

# Imagine Edgenuity®

## Tech System Overview

### Welcome to Imagine Edgenuity

Imagine Learning's solutions are designed for ease of use with deployment, maintenance, and functionality in a typical educational technology environment. The system predominantly runs on a hosted platform housed within secured data centers. Our customers can feel assured student data is safe and secure.

We have taken great care in engineering and designing a robust system with redundancy built in at every level. Multiple levels of backup are incorporated into the onsite and offsite real-time systems. As students and teachers log in to our program, they access servers located within the secured data centers. Student computers will access the Student Portal via the internet with information transfer requirements equivalent to standard website interactions.

### Minimum System Requirements

#### Supported Operating Systems

- Android™ 5.0+
- Apple iOS
- Mac OS
- Chrome™ OS™
- Windows 10 and above

#### Browsers

- Chrome
- Safari
- Microsoft Edge

Only browser versions and Mac/Apple OS versions released within the last six months are supported.

### System Requirements

#### NETWORK/SPEED CONNECTION<sup>1</sup>

- LAN 100/1000 switched to desktop
- Wi-Fi with 54 mbps access points or better
- Internet access of 384 kbps per concurrent user
- 2 mbps per concurrent user is recommended for mobile devices
- Mobile data usage will average 110 MB per lesson. Semester courses consist of approximately 40 lessons.

#### MEMORY/PROCESSOR

- 1+ GB RAM
- 2.33 GHz AMD or Intel 1.33 GHz

#### OTHER

- Students will need access to microphones and headphones
- Students will need access to MS Word and MS PowerPoint, Google Workspace, or similar

## Network Requirements & Allowed URLs

An internal proxy system ensures students are on task and remain safe when using outside content contained within course activities. This also allows for a smaller, more static Allowed URL List.

The internal proxy system both rely upon the required ports and Allowed URL List provided below. Allowing Google sites listed within the allowed URL list through a content filter will not open all Google content, as it is referencing specific directories.

If you are planning to implement EdgeEX with students, please visit <https://sentinel.ex.edgenuity.com/> on a student computer to check that all the required URLs are unblocked for students.

The allowed URL List for eDynamic Learning courses can be found at [imaginelearning.com/support/technical-requirements/](https://imaginelearning.com/support/technical-requirements/).

### REQUIRED PORTS<sup>3</sup>

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

- Port 80
- Port 443

### ADDITIONAL WORLD LANGUAGE PROTOCOLS

The following protocols are required when using heritage (not EdgeEX) world language courses.

\*.powerspeak.edgenuity.com  
RTMP/E Port 1935/TCP  
\*.powerspeak.edgenuity.com  
RTMFP Port 1935/UDP  
\*.powerspeak.edgenuity.com  
RTMP, RTMPT.HTTP Port 80/TCP

Required Allowed URL List <sup>4</sup>		
*.akamaihd.net	emissary.edgenuity.com	*.learnosity.com
*.amazonaws.com	*.ex.edgenuity.com	*.middil.com
*.bam.nr-data.net	*.explorelearning.com	newrelic.com
*.boltdns.net	google.com/ jsapi	office.microsoft.com
*.brightcove.com	google.com/uds	*.onetonline.org
*.brightcove.net	*.googleapis.com	*.pendo.io
cjrt.leaningtech.com	*.gstatic.com	*.pglms.com
desmos.com/calculator	help.imagineedgenuity.com/hc/en-us	phet.colorado.edu
*.doolittle-prod.wna.cloud	house-fastly-signed-us-east-1-prod.brightcovecdn.com/	*.speechstream.net
*.doolittle-production.wna.cloud	*.imagineedgenuity.com	static.ada.support
*.edgenuity.com	*.il-apps.com	*.ucopenaccess.org
*.edgenuity.us	*.imaginelearning.com	unpkg.com
*.edgenuityapp.com	*.itemengine-prod.il-apps.com	*.wne-cdn.com
*.education2020.com	*.jsdelivr.net	*.zdassets.com
education2020.us	*.k12hsn.org	*.zendesk.com
el-gizmos.s3.amazonaws.com	labs.edynamiclearning.com	
Teacher-Specific Required Allowed URL List		
*.box.com	d2qhvajt3imc89.cloudfront.net	*.smartsheets.com
*.box.net	d3sbxpiag177w8.cloudfront.netS	*.zdassets.com
*.boxcdn.net	https://imaginelearning.my.canva.site/*	*.zoom.us

*.boxcloud.com	*.pusher.com	*.zopim.io
*.boxrelay.com	sisense.edgenuity.io	*.zopim.com
Instructional Services The additional sites below are required when using Instructional Services		
*.agilixbuzz.com	*.intercom.io	pbskids.org
caronefitness.com	js.intercomcdn.com	sas.illuminate.com
e2020.geniussis.com	*.mixpanel.com	*.sentry.io
*.glynlyon.com	*.odysseyware.com	*.twilio.com
*.gopeer.org	*.owschools.com	
gopeer.s3.us-west-2.amazonaws.com	*.owschools.net	
Genius dedicated sending IP (static): 149.72.150.166	User Agent: smtp.sendgrid.net User Agent: smtp.sendgrid.com	
Allowed Email Server		
Domain: edgenuity.com	Domain: imaginelearning.com	
Course-Specific Allowed URL List		
For course-specific allowed URLs, please visit <a href="https://imaginelearning.com/wp-content/uploads/2022/10/Courseware_Course_Specific_Allowed_URL_List.xlsx">imaginelearning.com/wp-content/uploads/2022/10/Courseware_Course_Specific_Allowed_URL_List.xlsx</a>		

## Chromebook Compatibility

The following eDynamic Learning courses are not compatible with Chromebooks:

- 3D Modeling 1A
- 3D Modeling 1B
- Animation 1A
- Animation 1B
- Foundations of Game Design 1A
- Foundations of Game Design 1B
- Game Design 2A
- Game Design 2B
- Middle School Animation

<sup>1</sup> Students will need access to audio capabilities including speakers and/or headsets.

<sup>2</sup> Slow internet connections will affect the performance of multimedia elements found in Imagine Edgenuity courses.

<sup>3</sup> 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.

<sup>4</sup> Allowed URL items must be applied within your network for optimal use. Some items will pertain to general use, such as Imagine Edgenuity website wildcards. Other allowed URL items such as LivePerson and Zendesk® may be used in conjunction with tools utilized for support needs of students and educators. Imagine Edgenuity utilizes mp4 video formatting for course content videos. You will need to ensure mp4s are included for allowed URL sites within the network.