White List provided below. Some content filters, web proxies, and/or classroom management software may also require white listing the local media appliance (if purchased). Allowing Google sites listed within the White List through a content filter will not open all Google content, as it is referencing specific directories needed for the CloseReader.

The White List for eDynamic Learning courses can be found at https://www.edgenuity.com/support/technical-requirements/.

EDGENUITY NETWORK REQUIREMENTS AND WHITE LIST

Network Requirements [1]

Required Ports

The following outgoing communication ports
For required IP ranges must be applied within the network when using Edgenuity.

Port 80
Port 443

Additional PowerSpeak Protocols

The following protocols are required when using courses containing PowerSpeak content.

*.powerspeak.edgenuity.com
RTMP/E   Port 1935/TCP

*.powerspeak.edgenuity.com
RTMFP   Port 1935/UDP

*.powerspeak.edgenuity.com
RTMP,   RTMPT.HTTP   Port 80/TCP

White List [2]

Required White List

*.edgenuity.com[1]	*.speechstream.net	*.pglms.org
*.edgenuity.us	*.bam.nr-data.net	*.k12hsn.org
*.middil.com	*.ucopenaccess.org	*.learnosity.com
*.education2020.com[1]	desmos.com/calculator	
*.education2020.us	google.com/ jsapi	
*.explorelearning.com	google.com/uds	
emissary.edgenuity.com	*.onetonline.org	
office.microsoft.com	*.brightcove.com	
labs.edynamiclearning.com	el-gizmos.s3.amazonaws.com	

Teacher Specific Required White List

*.box.com	*.box.net	*.boxcdn.net	*.boxcloud.com
*.boxrelay.com	*.zendesk.com	*.zoom.us	*.smartsheets.com
*.walkme.com	d2qhvajt3imc89.cloudfront.net	d3sbxpiag177w8.cloudfront.net	
*.zopim.com	*.zopim.io	*.zdassets.com	

Instructional Services

The additional sites below are required when using *Instructional Services* and *LivePerson®* for tutoring chat purposes.

sas.elluminate.com	liveengage.com	liveper.sn
server.iad.liveperson.net	liveperson.com	lpsnmedia.net
e2020.geniussis.com	liveengage.net	liveperson.net
*.agilixbuzz.com		

COURSE-SPECIFIC WHITE LIST

The courses listed below have associated sites that are required for instruction

All English Language Arts Courseware and MyPath	merriam-webster.com
Career Explorations and Pharmacy Technician	onetonline.com
Career Planning and Development	vark-learn.com/english/page.asp?p=questionnaire
	16personalities.com/free-personality-test
	californiacolleges.edu/#/interest-profiler/test
Texas History and New Mexico History	tsl.state.tx.gov tshaonline.org
Oklahoma History and Government	okhistory.org
MS U.S. History and MS World History	historyguide.org historyworld.net fsmitha.com digitalhistory.uh.edu
Pre-Calculus	themathpage.com richland.edu sosmath.com wtamu.edu math.utk.edu
All AP Courses	collegeboard.org owl.english.purdue.edu
Intro to Information Technology	acc6.its.brooklyn.cuny.edu/~gurwitz/core5/nav2tool.html

1   Ports 80 and 443 must be opened for sites and *Present Outbound Internet Addresses* noted above.

Port 1935 must be opened for sites utilizing Instructional Services.
Proxy and content filters may disrupt communication on all ports.
Ports 80 and 443 must be open for sites noted.

2   Whitelist items must be applied within your network for optimal use. Some items will pertain to general use and/or media appliances, such as Edgenuity website wildcards. Other whitelisted items such as LivePerson and Zendesk® may be used in conjunction with tools utilized for support needs of students and educators.

Edgenuity utilizes mp4 video formatting for course content videos. You will need to ensure mp4s are included for white listed sites within the network and the local Edgenuity media appliance.