

# Using YouTube Videos in Education

1. A wide range of videos with educational value are available on YouTube. YouTube, now owned by Google, provides an easy to use interface, a robust connection, and the largest collection of videos on the Internet. These videos are delivered in a streaming Flash format which efficiently uses bandwidth as the trade off of image quality. Viewing in the default image windows, the quality is acceptable.

## 2. Playback Controls

a. The video is downloaded but immediately begins to play. If your connection is slow, the video may pause to allow the streaming to catch up. Some teachers like to pause the video which allows the video to completely download before playing. The red bar indicates download status. The completely downloaded video is stored in the browser's Temporary Internet Files" for faster playback. You can even find these files and add an .FLV extension and play these videos if you like using the "back door" method.



b. To play the video in full screen, click on the



button in the lower right corner of the display. To return to the

c. A list of related videos is displayed at the end of the movie. You have no control over what YouTube will consider related. To play one of these related videos, simply click on the video. Most users consider this a "feature" as it helps users to become aware of videos which they may not have known about. If you embed the HTML, you may turn off the option to display related videos.

d. In YouTube you can create your own channel, select Favorites, Subscribe to a channel, and create a Playlist. This Playlist may be emailed, posted to site, and even customized as to the look and the content it contains. Visit YouTube's help menu for more information.

## 3. Dangers and YouTube Alternatives

a. While some districts decide to allow students access to YouTube, most districts block it. As a compromise, districts may allow users with teacher accounts access, while blocking access for students. The argument is that while there are inappropriate videos on YouTube there are also many educationally appropriate videos. Some of the educationally appropriate videos may be available on other sites, however YouTube provides the largest number of videos and the fastest download speeds. It is the standard others are measured against.



b. YouTube alternatives include: TeacherTube, SchoolTube, OurMedia.

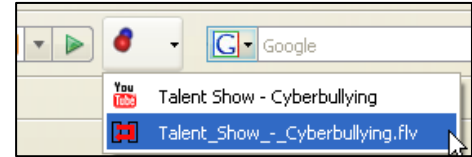
c. YouTube competitors each provide their own features to try to users to use their site as an alternative. These include: Google Video, Yahoo Video!, MetaCafe, iFilm, Blip.tv, reever, heavy

## Download YouTube video as an FLV file

### FLV Players

*Do I need a player? By default, the installation of the Flash Player or Macromedia Flash development tool does not install any player associated with FLV files to read them as Windows Media Player, Real Player or QuickTime would do it when you click on any .wma, .mow, .rm files.*

1. Save YouTube Files in FLV file format using a browser plugin and use an FLV player



- a. Save as FLV plugin for FireFox

Video Download Helper <http://www.downloadhelper.net>

Fast Video Downloader plugin for Firefox

<https://addons.mozilla.org/en-US/firefox/addon/3590>

NetVideoHunter

<http://netvideohunter.com/pages/how-to-use>

- b. Save as FLV plugins and addons/scripts for IE

SWF Catcher [www.sothinkmedia.com/swf-catcher-ie/index.htm](http://www.sothinkmedia.com/swf-catcher-ie/index.htm)

Video downloader [www.viloader.net](http://www.viloader.net)

Zunemytube [http://www.freewarefiles.com/Zunemytube\\_program\\_25892.html](http://www.freewarefiles.com/Zunemytube_program_25892.html)

YouTube Video Downloader <http://iescripts.org/view-scripts-3p1.htm>

2. Popular free standalone players which play FLV

- a. Applian FLV Player [www.applian.com/flvplayer/](http://www.applian.com/flvplayer/)

- b. MC Media Player - MC Classic  
<http://www.mcmediaplayer.com/>

- c. Wimpy Desktop FLV Player  
[www.wimpyplayer.com/products/wimpy\\_standalone\\_flv\\_player.html](http://www.wimpyplayer.com/products/wimpy_standalone_flv_player.html)

- d. FLV Player [www.tekool.net/flash/flv\\_player/index\\_en.html](http://www.tekool.net/flash/flv_player/index_en.html)

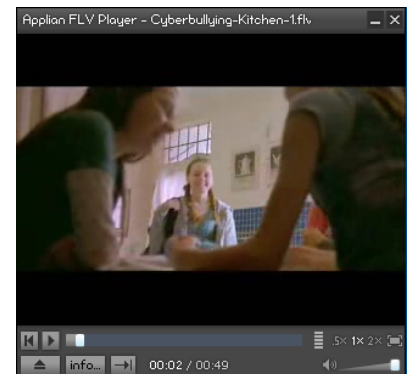
- e. VLC Media Player <http://www.videolan.org/vlc/>

- f. Real Player 11 (includes optional download FLV tools for FireFox) [www.realplayer.com](http://www.realplayer.com)

- i. How to Download YouTube videos with Real Player 11

<http://www.lytebyte.com/2007/10/14/how-to-download-youtube-and-other-online-videos-using-real-player/>

- g. Riva FLV Player [www.rivavx.com](http://www.rivavx.com)



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h. GOM Player - [http://www.gomlab.com/eng/GMP\\_Introduction.html](http://www.gomlab.com/eng/GMP_Introduction.html)

## 2. Stand Alone YouTube/FLV converters (free)

a. Format Factory <http://www.formatoz.com>

b. AresTube Downloader [www.benjaminstrahs.com](http://www.benjaminstrahs.com)

c. Orbit FLV Downloader [www.orbitdownloader.com/Use-as-YouTube-Downloader.htm](http://www.orbitdownloader.com/Use-as-YouTube-Downloader.htm)

d. Vixy.net Converter Desktop Version (BETA) <http://vixy.net>

e. Moyea FLV Downloader [www.flvsoft.com/download\\_flv/](http://www.flvsoft.com/download_flv/)

f. Jodix iPod Video Convert <http://www.jodix.com>

g. TubeMaster <http://tubemaster.free.fr>

h. Convert FLV file to AVI or WMV using the free VLC Media Player's transcoder.  
<http://www.lytebyte.com/2007/04/25/how-to-convert-flvflash-to-wmv-avi-or-any-other-format/>

## 3. Windows Media Player PlugIn - Play FLV Plugin

a. <http://www.playflv.com>

## 4. Online YouTube File Format Converter - the conversation may be *very slow*.

To use these online converters, paste the YouTube URL into the site and select a format to save it. Videos in a different format allow the video to be shown without an Internet connection or in schools where YouTube may be blocked. These videos may also be placed into PowerPoint or played in standard media players.

a. Vixy <http://vixy.net> - converts to .AVI or .MOV

b. ZamZar [www.zamzar.com](http://www.zamzar.com) - converts to many formats

Nice article on Tony Vincent's blog on converting YouTube videos using ZamZar:

<http://tonyvincent.net/?q=node/33>

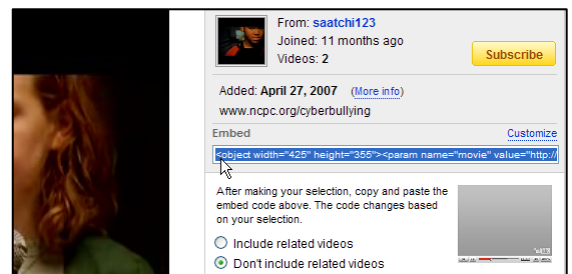
c. Media Convert <http://media-convert.com> Converts anything to anything else. Even sends converted files to a cell phone

d. YouTubeX [www.videodownloadx.com](http://www.videodownloadx.com) - - converts to many formats

e. Convert YouTube [www.convertyoutube.com](http://www.convertyoutube.com) - converts to/from many formats. It emails you a link to the converted video

## 5. Embed YouTube videos into Blackboard, Moodle, Blog, or website

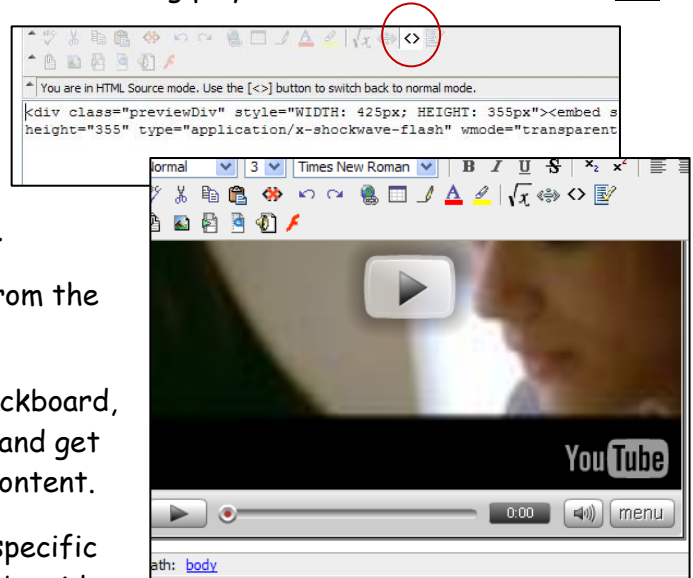
a. Embed a YouTube video player or playlist into Blackboard, Moodle, or blog site.



# Using YouTube Videos in Education

## b. Steps to embed a YouTube video

- i. Before copying click the Customize button and click "Don't include related videos" choice. This way, when the video is done being played, a list of related videos will not be displayed. While the displayed videos may be relevant, this is dynamic and the choices may change and you cannot control what is considered "related" by YouTube.



- ii. Copy the "embed" web address from the YouTube video.
- iii. Open your application such as Blackboard, Moodle, WikiSpaces or Edublogs and get to a location where you can add content.

1. Some applications have a specific gadget for adding a YouTube video. Blackboard requires you to get to a new page and paste the copied Embed HTML text.
2. In Blackboard, toggle to the HTML mode (<>) symbols.
3. Paste in the HTML text. Toggle out of HTML mode by clicking the <> a second time. Your video should now be displayed.

6. If YouTube is blocked at the location where the video is to be played, e.g. at school - the video will still be block. Some users convert the video to a different format and paste the converted video into your site. However, this violated YouTube's user agreement. See the notes below.

## 7. Legality of Converting YouTube files

- a. Kathy Schrock says, "Be careful with this "ripping" idea since it seems to violate the YouTube usage policy. See letter C on this page: <http://www.youtube.com/t/terms> from her blog posting... <http://kathyschrock.net/blog/2008/01/youtube-is-cool.html>

8. Copyright and Fair Use Guidelines - use this when downloading and converting YouTube videos <http://www.utsystem.edu/ogc/intellectualproperty/ccmcguid.htm>

- a. You must cite the work and put the copyright symbol
- b. You must not use work that has been uploaded illegally (without copyright consent)
- c. You must use for educational use and not post on public web site (only for use within the school district)
- d. You can use 10% or 3 minutes, whichever is less, of the video

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## YouTube in PowerPoint

### 1. Using YouTube videos in PowerPoint

- a. Add a button to PowerPoint 2003 or PowerPoint 2007

<http://presentationsoft.about.com/od/powerpoint972003/ss/071215youtube-2.htm>

- b. [http://howto.wired.com/wiki/Embed\\_YouTube\\_Videos\\_in\\_Your\\_PowerPoint\\_Presentations](http://howto.wired.com/wiki/Embed_YouTube_Videos_in_Your_PowerPoint_Presentations)



## Recommendations:

1. Whenever possible, use embedded YouTube videos

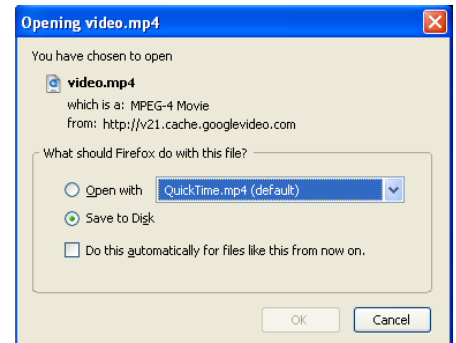
### 2. Four Alternatives:

*When downloading videos for offline viewing, please follow the copyright and fair use guidelines.*

1. YouTube has been making almost all of their videos available in mp4 format as well as in flash - and in general the mp4 format is much better quality. Apple uses the mp4 on its iPhone and Apple TV implementation of YouTube. To get to the mp4 format and download the video you can find instructions on

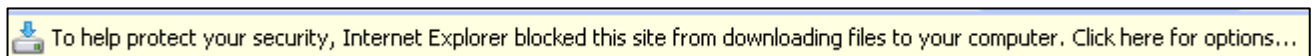
<http://googlesystem.blogspot.com/2008/04/download-youtube-videos-as-mp4-files.html>

- i. Follow the directions at this site to add a bookmark to your browser. When viewing a YouTube video, click on the **Get YouTube video** bookmark. A download link will be active that allows you to download the mp4 file. In Firefox you will see the dialogue box like on the right. The video will be called "video" in Firefox and save to the default location. You can find the file and rename it. To download again, just click the button again.

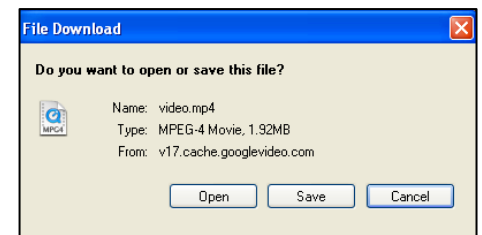


*Dialogue box in Firefox*

- ii. If you add the button to Internet Explorer, depending on your security settings it may take two steps. Select **Get YouTube video** link in Favorites. The first time you may see the yellow download security bar: Clicking on the security bar causes it to



go away but the file does not download. Select **Get YouTube video** a second time to bring up a dialogue box where you can save and name the file. If you need to download it again you must Refresh the page.



*Dialogue box in Internet Explorer*

- iii. The quality is generally better than the flash video. (thanks to Chris Katz, Tech Director from Union City for this tip.)

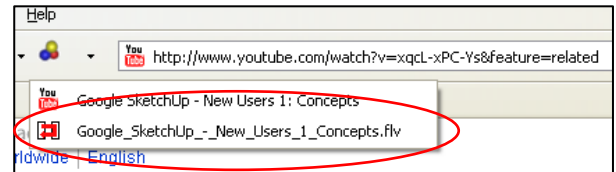
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iv. For those interested in the tech stuff, the link is not your typical bookmark. The code is:  
`javascript:if(document.location.href.match(/http:\/\/\[/[a-zA-Z\.]*/youtube.com/watch/)){document.location.href='http://www.youtube.com/get_video?fmt='+(!HTMLDocumentAvailable?'22':'18')+'&video_id='+swfArgs['video_id']+'&t='+swfArgs['t']}`

2. Download and view .FLV videos using Windows Media Player and the .flv plugin such <http://www.playflv.com>.
3. Download and view .FLV videos a stand-alone FLV Player such as [www.applian.com/flvplayer/](http://www.applian.com/flvplayer/)
4. Download and convert .FLV videos into another format which can be easily played on the existing media players.



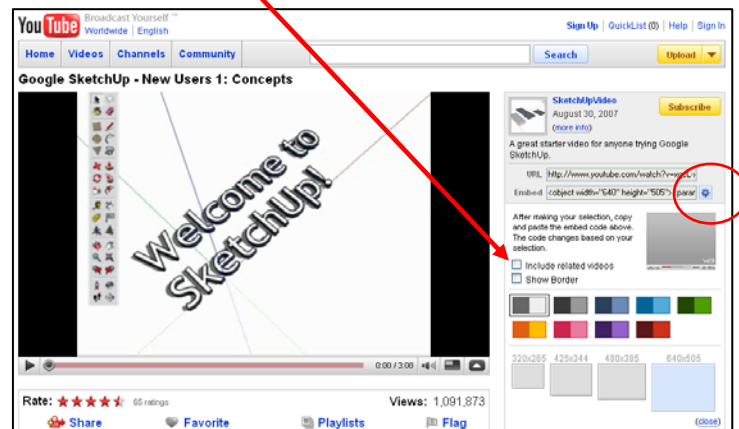
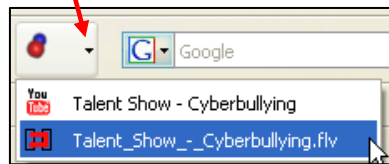
Video Download Helper for Firefox <http://www.downloadhelper.net>  
 Save video as .flv (this add-on will also convert in one easy step; however the free converter adds a watermark to the corner of the converted video.)



- a. Use Format Factory <http://www.formato.com> to convert videos to .avi or .wmv

**Step One:** Open Firefox and find your video in YouTube. I like to allow the video to download completely.

- a. Click the Customize gear and unclick "Include related videos"
- b. Increase the resolution if desired.
- c. Click the small black triangle behind the Download Helper icon and save the .flv file into a folder on your computer or network. Repeat for all videos.



**Step Two:** Open Format Factory and click on All to AVI or All to WMV. Either one seems to generate about the same quality and size of video. Click on the Add Files button and find all the videos you downloaded in .flv format. When done, click "OK". To convert, click the green Start button. In minutes all will be converted. The application also converts to/from a large number of other file types. Its freeware and does not add watermarks or display advertisements. Be sure to look where the files will be saved (set in Options.)

