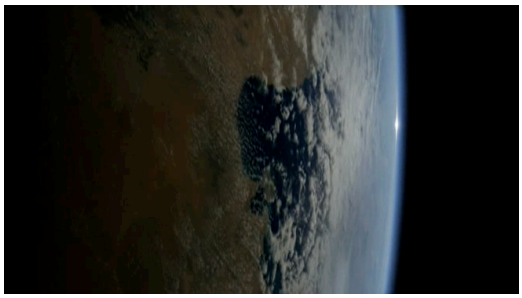
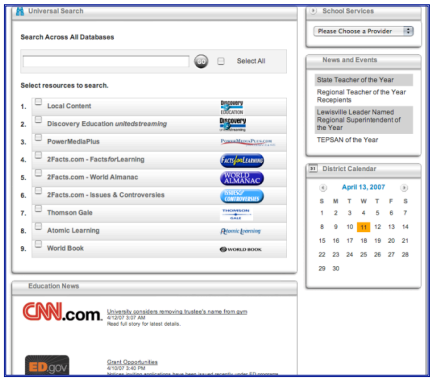
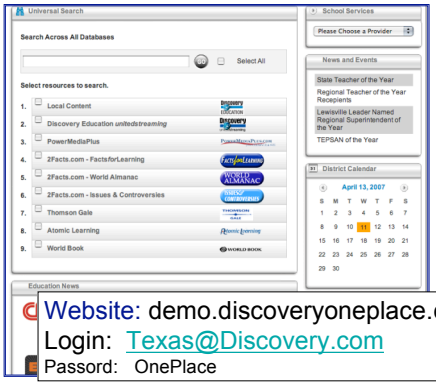


Planet Earth



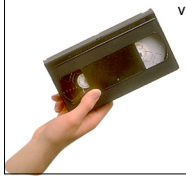


Website: demo.discoveryoneplace.com
Login: Texas@Discovery.com
Passord: OnePlace

MegaVCR: Media and More in Your Pocket

Converting media for use on the video iPod

hours x 16 =
video clips x 4726 =



Hall Davidson
Director, Discovery Educator Network
DiscoveryEducatorNetwork.com

hall_davidson@discovery.com

MegaVCR: Media and More in Your Pocket

Note: The use of this tool will only be as effective as the materials inside. Make or choose great stuff!

Converting media for use on the video iPod

hours x 16 =
video clips x 4726 =

Hall Davidson
Director, Discovery Educator Network
DiscoveryEducatorNetwork.com

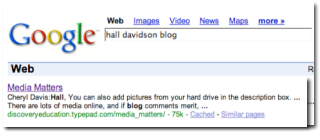
hall_davidson@discovery.com

Resources: Handouts

1. http://discoveryeducation.typepad.com/media_matters/
2. www.DiscoveryEducatorNetwork.com (Media Matters Blog)
3. http://Caden.editme.com

Download them now.

Book:
iPod: Fully Loaded
by Andy Ihnatko,
WileyPress.com



Sites referenced

Download them now.

http://en.wikipedia.org/wiki/Comparison_of_iPod_Managers
http://librivox.org/
http://www.apple.com/itunes/download/
http://books.google.com/
http://books.google.com/
http://discoveryeducatornetwork.com/
http://discoveryeducation.typepad.com/media_matters/
http://www.cardiosource.com/heartsounds/index.asp
http://www.archive.org
http://www.unitedstreaming.com/
http://www.imtoo.com/ - *wmv to QuickTime*
http://www.apple.com/quicktime/mac.html

Possibilities

4th grade Life Science Fractions Biographies

Self-study

Moving computing

Things a MegaVCR will hold:

- Videos
- PowerPoints
- Software Output
- Flash
- Music
- Photos
- Animated Gifs
- Tours, Scavenger hunts
- Curriculum data, quizzes

Cross platform
•Windows
•Mac

Do iPods work for teaching?

"Young doctors are losing their stethoscope skills."
Dr. Michael Barrett: Download MP3 heart murmurs to iPods.
Students ability to diagnose murmurs rose: 39% - 89% after 3 hours on iPod.
American Journal of Medicine January. 2006

Phonics?

Pic free from http://gallery.
"What About Love" by Heart downloaded from iTunes.

Overview Comparison

Schools never felt complete without VCRs
They should feel the same about iPods & mp3 players
iPod vs VCR
$250 < VCR cost when VCRs first adopted in schools
Built-in video content vs need for videotapes
Clips vs need to cue up videotapes
Easy sharing vs video cart
Dynamic content vs static content

Both work on both
TV and LCD projector -
but iPod library also play
on computers

The Tools & Extra Costs

	Mac	Windows
Convert video downloads (Quicktime) for iPods	Free *iTunes*	Free *iTunes*
PowerPoints w/ video	Free *ppt→movie*	$29.95 *MovieMaker →ImTOO*
PowerPoints w/o video	Free *ppt→jpeg →library*	Free *ppt→jpeg →photo library*
QuickTime Pro (jpegs to movie & more)	$29.95 *apple.com*	$29.95 *ppt →jpeg*
Convert Windows media files to QuickTime	Free *iSquint.org Techspansion.com/ visualhub*	Free or $29.95 *ImTOO.com /ipod-movie-converter*

Not just iPod

But iTunes is a killer ap

Hall Davidson, 2007

Not just iPod

But iTunes is a killer ap

Hall Davidson, 2007

Downloading Movies for the iPod

Windows or Mac

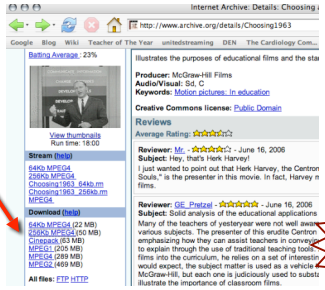
QuickTime files

Or files to convert to QuickTime files

Download

example 1: Free but not curriculum

Right click (ctrl click) to download video file. Select QuickTime compatible files, e.g., .mov, .qt, .avi,MPEG1, MPEG4 (*not .wmv*).



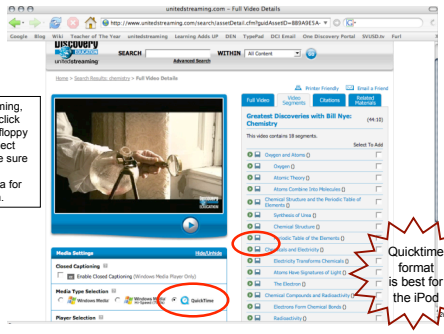
Quicktime format is best for the iPod

Hall Davidson, 2007

Download videos

example 2: Fee but curriculum based

At unitedstreaming, right click (ctrl click on a Mac) the floppy disc icon to select QuickTime. Be sure not to select Windows media for this application.

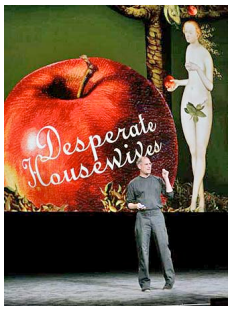


Quicktime format is best for the iPod

Hall Davidson, 2007

Download videos

example 3: Fee and non-curriculum based



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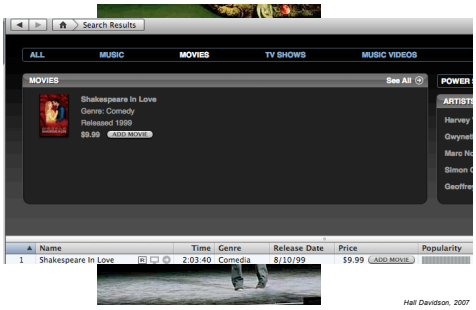
Download videos

example 3: Fee and non-curriculum based



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Download books

example 4: Fee and free

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Download books

example 4: Fee and free

Hall Davidson, 2007

Download books

example 4: Fee and free

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Download books

irrelevant example: pdf books

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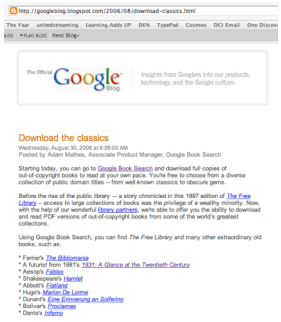
Download books

irrelevant example: pdf books



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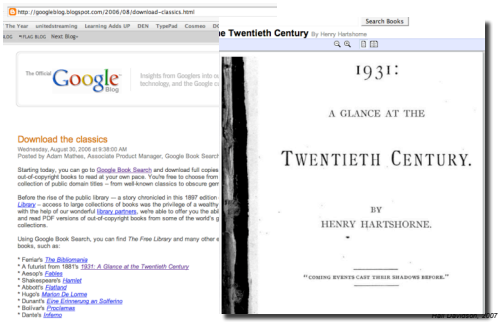
Download books

irrelevant example: pdf books

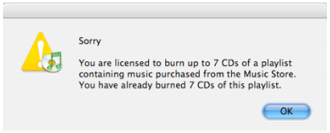


Download music

example 5: download rights for iTunes

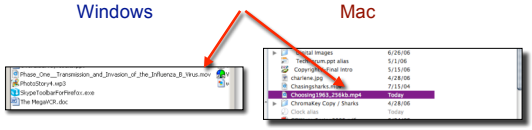
Download music

example 5: download rights for iTunes



The video file will now be on your computer.

Windows Mac



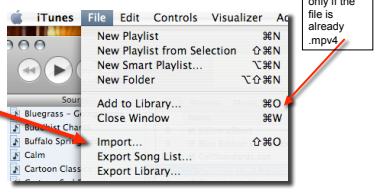
Note: .mov, .qt, and .mp4 are all QuickTime formats

Import to Library

(first open iTunes)

Windows or Mac

1. Open iTunes
2. Locate file
3. Import file



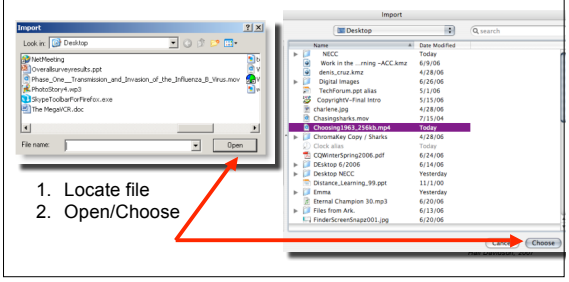
Use "Add" only if the file is already .mp4

Note: iTunes can be downloaded free at apple.com (Windows, Mac)

Choose/Open file

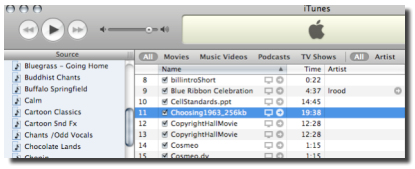
remember, you are in iTunes

Windows Mac



1. Locate file
2. Open/Choose

It's now in the iTunes library.



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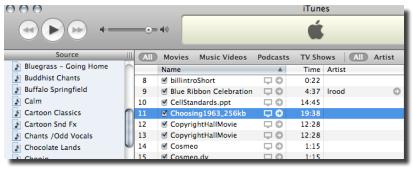
Convert Movie to Use in iPod

iTunes will do it for you!

Mac or Windows



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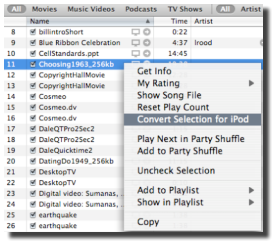
Convert Movie to Use in iPod

in iTunes

Mac or Windows



Right click on movie name in iTune (Windows)

control click (Mac)

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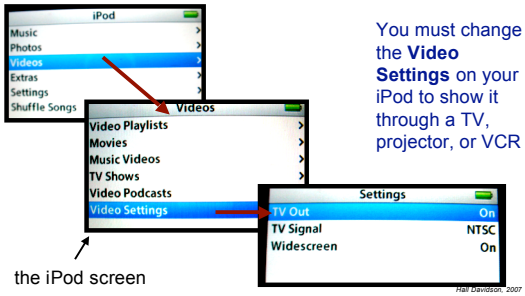
Watching the iPod in the classroom



You must change the **Video Settings** on your iPod to show it through a TV, projector, or VCR

the iPod screen

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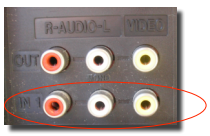
Watching the iPod in the classroom



The "jacks" or AV inputs. Use "in" not "out."

You watch through a TV or through a VCR. The TV is easier--but you must have a "monitor" TV, i.e., a TV with jacks in the back. Otherwise, just go through the jacks on the VCR.
You can also watch through the LCD projector using the same jacks

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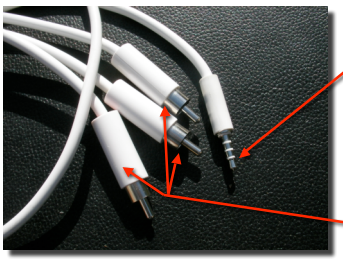
Connect to TV or VCR



Plug into iPod "earphone."

Plug into RCA jacks on VCR or TV or LCD.

You will need to buy a cable ($15 to $30) at computer store, Radio Shack, etc. Guerilla note: A camcorder-to-TV cable will work! But on camcorder cables, match the colors differently (!!!).Red = Yellow

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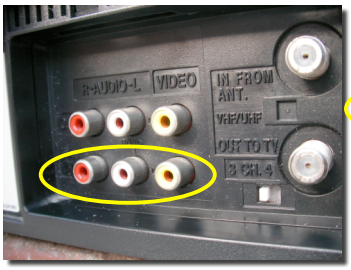
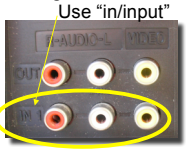
Into the TV, VCR, or Projector





Use "in/input"

Where the cable goes on a TV monitor or VCR, or LCD projector.

Note: These are "RCA female" inputs. For more detail on what these things are called and how they work, get the free download "The Nuts and Bolts of Digital Video" at halldavidson.net

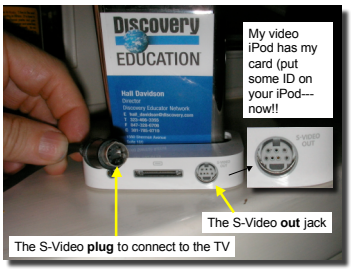
TV or VCR

This should *not* be showing a number on most units or static results.

Make sure you tell the TV monitor or VCR to switch to the inputs --and not the television tuner. It will then say "line" or "aux" or " input", etc. If you've lost the remote, try moving the channel selector down past (channel) 2.

For Better Visual Quality

Serious tip for better quality



If your classroom television/monitor has S-Video connectors, you can make your PowerPoints and videos look *much* better by connecting with S-Video

Note: You might have to buy the "cradle" that has the S-video out ($39) at the Apple Store).You can also buy a remote for this cradle ($29).

For Better Visual Quality

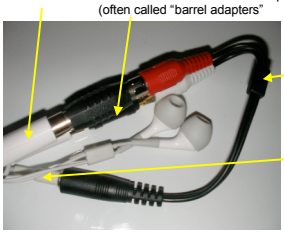
Serious tip for better quality

Note: You might have to buy the "cradle" that has the S-video out ($39) at the Apple Store).You can also buy a remote for this cradle ($29).

You can still use headphones.

iPod cable

RCA female-to-RCA female adapters (often called "barrel adapters"



RCA male-to-headphone (female mini)

headphones

By connecting the audio outs to a headphone adapter, kids can watch the videos on TV without disturbing the rest of the class. Or you can use the same adapter to connect the video iPod to a speaker system.

Note: For more detail on what these things are called and how they work, get the free download "The Nuts and Bolts of Digital Video" at halldavidson.net

Now, something besides videos in the iPod!

PowerPoints, morphs, Windows media files, Google Earth tours, flash, KidPix projects, software output, and more!

Let's start with the hard one: PowerPoints. There are two kinds of PowerPoint presentations:

- ❑ without videos
- ❑ with videos

And two ways to do it:

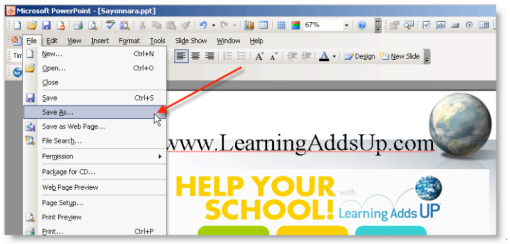
- ❑ convert to photos
- ❑ convert to movies

PowerPoint to iPod

Without embedded videos

Mac or Windows

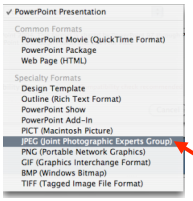
Open the PowerPoint you want to use on your iPod,then do a **Save As**.

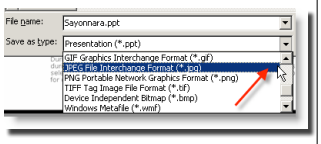


PowerPoint to iPod

Mac or Windows

Save As the PowerPoint a JPEG file.

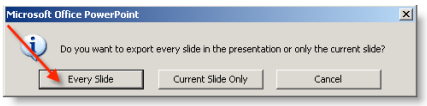




PowerPoint to iPod

Mac or Windows

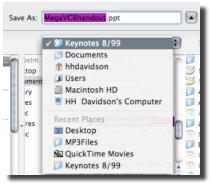
Choose **Every Slide.**

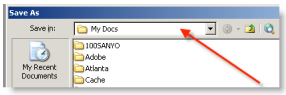


PowerPoint to iPod

Mac or Windows

If it offers you the choice of places to save, pick a place you'll remember. If it doesn't give you a choice it will save it to your default choice.





PowerPoint to iPod

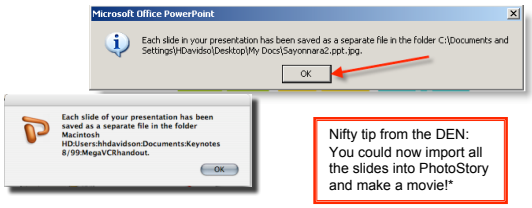
Mac or Windows

It will probably automatically name your folder the same name as your PowerPoint. If not, name the folder and file.

PowerPoint to iPod

Mac or Windows

It will tell you where your file is saved.



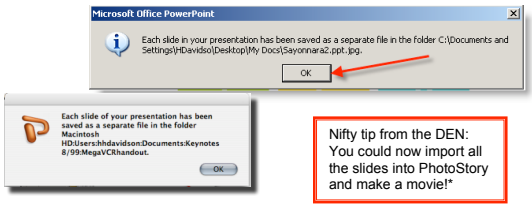
Nifty tip from the DEN:
You could now import all the slides into PhotoStory and make a movie!*

*Unfortunately, it's a windows media file and can't go directly into iPod.
You have to convert it first (use a program like Imtoo or others).

PowerPoint to iPod

Mac or Windows

It will tell you where your file is saved.



Nifty tip from the DEN:
You could now import all the slides into PhotoStory and make a movie!*

*Unfortunately, it's a windows media file and can't go directly to iPod. You have to convert it first (use a program like Imtoo or others).

Hall Davidson, 2007

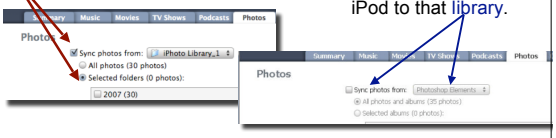
PowerPoint to iPod

Mac

Open iPhoto. Import jpegs into iPhoto. Put them in their own album. Connect the iPod. In preferences, sync the album.

Windows

Open whatever photo library is tied to iTunes. Import the jpegs into that library. Sync the iPod to that library.



View them as Photos from the iPod!

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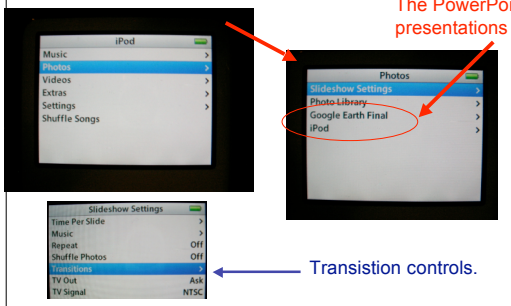
PowerPoint to iPod

The PowerPoint presentations



Transistion controls.

Hall Davidson, 2007

Windows

PowerPoint to Movie

With embedded videos!

Windows

Save your slides as jpegs, then convert them to a QuickTime movie for the iPod. The easiest way is:

- Import the jpegs into MovieMaker
- Insert the movies (wmv files)
- Save the project as a movie

Hall Davidson, 2007

Windows

PowerPoint to Movie

With embedded videos!

Windows

There are two different ways to move your PowerPoints with embedded videos into the iPod. **The easiest way** is 1); the most versatile way is 2):

1. Do it with MovieMaker (free)
2. Do it with QuickTime Pro ($29)

Hall Davidson, 2007

Windows

PowerPoint to Movie

Method 1

Windows - replacing the embedded videos

Embedded videos will drop out of Windows **PowerPoints** when you save them as **jpegs**. For example, a PowerPoint with embedded *unitedstreaming* videos will not have the videos. To insert videos into the iPod PowerPoint, do this

- Download the videos in Windows Media format
- Save PowerPoint slides as jpegs
- Import stills and videos into MovieMaker
- Re-assemble the slides in order and insert the videos
- Save movie (it's a wmv. file now)
- Convert movie to iPod format with IMToo ($29)

Now your iPod will play the PowerPoint movie with videos included!

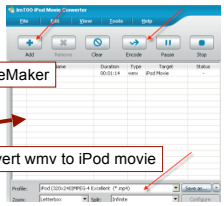
Note: You can add transitions and music in MovieMaker..

Hall Davidson, 2007

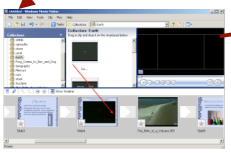
PowerPoint with embedded Videos to Movie
Windows - Visual Summary

Method 1
Visual Summary

Save PowerPoint as jpegs



Import jpegs and videos into MovieMaker



Convert wmv to iPod movie

Hall Davidson, 2007

Windows

PowerPoint to iPod

Windows

Methods 1 & 2
Outline Summary

PowerPoint

Video files

jpeg

QuickTime Pro

MovieMaker

Import jpegs
Import Video files
Arrange in order

Import jpegs
Import Video files
Arrange in order
Save as wmv file

Export as iPod file

Convert to iPod file (w/ ImTOO, etc)

Import into iTunes

Hall Davidson, 2007

Windows

Method 2

PowerPoint to Movie

Windows

Method 2: You must have QuickTime Pro for this step.

First, open the QuickTime player. You can launch the player itself from the applications file (Start>Programs>QuickTime) or you can just open any QuickTime movie or file.

Just skip it

QuickTime Pro can be downloaded for $29.95 at apple.com. Actually, it's not a download. Apple will give you a key that you enter in the free QuickTime player which "unlocks" Pro. Buying the Pro version is worth it for many reasons. This is just one of them. [The free player is a download at apple.com]

Hall Davidson, 2007

PowerPoint to Movie

Method 2

Windows - replacing the embedded videos

Embedded videos will drop out of Windows. For example, a PowerPoint with embedded *unitedstreaming* videos will not have videos. To insert videos into the PowerPoint, do this

- Download the videos in QuickTime format
- Open each video in QuickTime Pro
- Copy and paste each video into the QuickTime movie you just made from your PowerPoint
- Save the new video
- Import it into iTunes, and into the iPod

Now your iPod will play the PowerPoint movie with videos included!

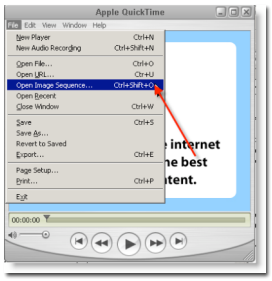
Important note: Convert all your QuickTime movies--the ppt. and downloaded videos--- to m4v (iPod format) first. Then they will be the same size when you put them together.

Hall Davidson, 2007

Method 2

PowerPoint to Movie

Windows



Remember: You have already saved your Windows PowerPoint as jpegs in a folder.

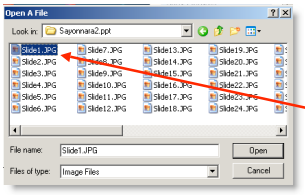
Next:
Under **File**, choose **Open Image Sequence**.

Hall Davidson, 2007

Method 2

PowerPoint to Movie

Windows



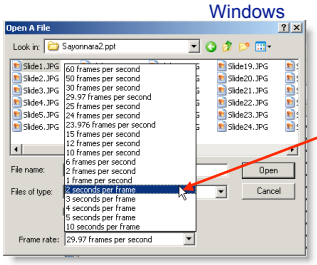
Select the first slide. You don't have to select them all!

Hall Davidson, 2007

Method 2

PowerPoint to Movie

Windows



You can select how fast you want the PowerPoint movie to play. 2 seconds per frame is a good place to start.
When you hit **open**, you will have created a new movie made from your PowerPoint! The movie will automatically launch.

Method 2

PowerPoint to Movie

Windows

Example: This is the QuickTime movie made from the PowerPoint in the example. You can now rename it, play it, or save it!

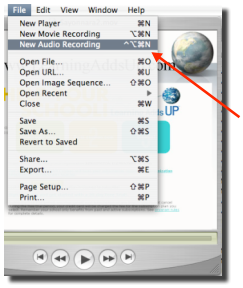
Note# 1: Videos embedded in the PowerPoint will be lost (but there is a way to reinsert them!).

Note #2: Transitions and animated gifs with be lost when the movie is made.

Method 2

PowerPoint to Movie

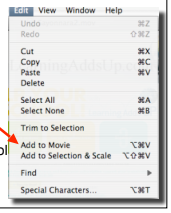
Windows



Bonus! You can also create a new sound track or narration for your new movie by simply selecting **File>New Audio Recording**.

You then **Add to Movie**.

Experiment to master this new tool.



Method 2

PowerPoint to Movie

Windows

Here's a video of how it works, starting with the open QuickTime application* This is from the live workshop. Watch for the video posting at halldavidson.net.

Method 2

PowerPoint to Movie

Windows

PowerPoint to Movie
Windows - Visual Summary

Method 2
Visual Summary

The PowerPoint movie.

The videos you want to insert in the PowerPoint..

Blend video segments individually.

- Convert videos (right click in iTunes).
- Open the video files using QuickTime Pro (they are in the iTunes Music folder).
- Copy and Paste where you want them to play in the PowerPoint movie.

PowerPoint to Movie

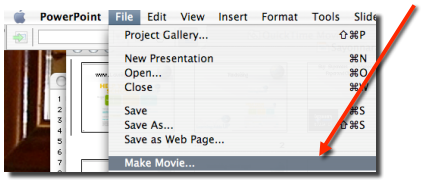
With embedded videos!

Mac

It is a simple, one keystroke process on a Mac.
(Mac's win this one.)

PowerPoint to Movie

Mac



Under **File**, simply click **Make Movie**. A movie will be made from your PowerPoint!

Note #1: Embedded videos will automatically play inside the slides!

Note #2: Transitions and animated gifs with be lost when the movie is made.

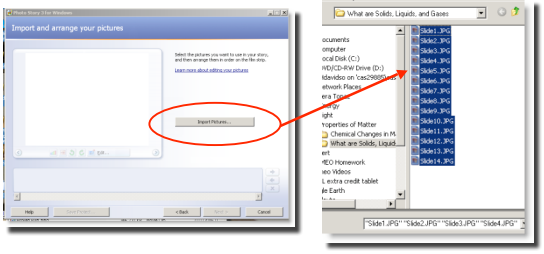
PowerPoint to PhotoStory

Bonus Section

PowerPoint to PhotoStory--then into the iPod

Windows

Import the jpegs into PhotoStory.



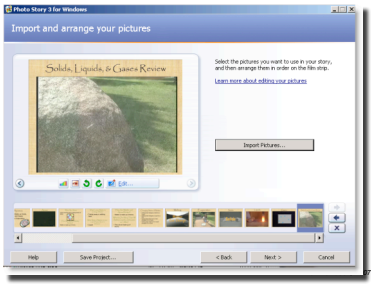
PowerPoint to PhotoStory

Windows Bonus Section

PhotoStory into the iPod

Your PowerPoint is now a PhotoStory.

Add music, narration, captions, etc.

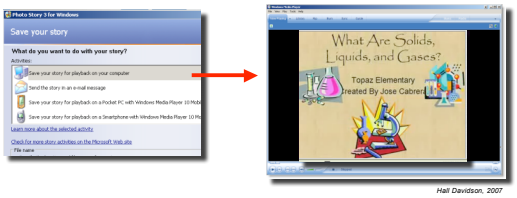


PowerPoint to PhotoStory

Windows Bonus Section

PhotoStory into the iPod

Save your PhotoStory "for playback." It now opens as a windows media file (wmv).



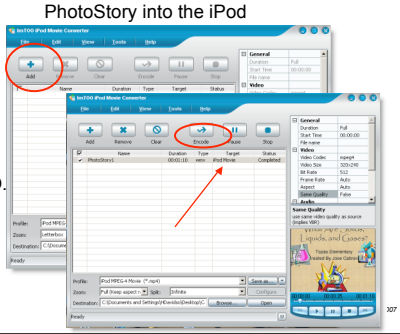
PowerPoint to PhotoStory

Windows Bonus Section

PhotoStory into the iPod

Now open the PhotoStory file in a conversion program e.g., ImTOO.

Encode as iPod movie.

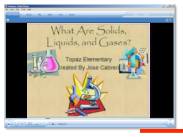


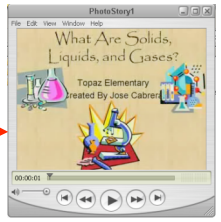
PowerPoint to PhotoStory

Windows Bonus Section

PhotoStory into the iPod

Your wmv file is now a QuickTime movie ready to import into your iPod.





Use conversion software. Adobe Premiere Elements or ImTOO will do it! Your iPod can hold your PhotoStories!

With the time we save: More interesting things!

Tours

Address book

Tours

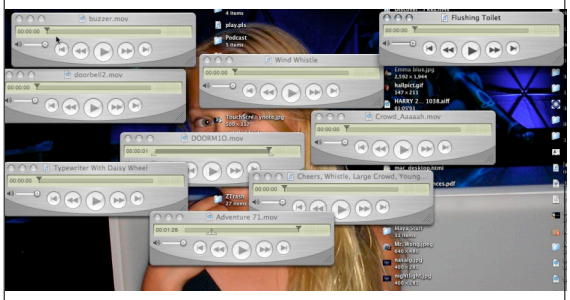
www.audiosteps.com

www.podguides.net

Tours

Teach:
- compass directions,
- math shapes
- geographic facts

Tour Building

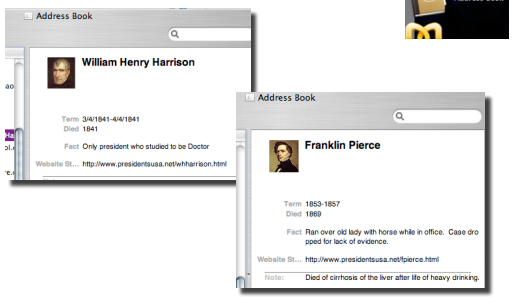


This is QuickTime Pro ($29). You can also use audacity (free) at http://audacity.sourceforge.net/

Address Book

Use it as a curriculum tool.

Address Book



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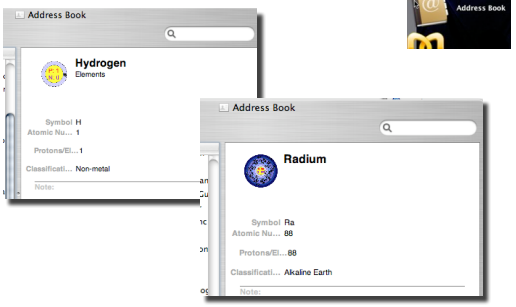
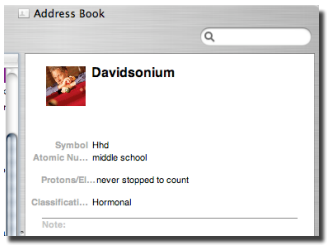
Address Book



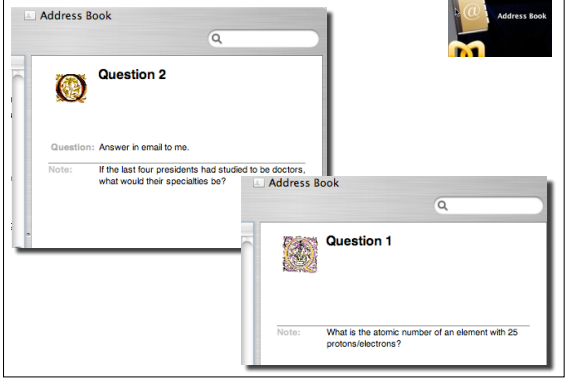
Hall Davidson, 2007

Address Book

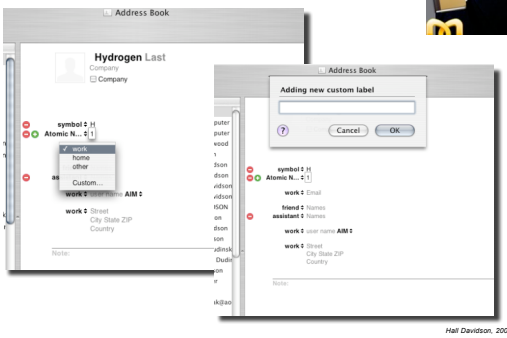


Hall Davidson, 2007

Address Book



Address Book



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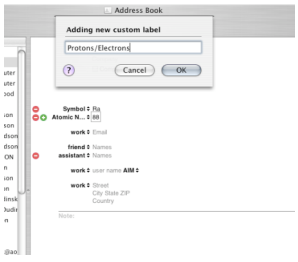
Address Book



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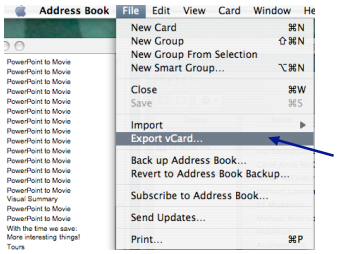
Address Book



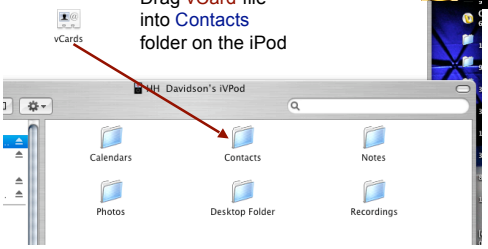
- Open Address Book
- Export vCard
- It will look like this

Address Book

Make sure your iPod is set to Enable disc use

Address Book

Drag vCard file into Contacts folder on the iPod



Extras

Rights

In iTunes 4.5, you can authorize up to five computers to play purchased music (up from three.) Burn a playlist containing purchased music up to seven times (down from ten).
http://lawgeek.typepad.com/

*Note that these are **consumer** rights. Check on school rights..*

Extras

Screen Capture

We looked at some screen capture programs for creating tutorials in several languages. The screen video captures were:
Windows:
http://techsmith.com/
(SnagIt, and Camtasia)
Mac
http://www.ambrosiasw.com/news/
(SnapzProX)

Book:
iPod: Fully Loaded
by Andy Ihnatko, WileyPress.com

Note that these are not free programs. Also note you should not capture what you do not own or license.

Finally:
What about kids who have to study underwater?

Finally:
What about kids who have to study underwater?

unitedstreaming

Inca Revolution

regulator for breathing underwater without a tank.

waterproof case for iPod

Hall Davidson, 2007

Thank you - hall_davidson@discovery.com

Hall Davidson, 2007

MegaVCR: Media and More in Your Pocket

Note: The use of this tool will only be as effective as the materials inside. Make or choose great stuff!

Quality here

Hours x 16 =
Clips x 4726 =

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