Managing Video File Size with Handbrake

You can download the compression software known as "Handbrake" here: http://handbrake.fr/old.php

Make sure to download version 0.9.5. This version will allow you to specify a target video file size unlike more recent versions.

Once you have the software you will drag your video file onto the "Handbrake" icon-



Indbrake The software will open and you will see this screen:

The red circled area is the known as the "Destination" or the location where you will save the file. In this instance, the file will be saved on to the desktop. From this screen select the "Video" tab, circled in purple.

File Tools Presets Help Source Source Source Clossroom Lesson.mp4 Tite: (100:07:00) Chapters I Houge File or Source: So	👑 HandBrake	
Source: Classroom Lesson.mp4 Title: 1 Destination: Direct: Container: MP4 File Large file size Web optimized Proture Video Files Video Files <	File Tools Presets Help	
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	Title: 1 1 Duration: 00:07:00 Destination: • • • Fle: C:\Documents and Settings\tk20\Desktop\Classroom Lesson-1.mp4 • Dutput Settings (Preset: Normal) • • Container: MP4 File • • Picture Video Files • Video Files Video • Source: 320 * • Anamorphic: Strict • • Display Size: 320x240 • • Left • • • Right • • •	 □ Apple Universal iPod iPhone & iPod Touch iPhone 4 iPad AppleTV AppleTV 2 □ Regular Normal High Profile □ Legacy Classic AppleTV Legacy iPhone Legacy iPod Legacy

After selecting the "Video" tab, you will be directed to this screen. You will then enter a desired file size (must be under 100MB) next to "Target Size (MB)". Make sure to select MPEG-4 for the video codec. Click on the "Start" button (circled in purple). The file will be saved on your desktop with the title listed on the "Destination" field (underlined in red).

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nation:		Universal
	size Web optimized iPod 5G support	iPhone & iPod Touch iPhone 4 iPad AppleTV
deo	Quality	AppleTV 2
leo Codec: MPEG-4 (FFmpeg) merate (FPS): Same as source	Target Size (MB): Avg Bitrate (Kops):	Normal High Profile Elegacy Classic
 2-Pass Encoding Turbo first Pass 	Constant Quality: QP:12	AppleTV Legacy iPhone Legacy iPod Legacy



The completed file will look like this: Lesson.mp4

Compressing Video for Tk20 Using Windows Movie Maker

1. Open Windows Live Movie Maker. (If you are not on a computer with Movie Maker installed, you can download if for free from Microsoft.) = My Movie - Windows Live Movie Maker

Home

🔏 Cut

Animations

Visual Effects

Project

A Title

View

- 2. Click the Add videos and photos button, and navigate to your video file, or drag and drop your file into Movie Maker. If you need to combine more than one video, add them in the order they need to be in.
- 3. When your video is finished loading, go to the file menu and click on Save Movie. A submenu will open with several options for saving; pick Create Custom Setting.



4. A new window will open. Begin by choosing For email in the drop down menu next to Setting. The standard settings for email will be shown. If the estimated file size is adequate (length of video x MB per minute of video = <100MB), Close the dialog box and skip to Step 7, otherwise continue with the next step.

Setting:	For email	▼
Name:	For email	
Video settings		
Width:	320	pixels
Height:	240	pixels
Bit rate:	1500	kbps
Frame rate:	29.97	fps
Audio settings Audio format:	48 kbps, 4	14.1 kHz, stereo 🔻
Estimated file size: 11.07 MB	per minute	of video

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 Reduce the file size by lowering the **Bit rate** by 1000 kbps until you've reached the appropriate size (length of video x MB per minute of video = <100MB).

Create Custom Setting	×
Setting:	For email 🔹
Name:	TLP Compress
Video settings	
Width:	320 pixels
Height:	240 pixels
Bit rate:	1000 kbps
Frame rate:	29.97 fps
Audio settings Audio format:	48 kbps, 44.1 kHz, stereo ▼
Estimated file size: 7.50 MB p	per minute of video
	Delete Save Close

Now that you have the right settings, you want to enter a new name (TLP Compress, e.g.) into the space next to Name. This will help you to easily identify the Custom Settings when you go to save your movie. *Then, change the Setting from For email to <New>. This will automatically bring up the option to save the custom setting. Select Yes, Save the new setting and then Close the Create Custom Setting window.
 *Do not change to <New> until after you rename the setting.



7. Back on the Main Menu, hover over **Save movie** until the submenu appears. Scroll down to the Custom Setting name you chose (or select **For email** under Common Settings if you're coming from Step 5) and select it.

🛃 📔 🗔 🌍 🦿 🗧 🛛 My Movie - Windows Live Movie Maker Video Tool **II-**Ξ ks New project Mobile device settings . Windows Phone (large) Open project Save project Windows Phone (small) Save project <u>a</u>s Zune HD (for 720p display) Zune HD (for device) Publish movie Custom settings 4 Save movie For email 101 Import from device E) For email Options B For email Abo<u>u</u>t Movie Maker **TLP Compress** <u>Ex</u>it Create custom setting...

8. The Save Movie window will appear. Name the movie and save it to your desktop or another folder.





Student Name TLP

Spring 2016.v3 PDF File

Student Teaching Handbook

Student Teaching Semesters Microsoft Excel Worksheet

Courses Info Sheet Fall 2015

Microsoft Word Document

Students Registering for Block One

00:01:07

63.6 KB

읻 3.75 MB

X

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Length: 00:01:07

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video.

Organize 🔻

🔆 Favorites

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🖳 Recent Places

🚹 Google Drive

Documents

📃 Desktop 🕨

🜔 Play 🔻

Student Name TLP

Windows Media Audio/Video file

A window will appear indicating the movie is saving.



You may Close this dialog box as well. Then follow instructions to upload your video to Tk20.



Video Compression Guide for Mac OS X Users



How to reduce the size of your video file for uploading to TK20.

- 1. Go to https://itunes.apple.com/us/app/any-video-converter-lite/id479472944 to download and install Any Video Converter Lite from the Mac App Store. (Free app)
- 2. Open **Any Video Converter**. In the Profile area located on the left. Use the pull dropdown menu and scroll down until you can select *"Customized MP4 Video"*.



3. Click the "Add Video(s)" button to select the video file you want to convert. *note the video file must be on your mac or external hard drive. Not on an iOS device.



4. Click the movie format icon it to customize your settings.



5. Under the video setting area match those in the picture to the right, then click "OK." Do not change any other settings.

/ideo Setting							
Codec :	x264	\$ FrameRate :	25	•	Bitrate :	256	\$
Size :	320x240	\$ Aspect :	🗹 Keep Origin	al			
Audio Setting	1						
Codec:	aac	\$ SampleRate:	44100	\$			
Bitrate:	128	\$ Channel : (2	٢			
Advanced S	etting						

6. Click the "Convert Now!" button and wait for the compression/conversion to complete. The length of the video will determine how long it takes to finish.



7. Your have now created a compressed video that can be uploaded to TK20.



Video Compression Guide for Windows Users

How to reduce the size of your video file for uploading to TK20.

- 1. Download the free software from www.any-video-converter.com/products/for_video_free/ and follow the instructions on the website and the installer to install Any Video Converter.
- 2. Open Any Video Converter and click the "Add Video(s)" button to select the video file you want to convert.
- 3. Click the output video profile ■尊 ? _ 0 **Basic Settings** drop-down menu in the upper Customized MP4 Movie (*.mp4) • Video Options right corner next to the all Nintendo Wii AVI Movie (*.avi x264 "Convert Now" button and Video Codec: 💋 🛛 Flash Video Ć Video Bitrate: 256 - 0 scroll down to select Flash Video Movie (*.flv) ۳ß "Customized MP4 Movie Flash SWF (*.swf) 25 Frame Rate: . Toshiba Gigabeat (*.mp4)" under "Common Video Aspect: Auto + Toshiba Gigabeat WMV Movie (*.wmv) B Video Formats" Encode Pass: 1 Common Video Formats 2 DVD video NTSC Movie DVD video PAL Movie F AVCHD 720P Movie (*.m2ts) AVCHD 1080P Movie (*.m2ts) MPEG-I Movie (*.mpg) Л MPEG-II Movie (*.mpg) Customized AVI Movie (*.avi) ò Customized WMV Movie (*.wmv Apple QuickTime Movie (*.mov Windows ASF Video Movie (*.asf) Matroska Movie (* mkv) Φ Audio Options . Apply the selected profile to all video 🛨 Upgrade 📘 🖪 Like 🕨 🖿 摿 Upgrade ▶≡ 😑 📑 Like
- 4. Click "Video Options" in the lower right corner and ensure that your settings match those in the picture above. Do not change any other settings.
- 5. Click the "Convert Now" button and wait for the conversion to complete.

Convert Now!

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Add or Drag File(s)

6. Your have now created a compressed video that can be uploaded to TK20.