

**EA Animation Program Online Resource Centre** (please do not make any changes to the document)

Open Source Software				
Program	Program Type	Download Link	Tutorial Link	Notes
PhotoPea	Image Editing	<a href="https://www.photopea.com/">https://www.photopea.com/</a>	<a href="https://www.youtube.com/watch?v=4pldGEnF1JU">https://www.youtube.com/watch?v=4pldGEnF1JU</a>	The program is almost identical to photoshop with a difference of certain features like fx and filters.
Krita	Drawing & Painting	<a href="https://krita.org/en/">https://krita.org/en/</a>	<a href="https://www.youtube.com/watch?v=48pwr19qPOA">https://www.youtube.com/watch?v=48pwr19qPOA</a>	Can also be used for animation.
Fire Alpaca	Drawing & Painting	<a href="https://firealpaca.com/">https://firealpaca.com/</a>	<a href="https://www.youtube.com/watch?v=F632SztGENc">https://www.youtube.com/watch?v=F632SztGENc</a>	Can also be used for animation.
Adobe Fresco	Drawing & Painting	<a href="https://apps.apple.com/us/app/adobe-fresco-draw-and-paint/id1458660369">https://apps.apple.com/us/app/adobe-fresco-draw-and-paint/id1458660369</a>	<a href="https://www.youtube.com/watch?v=lm4PU5zHhc">https://www.youtube.com/watch?v=lm4PU5zHhc</a>	Painting Software for tablet users
Pencil 2D	Animation	<a href="https://www.pencil2d.org/">https://www.pencil2d.org/</a>	<a href="https://www.pencil2d.org/doc/tutorials.html">https://www.pencil2d.org/doc/tutorials.html</a>	
OpenToonz	Animation	<a href="https://opentoonz.github.io/en/">https://opentoonz.github.io/en/</a>	<a href="https://www.youtube.com/watch?v=UnmWCd-nAwg">https://www.youtube.com/watch?v=UnmWCd-nAwg</a>	
SynFig	Animation	<a href="https://www.synfig.org/">https://www.synfig.org/</a>	<a href="https://www.youtube.com/watch?v=nmDH-vWqeFQ">https://www.youtube.com/watch?v=nmDH-vWqeFQ</a>	Vector Bases animation, similar to Adobe Animate
Flipaclip	Animation	<a href="https://apps.apple.com/us/app/flipaclip-cartoon-animation/id1101848914">https://apps.apple.com/us/app/flipaclip-cartoon-animation/id1101848914</a>	<a href="https://www.youtube.com/watch?v=16OX8qCK7AE">https://www.youtube.com/watch?v=16OX8qCK7AE</a>	Animation App for tablet users (available for apple and android)
Stop Motion Studio	Animation	<a href="https://apps.apple.com/ca/app/stop-motion-studio/id441651297">https://apps.apple.com/ca/app/stop-motion-studio/id441651297</a>	<a href="https://www.youtube.com/watch?v=ffwas5_zFb4">https://www.youtube.com/watch?v=ffwas5_zFb4</a>	StopMotion App for mobile, available for android as well
Audacity	Sound	<a href="https://www.audacityteam.org/">https://www.audacityteam.org/</a>	<a href="https://www.youtube.com/watch?v=LQ7n9pAqgc0">https://www.youtube.com/watch?v=LQ7n9pAqgc0</a>	
Animation Techniques	Equipment	Technique Example	Notes	
2D Animation	computer/ tablet, software	<a href="https://www.youtube.com/watch?v=uDqld14bF4">https://www.youtube.com/watch?v=uDqld14bF4</a>	These principles can be applied in any animation software/apps	
Stop Motion	computer and phone	<a href="https://www.youtube.com/watch?v=01GyJgnTN1I">https://www.youtube.com/watch?v=01GyJgnTN1I</a>	Tablet or phone can be used along with inherent video editing software to edit (i.e. iMovie)	
Paper cutouts	computer and phone	<a href="https://www.youtube.com/watch?v=OrFkeEZHFE">https://www.youtube.com/watch?v=OrFkeEZHFE</a> <a href="https://www.youtube.com/watch?v=XQPZqOqe58">https://www.youtube.com/watch?v=XQPZqOqe58</a>		
Pixillation	phone/ editing app	<a href="https://www.youtube.com/watch?v=rlg0yUf8-u2g">https://www.youtube.com/watch?v=rlg0yUf8-u2g</a>		
Rotoscope	Computer/2D software	<a href="https://www.youtube.com/watch?v=imLnY0eCtY">https://www.youtube.com/watch?v=imLnY0eCtY</a>	This technique requires to draw on every frame of the video.	
File Transfer Programs	Link	Notes		
WeTransfer	<a href="https://wetransfer.com/">https://wetransfer.com/</a>	No signup required, just upload and send.		
Google Drive	<a href="https://www.google.ca/drive/">https://www.google.ca/drive/</a>	Must create a gmail account to function.		
Dropbox	<a href="https://www.dropbox.com/">https://www.dropbox.com/</a>	Limited to 2GB per account.		
Additional Sound Resources				
Website	Purpose	Notes		
<a href="https://archive.org/">https://archive.org/</a>	Sound, Image, Video Sourcing	Royalty free website.		
<a href="https://freesound.org/">https://freesound.org/</a>	Sound Bank			
<a href="https://boscaoil.net/">https://boscaoil.net/</a>	Sound	Create 8-bit music		
<a href="https://incompetech.com/music/">https://incompetech.com/music/</a>	Music Bank	Royalty Free Music Library		
Animation Examples				
Title	Link	Notes		
Hansel & Gretel (1955)	<a href="#">here</a>	Lotte Reiniger - one of the first to pioneer cut out animation. lights, paper, camera.		
Betty Boop & Cab Calloway (1933)	<a href="#">here</a>	2D animation by what's called Rotoscoping. Drawing ontop of an existing movement		
Grizzly Bear: Ready, Able (2007)	<a href="#">here</a>	A stop motion piece directed by artist Allison Schulnik		
Hardware Specs for Success				
Equipment	Specs	Notes		
MAC	OS X 10.9 or a later version Intel Core i series processor 4 GB or more RAM 500 MB or more available storage space	These are the minimum specifications to run comfortably		
PC	Microsoft Windows 7 Intel Core i series processor 4GB or more RAM 500 MB or more available storage space	These are the minimum specifications to run comfortably		
iPad/ Tablet	32GB, iOS able to run animation software	Use of tablet instead of a computer is not recommended, will be up to Instructor.		