

Technical Environment

Great teachers distinguish themselves through the persistent examination of their classroom practices, their commitment to collegial dialogue, and their ongoing reflection about what it takes to meet the needs of their students. TeachForward delivers a cloud-based technology platform that enables educators to analyze digital artifacts of their instructional practices to inform their professional dialogue about how to improve teaching. Using TeachForward educators align their expectations of what good teaching and learning looks like, provide virtual coaching and mentoring to educators, and certify educators for licensure and micro-credentials.

The TeachForward solution is a web-based platform that users can access from their home or school using a browser running on a PC or Mac. A native iPad application is currently in development and will be released in the future; however, the iPad with the latest version of the iOS can be used to capture and upload video, audio, and images using the Safari browser native to the device. To provide the best user experience and secure environment, we would recommend that districts and users adhere to the following technical requirements:

Hardware and Browser Support

We have elected to support the newest versions of most browsers to ensure a secure environment and to enable a more powerful and friendly user experience, which comes close to what users expect from a desktop application.

PC Hardware	Internal processor of 1.6 GHz or faster with 1GB of RAM			
Operating System	Edge	Firefox (1)	Safari	Chrome
Windows 10	40.x or higher	57.x or higher		64.x or higher
Apple Hardware	Intel Processor 1.83GHz or faster processor; or PowerPC G4 and G5 with 1 GHz or faster processor; 1-2 GB RAM			
Mac OS X 10.5 (Leopard)		52.x or higher	If using an older Mac OS, you will be prompted to use either Firefox or	56.x or higher
Mac OS X 10.6 (Snow Leopard)		52.x or higher		56.x or higher

Mac OS X 10.7 (Lion)		52.x or higher	Chrome.	56.x or higher
Mac OS X 10.8 (Mountain Lion)		52.x or higher		56.x or higher
Mac OS X 10.9 (Maverick)		52.x or higher		56.x or higher
Mac OS X 10.10 (Yosemite)		52.x or higher		56.x or higher
Mac OS X 10.11 (El Capitan)		52.x or higher	Safari 10.x or higher	56.x or higher
Mac OS X 10.12 (Sierra)		52.x or higher	Safari 10.x or higher	56.x or higher
Mac OS X 10.13 (High Sierra)		57.x or higher	Safari 11.x or higher	64.x or higher
Mac OS X 10.14 (Mojave)		62.x or higher	Safari 12.x or higher	70.x or higher
iPad iOS 10 X (for upload only)			Safari iOS10.x or higher	
Screen Size				
		Minimum screen resolution of 1280 x 768 or higher (1280 x 800 preferred) for optimal viewing		

Network Bandwidth

The application will have a relatively light load on network traffic, since most work products will be developed offline with the exception of item-based forms or assessments that are completed online. The primary network traffic will be the uploading of large video artifacts and the streaming of video for tagging and scoring by teachers. To ensure optimal throughput, we recommend that a minimum connection speed for a school site should be a T1 line and DSL for home.

Security

The Educopia platform adheres to the latest standards for data encryption. As a result, all traffic will use SSL protocol using port 443 (can also support traffic through a proxy server). This will ensure that all traffic to and from our servers is encrypted for the protection of user information. Data is also encrypted at rest in the database to protect sensitive data in the most unlikely event that the network is compromised.

Supported File Formats

The Educopia platform supports multiple file formats to enable users to capture work that is authentic to the task they are asked to perform. The file types, sizes, and formats supported by the Educopia system include:

File Type	Maximum Size	Supported Formats
Documents	200 MB	Adobe PDF Microsoft Word, Excel, PowerPoint Google Docs, Presentation may be downloaded as PDF and uploaded into the Educopia system
Video	5 GB	mp4, mpeg, mpg, mov, ogv, wmv, avi, 3gp, flv, webm, 3g2, m2v, m4v, mkv, qt, vob
Audio	5 GB	mp3, wav, ogg
Images	5 MB	png, gif, jpg, jpeg

For more information about the Educopia platform, please contact the Educopia support group at support@educopia.com.