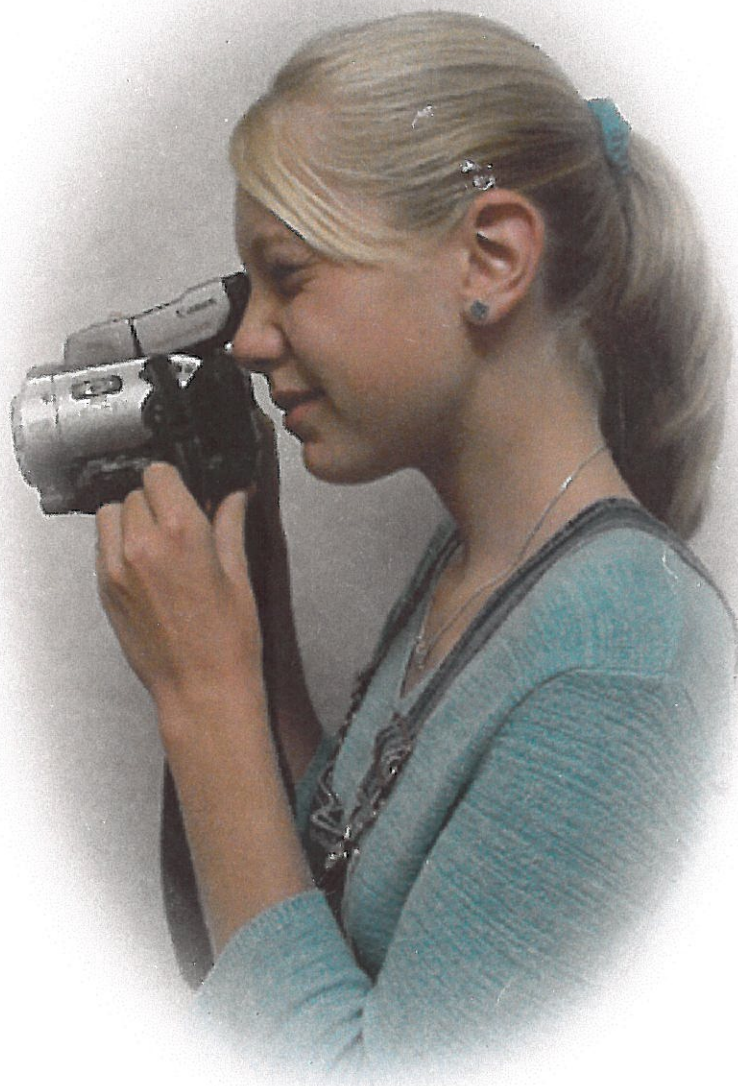


# ADVANCED DIGITAL VIDEO

TEACHER WORKSHOP

1/16/03





# Advanced Digital Video

by  
John Fox

## Workshop Description

Learn how to use some of the introductory, intermediate, and advanced techniques of digital video (DV) and "imovie" computer software. We will only go as fast and as far into DV production as the class is comfortable with. **No prior knowledge of digital video equipment or imovie is required.**

## Presentation Style

This is an activity based workshop where the participants will actually plan, record with a DV camera, transfer to a computer, and edit a DV movie using imovie. Very brief, but adequate, demonstrations and assistance will be provided by the presenter. Advanced features and special effects will be covered at the end of the work shop.

## Activities you will be doing

Work in a small group to produce a digital video production using imovie as follows:

1. See a short demonstration on how to plan, record, transfer, and edit a movie using imovie.
2. Plan your three minute movie by making a short story board.
3. Tape your video on the DV camera.
4. Transfer (Capture) the video from the DV camera to the computer.
5. Edit the video by cropping parts of it.
6. Add some pictures to your video from the internet.
7. Add transitions between the clips and screens
8. Add music and sound effects to your video.
9. Add a title page and credits to your video.
10. Save and play you completed movie.
11. If time allows, you will learn some advanced features such as exporting the video to a CD, or the web, bring a standard VHS video into imovie, add more special effects to the movie.

## Workshop Instructions and Procedure

### Overview of the Activity

You will be working in groups of two to four people to make a three minute movie of a simple process. Your group will work with the same movie in each of the following steps. The activity will be divided into four separate parts:

1. Introductory movie
2. Basic movie
3. Full featured movie
4. Advance special effects. *(To be covered if we have time.)*

### Step One: Introductory Movie

I will demonstrate the entire process by actually doing a sample video as follows:

1. Choose one of the sample processes to make a demonstration video.
2. Complete the story board sheet outlining the video.
3. Set up and briefly rehearse the video.
4. Record your demonstration with the DV camera.
5. Transfer/capture the video to the computer using imovie.
6. Play the video and crop unwanted parts.
7. Add a title at the beginning.
8. Save your video and play it.

### Step Two: Basic Movie

You will continue working on the same movie you started with, only this time you will add some basic features to it as follows:

1. With your imovie project open add the "cross devolve" transition between each clip.
2. Add four audio sounds to your movie.
3. Add music at end of your video.
4. Save your video and play it.



---

(Workshop Instructions and Procedure Continued)

### **Step Three: Full Featured Movie**

You will continue working on the same movie you started with, only this time you will make it a full featured movie to it as follows:

1. With your imovie project open import two to four pictures off the internet to the end your movie.
2. Change the length of the pictures to 00:08:00.
3. Add the transitions of your choice between each of the pictures you got off the net.
4. Add credits at the end of your movie.
5. Add music at end of your movie.
6. Save your video and play it.

### **Step Four: Advanced Special Effects (15 minutes to complete)**

If time allows you may add special effects to your movie as follows:

1. With your imovie project open, try applying one of the "Effects" to a clip.
2. Add a title/text over one of the pictures.
3. Add more sounds and music, downloaded from the net to your video.
4. Export your movie to a CD or to the web.
5. Experiment with any special effect you desire to spice up your movie.

### **Conclusion**

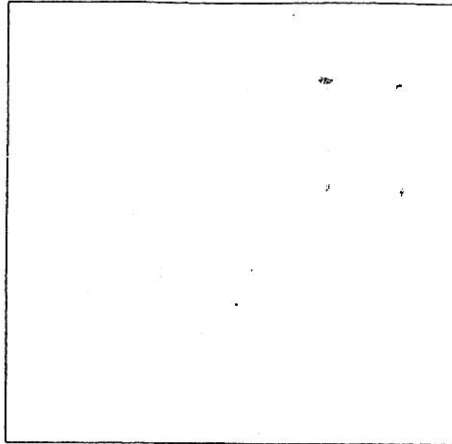
Hopefully you learned some useful things about DV production today. Please look over the hand outs, check out some of the resources on the web, keep using imovie, and you will master it in no time. Please give me a call if you need any help, want to come in and use the computers, or would like me, or a "techie", to come to your room for assistance.



# Pre-Production Storyboard

Directions: Use this outline to describe each video clip that you will be using with simple sketches and a brief description.

Name
Date
Class
Sheet          of



Length of Shot: \_\_\_\_\_

Description: \_\_\_\_\_

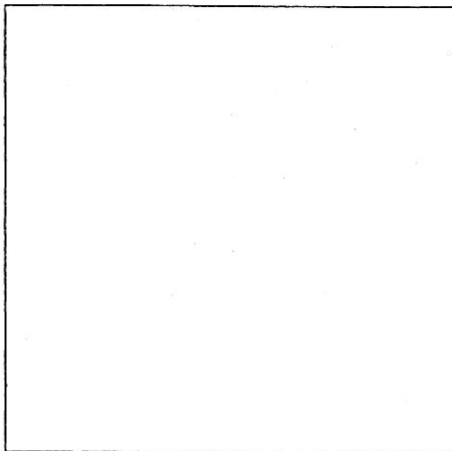
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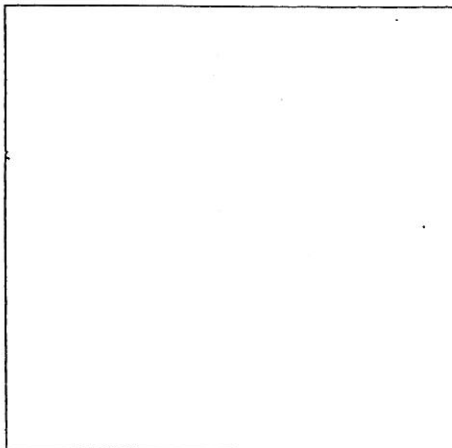
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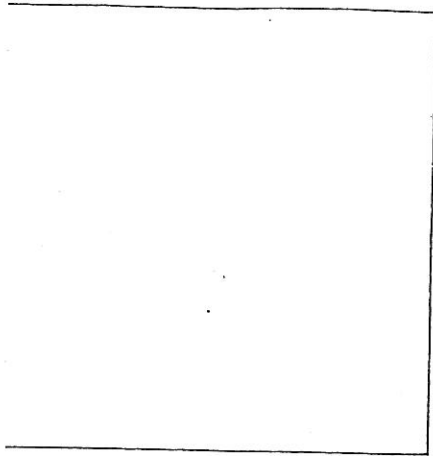
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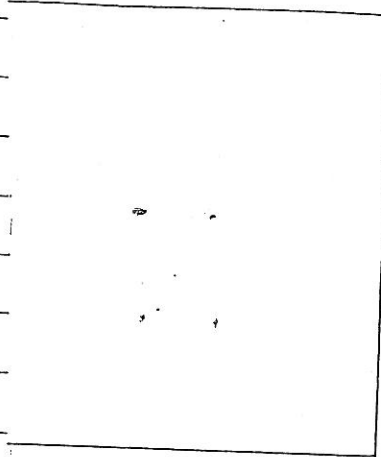
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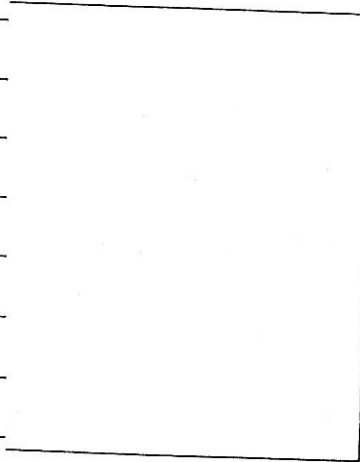
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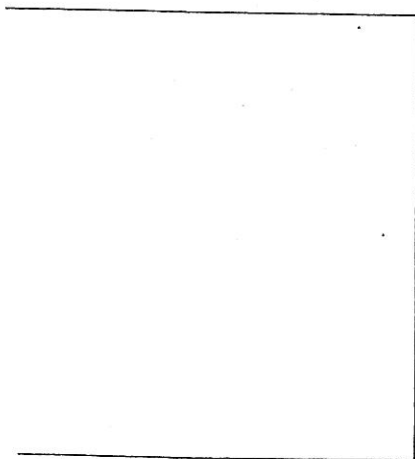
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Length of Shot:

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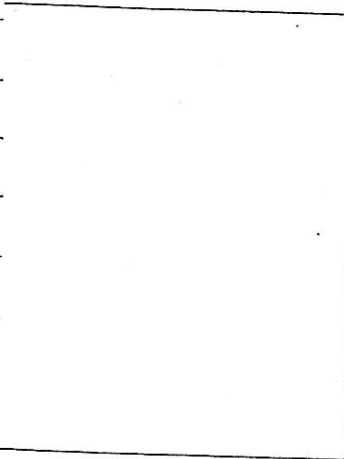
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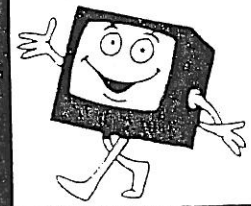
## ***IMovie in a Nutshell***

1. Connect camera to IMac.
2. Turn on camera and start *iMovie*.
3. Choose New Project from the File menu.
4. Give your movie a name and then click on Create.
5. If you don't see, "camera is ready," check to see if camera is on, or click camera icon.
6. Locate video clips to the shelf (clipboard). *Spacebar starts or stops capture.*
8. Edit scenes (split at head) or apple T.
9. Delete unwanted footage apple x, or delete key. (remember to empty trash)
10. Drag the "keepers" to the time line or clip viewer (edit again if necessary).
11. Add transitions, music, sounds, titles, ect.
12. View finished product using time line viewer or clip viewer. (edit again if necessary).
13. Export back to DV camera (file.. export movie or apple e).
14. Dub to analog (VHS) tape for mass viewing.



# *I-Movie*

## *Digital Video Editing*



### Please follow these instructions for using I-Movie for digital video production:

1. Get permission from Mr. Fox to use the digital camcorder.
2. Check over the digital camcorder to be sure it has a good battery and a tape in it.
3. Plan out what you want to tape, and write-up an outline or, story board, if necessary.
4. Tape the video production being sure to keep the camera steady, stop and start the camera between clips, and avoid excessively zooming in and out.
5. Once you've completed taping your video please request Mr. Fox's permission to hookup the fire wire cable from the computer to the digital camcorder so you can import your video to the hard drive of the computer.
6. Now that the digital camcorder is hooked up to the fire wire launch "I-movie II" by going under the open apple, recent applications, I-movie.
7. With I-movie now open you first go to "file" "new project" and name it, then select "create". *Remember, just about any question can be answered by using the I-movie help index or the tutorial.*
8. Now "import" your video by first clicking on the camera /dv icon then select import. *Please remember to save your changes often.*
9. Your video will then be viewed as it plays through on the screen as the clips are being displayed on the "shelf" for future editing.
10. Once your video is imported press stop and select the clips from the shelf and place them in the sequence you want them to appear on the large long horizontal box at the bottom of the screen called the "play head".
11. You've just completed the first level of digital video editing. You can now go back and play your video by using the "play" button. After viewing your video in I-movie you may want to edit it further. Follow the directions in class, or use the I-movie "help" menu bar, to "move", "delete", "crop", or "import" clips from other I-movie files.
12. Now you can add "titles", "transitions", "effects" and "audio" as demonstrated in class to complete your video. *Please remember to save your changes often.*
13. After all your editing has completed the "rendering" process, and you have saved your changes, you may want go back and take a last look at you video and make any further changes as described above.
14. The final step is to "export" your completed video back to the digital camcorder, and later to VHS tape, as demonstrated in class.
15. You have now successfully completed digital video editing with I-movie II.

## RULES FOR VIDEO TAPING

- Know your cam corder: read the manual and work with the cam corder.
  - Plan: follow the story board, set-up scenes, props, ect..
  - Keep a scene and tape footage log.
  - Run through each scene before actually taping.
  - Retape each scene in question.
  - Keep the camera steady: use image stabilization or tripod.
  - Move in close and fill the frame/view finder.
  - Keep things in focus and use manual focus if necessary.
  - Keep a simple, solid, no glare background when possible.
  - Have a 3 second lead-in and lead out on every scene.
  - Speak loud, slow, clear, and close to the camera.
  - View the video on a TV immediately after taping and redo poor sceens.
  - Mark and lock the tape in a safe place and bring it with you to school the next school day.
- GOOD LUCK!**

---

### scene and tape footage log

SCENE NAME

START

END





## Desktop Movie Resources

<http://www.apple.com/education/dv/>

Desktop Movies are a powerful way to capture students' enthusiasm for learning, energize teaching, and expand the education community.

<http://www.apple.com/education/dv/gallery/index.html>

Examples of Desktop Movies used in the classroom.

<http://www.springfield.k12.il.us/movie/>

Education Examples from Springfield, IL

<http://ndwild.psych.und.nodak.edu/grabe/imovie/movies.html>

Education Examples from North Dakota

<http://www.apple.com/education/dv/tips/index.html>

Tips for making your movie

<http://www.apple.com/imovie/>

Learn more about iMovie. Find tutorial information here.

<http://www.atomiclearning.com/>

The atomic Learning Library - online training - **FREE** video tutorial series for **iMovie 2**.

<http://dvcreators.net/> ✓

Training and resources for Digital Video (iMovie & Final Cut Pro)

<http://www.apple.com/imovie/freestuff/>

Free Stuff - A Library of backgrounds, sound effects, and looping music.

<http://www.pics4learning.com/>

Copyright free images for education

<http://www.GeeThree.com>

More special effects for iMovie!

### Music

*Hyper Studio 4  
1/10/04 plug in*

<http://www.freeplaymusic.com/>

<http://www.freshmusic.com/>

<http://www.musicbakery.com/>

<http://www.royaltyfreemusic.com/>

*Quicktime Pro 5*

<http://pblmm.k12.ca.us/TechHelp/VideoHelp/VideoGuide.html>

Video Guide for Project-Based Learning with Multimedia

<http://pblmm.k12.ca.us/PBLGuide/Activities/BeginningProduction.html>

<http://www.2-pop.com/>

2-pop -The Digital Filmmakers Resource

<http://ali.apple.com/>

Apple Learning Interchange

[http://ali.apple.com/ali/resguide\\_display.php?guidenum=705](http://ali.apple.com/ali/resguide_display.php?guidenum=705)

Classroom Video: All Levels - Resource Guide

<http://www.ideas.wisconsin.edu/linkspage.html>

IDEAs - Resources with alignment to Wisconsin State Academic Standards.

<http://www.apple.com/education/k12/imagine/>

Imagine - K-12 Success Stories

<http://www.apple.com/education/itools/>

iTools for Education

<http://www.apple.com/iphoto/>

iPhoto software and information

<http://www.apple.com/itunes/>

iTunes software and information

<http://www.apple.com/finalcutpro/>

Final Cut Pro

<http://www.apple.com/quicktime/>

QuickTime

<http://www.apple.com/quicktime/products/gallery/>

Cubic VRs

<http://www.apple.com/appleworks/>

AppleWorks - ideas and examples

<http://www.apple.com/education/k12/products/appleworks/>

AppleWorks for Education

Janis Schwab

Apple EDE

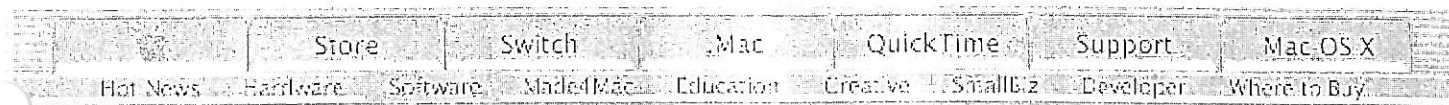
[schwab@apple.com](mailto:schwab@apple.com)

[homepage.mac.com/schwab](http://homepage.mac.com/schwab)

Apple Computer, Inc.

[www.apple.com](http://www.apple.com)

[www.apple.com/education](http://www.apple.com/education)



Explore iLife.



iPhoto 3



iTunes 3



iMovie 3



iDVD 3

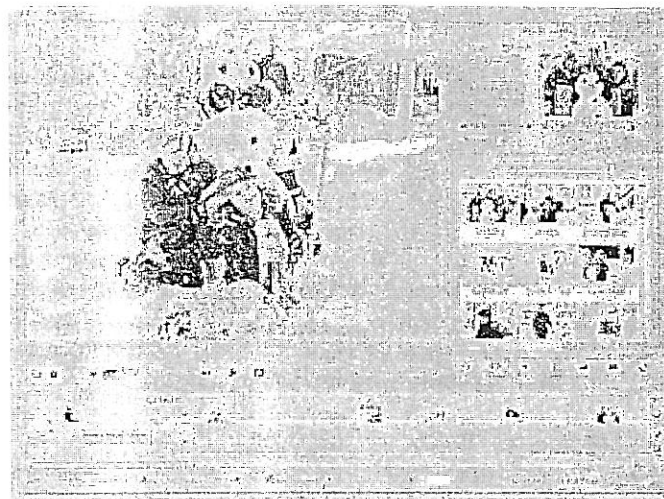
# iMovie 3

A star is reborn.



## iMovie 3 + iDVD 3

Create a new DVD project with a click of the button. No export required.



Capture Footage

Edit Movies

Audio Effects

Visual Effects

Share Movies



**Integration:** Add the Ken Burns Effect to your digital photos.

Lens Flare, Aged Film, Letterbox, Thermograph and Electrical Arts. Want to sprinkle a glittering trail of fairy dust over a festive scene? iMovie 3 lets you do that, and even lets you decide at which point in the frame you want to use it. iMovie also lets you add haunting visual effects like fog and ghost trails to your movies in seconds. What's more, you can bring your digital stills to life with professional documentary-style impact, using the Ken Burns pan and zoom effects you've seen in PBS specials.

**Sophisticated audio controls**

The revolutionary digital video application that helped Mac users create a million mini-documentaries seen by their friends and relatives around the world now brings several dazzling new features to your screen.

One of the things you'll appreciate about the latest version of iMovie is how seamlessly it connects to the rest of the iLife applications to let you do even more with your digital video. That means you can, for instance, bring in and send out digital media content directly from application to application, import audio from iTunes and images from iPhoto, and create chapter markers in your movie that automatically turn into scene selection menus in iDVD.

### New visual effects

You'll love the iMovie 3 visual effects like Lens Flare, Aged Film, Letterbox, Thermograph and Electrical Arts. Want to sprinkle a glittering trail of fairy dust over a festive scene? iMovie 3 lets you do that, and even lets you decide at which point in the frame you want to use it. iMovie also lets you add haunting visual effects like fog and ghost trails to your movies in seconds. What's more, you can bring your digital stills to life with professional documentary-style impact, using the Ken Burns pan and zoom effects you've seen in PBS specials.



iLife - \$49.00

Available January 25th from the [Apple Store](#).

Coming January 25th  
iMovie 3 will be available as part of [iLife](#) along with [iPhoto 3](#), [iDVD 3](#) and [iTunes 3](#). iLife ships with every new Mac. iMovie will also be available as a separate download.

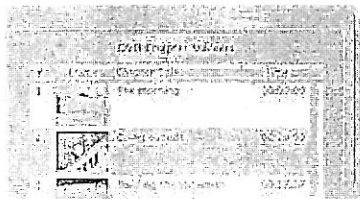
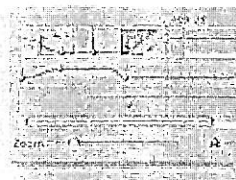
### See iMovie 3 in action



View QuickTime movies of iMovie in action.

- [Edit Clips](#)
- [Add Photos](#)
- [Import Music](#)
- [Add Transitions](#)
- [Apply Effects](#)
- [Playback](#)

audio controls in iMovie 3. For starters, you can have three audio tracks, counting your production sound (that is, the track that gets automatically recorded when you capture digital video footage on your camcorder). iMovie 3 offers flexible volume level customization on all three audio tracks. You can, for example, mute unwanted production sound, pump up the volume on poorly recorded audio tracks, and adjust the volume of entire tracks up or down.



### Convenient chapter markers

The fact that you can now add chapter markers to your movies is a benefit that extends beyond iMovie; it lets iDVD create scene selection menus so your viewers can jump directly to their favorite scenes.

What's more, adding chapter markers is as simple as placing the playhead wherever you want them and then clicking Add Chapter. That enables you to give your new chapter a title or a number for easy reference, and makes it easy for your friends and family to skip around and find their favorite scenes within iMovie.

### Send your iMovie to DVDs — instantly

The moment you save your movie, it's ready for iDVD — no more export processes. Once you put in your chapter markers, click on the Create DVD project button, and you'll be immediately taken to iDVD. No need to export your digital video footage to QuickTime first. iMovie 3 takes you directly to the iDVD environment.



### Stunning Skywalker Sound Effects

iMovie 3 comes with an exclusive collection of Skywalker Sound Effects from seven-time Academy Award winner Gary Rydstrom, sound designer and Director of Creative Operations at [Skywalker Sound](#). Now you can score and mix your movies with sound effects created by the same sound wizards who revolutionized

the audio industry, and created the incredible sound effects for just about every blockbuster movie in the last two decades — including Star Wars, Jurassic Park, Toy Story, A Bug's Life, Saving Private Ryan and Titanic, just to name a few.

### Make your own movies

For the benefit of those of you who've never used this most appealing of applications (especially the legions of Windows users who are reading this), iMovie is a digital video editing application that's so easy to use, you don't need a manual to get started making your own movies. And if you're wondering what you'll make movies about, the answer is just about anything you've captured with your DV camcorder and digital camera. You can even use iMovie 3 with digital photos, pulling in all your favorites from iPhoto and creating your own documentary.



## iLife: iMovie 3

### Explore your iLife:

- ▶ Let [iTunes](#) provide the soundtracks for your movies
- ▶ Use your [iPhoto](#) Library in with the "Ken Burns" effect
- ▶ Create DVD Chapter markers for use in [iDVD](#)

### New in iMovie 3:

- ▶ New liquid timeline editing interface
- ▶ New audio effects from Skywalker Sound
- ▶ Ken Burns documentary-style effects
- ▶ Complete control of clips, music and sound effect volumes
- ▶ Pro-quality special effects and new titles
- ▶ Chapter markers for use with your DVD projects
- ▶ Send movies to iDVD with one click
- ▶ Shared media browser lets you access all music and photo files from one place

## iMovie Downloads

### Visual Plugins

- ▶ [Gee Three](#)
- ▶ [Vitrix](#)
- ▶ [CSB Digital](#)
- ▶ [eZedia](#)

### Audio Effects

- ▶ [Skywalker Sound](#)
- ▶ [Audiiodish](#)
- ▶ [Hollywood Edge](#)

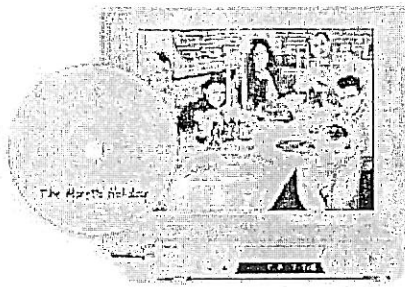
## iMovie Feedback

Help us make iMovie even better. We'd love to [hear from you](#).

## More about iMovie

- ▶ [Camcorder compatibility](#)
- ▶ [Camera compatibility](#)





video footage with one click, and automatically separates the scenes for you. And that's when the fun starts. iMovie lets you pick out the good parts, snip out the slow or boring parts, shuffle scenes around to your heart's content, and add sound. There are three ways to add sound to your movie: use one of the included sound

effects, add a musical track from a CD or your own iTunes music library, or record your own voiceover. When you're done editing, you can add text as end credits, rolling commentary or opening titles. You can choose from several styles, and decide on a text color and typeface. By then it will be time for sharing your movie — and for getting started on your next one. iMovie 3 has you covered there as well, with integration with iDVD. Soon your masterpieces will be beautifully displayed in your family's DVD shelf right along with the Hollywood blockbusters.

[Home](#) > [Software](#) > [iLife](#) > iMovie



Visit the Apple Store [online](#) or at [retail](#) locations.  
1-800-MY-APPLE

[Contact Us](#) | [Privacy Policy](#)  
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# Producing and Editing a Digital Video Production

-----  
*Please complete all of the following steps in doing a digital video production.*

1. Establish a group of between three to five students and meet to determine the following positions/assignments:

-Director (person in charge) \_\_\_\_\_

-Secretary (note taker) \_\_\_\_\_

-Other group members \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

2. Discuss the following and record your results below:

A. Format of the video: (music video, commercial, interviews, ect...)

-----

B. Topic of the video \_\_\_\_\_

C. Sample/example to format the video after. \_\_\_\_\_

D. Approximate Length of the video. \_\_\_\_\_ minutes

F. Props and costumes you will need for the video. \_\_\_\_\_

-----

-----

G. Where will you be taping this video? \_\_\_\_\_

3. Once you've completed the above discuss your results with Mr. Fox and then complete the story board on the following pages.

4. After completing the story board sheet discuss it with Mr. Fox and make any necessary changes.

5. Do a dress rehearsal of you video in front of your class mates and make changes accordingly.

6. Do the final **taping** with the digital camera being sure to follow the taping fundamentals as demonstrated in class. Please remember to speak loudly, slowly, and clearly and avoid any rapid camera movements of excessive zooming in and out.

7. Follow the "Step for using imovie" to digitally edit your video using the G-4 computer.

8. Show the finished video to Mr. Fox for grading then export it to the digital video tape and then make copies on the VHS tapes.

## iMovie—Create and Edit Your Own Digital Movies

### iMovie monitor

Preview your movie or view video directly from a connected DV camcorder.

### Mode switch

Use this to switch between importing from a camcorder and editing.

### Clip viewer

### Timeline viewer

The clip viewer and the timeline viewer are visual aids for assembling and editing your movie.

### Playback controls

Use these to play the movie in the iMovie monitor.

### Scrubber bar

Use this to select sections of video.

### Shelf

To make clips part of your movie after you import them, drag them from the shelf to the clip viewer.

### Editing buttons

Click these to open panels for adjusting and selecting sounds, video effects, titles (text), and transitions. Click the Clips button to see the shelf.

### Video track

Lets you work with audio contained in video clips.

### Audio tracks

Lets you work with recordings, music, and sound effects.

### Playhead

Represents the location of the frame showing in the iMovie monitor. Move the playhead to see where things appear in a movie.

### **What You Can Do**

iMovie is an easy-to-use digital video editing software application. With iMovie and a digital video camcorder, you can create and edit your own movies. Import video from the camera; edit clips; and add transitions, titles, sound effects, and music. Then copy the movie to a camcorder tape or create a QuickTime movie. You can even share your QuickTime movies by placing them on the web on your Apple iDisk or HomePage.

Your computer comes with iMovie for Mac OS X and Mac OS 9.

### **To Get Started**

- 1 Shoot your video, then connect the camera to your computer's FireWire port.
- 2 Open iMovie in the iMovie folder (located in the Applications folder).
- 3 Click the Import button to import movie clips to the shelf, then add them to your movie by dragging them to the clip viewer.
- 4 Assemble and edit your movie in the clip viewer and timeline viewer.
- 5 Add transitions, titles, sound, and music.
- 6 When you are finished, choose Export from the File menu.

### **Tips and Tricks**

#### **Share your desktop iMovie with your friends and family**

Export your movie as a QuickTime web movie and copy the movie to your iDisk. Then use HomePage to create your own iMovie theater so that others can view your movie on the Internet.

### **To Learn More**

For more information on using iMovie, see the iMovie Tutorial or iMovie Help. For the latest on iMovie, including iMovie updates, additional plug-ins, and a list of compatible DV camcorders, go to the iMovie website at [www.apple.com/imovie](http://www.apple.com/imovie)

This is the html version of the file [http://www2.milwaukee.k12.wi.us/pt3/filepdf/Imac\\_class\\_3\\_\(WP\).pdf](http://www2.milwaukee.k12.wi.us/pt3/filepdf/Imac_class_3_(WP).pdf).

Google automatically generates html versions of documents as we crawl the web.

To link to or bookmark this page, use the following url: [http://www.google.com/search?q=cache:uzhRl\\_BD2R8C:www2.milwaukee.k12.wi.us/pt3/filepdf/Imac\\_class\\_3\\_\(WP\).pdf+imovie+instructions&hl=en&ie=UTF-8](http://www.google.com/search?q=cache:uzhRl_BD2R8C:www2.milwaukee.k12.wi.us/pt3/filepdf/Imac_class_3_(WP).pdf+imovie+instructions&hl=en&ie=UTF-8)

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These search terms have been highlighted: iMovie

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## iMovie Steps

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The first step in creating your movie is getting the footage from your camcorder into your Mac. **iMovie** is designed for use with camcorders that use MiniDV tapes and use a firewire interface. If you don't have a DV camcorder with fireWire, you can buy an analog to DV converter (Sony \$400) to get the footage into the computer. Connect your iMac DV and your DV camcorder using a FireWire cable. **iMovie** controls your camcorder. The playback controls look and work just like a VCR or CD player control. **iMovie** controls work only with compatible DV camcorders (see a current list at [www.apple.com/imovie/gear/](http://www.apple.com/imovie/gear/)). Once the camcorder is connected, start the **iMovie** program, then just choose New Project from the File menu, give your movie a name, and click on Create. Once you are in the Camera Mode, you will see a blue screen and a message saying the camera is connected.

## Separate Scenes

When you import (capture) video, **iMovie** places an icon on a "shelf" (clipboard); a series of frames on the right hand side of the screen, and names it clip 01. You can capture an entire 60-minute DV cassette as a single clip (if you have enough free disk space). You can import specific scenes by using **iMovie's** scene-detection feature, which causes **iMovie** to begin a new clip each time it detects a scene break. To turn on a scene detection, choose Preferences from the Edit menu, click on the Import tab, and check the box labeled "Automatically Start New Clip At Scene Break". You can also start and stop clip capture by pressing the spacebar as a videotape plays back. This is a handy way to grab portions of scenes: click on iMovie's Play button to play the tape, and when you see something you want to capture, press the spacebar to grab it. From here you can add the clip to your project by dragging it from the shelf onto the timeline viewer (the strip below the playback controls).

**iMovie's** shelf is a grid of thumbnail images. The number of clips it holds depends on the iMac DV's screen resolution. The shelf holds 9 clips at the iMac DV's default resolution. To expand its capacity to 12 clips, use the finders control strip or the monitors control panel to boost the screen resolution to 1,024 by 726. Whatever you do, don't change the resolution to 640 by 480, doing so causes **iMovie** to quit. Each minute of digital video uses about 210MB of disk space, so unless you really have hard-disk space to spare, don't capture anything that you know won't make it into your final project. I bought an external 30gig firewire harddrive (\$179) to help get past this limitation.

## Assembling After Capturing

Once you've captured the raw video clips into **iMovie**, they are placed on the shelf (clipboard). From the shelf you can drag the clips from the shelf to the Clip Viewer. Once in the clip viewer you can sequence clips, add transitions, titles, music and more.

## Name Your Clips

iMovie automatically names captured clips, but names like Clip 01 and Clip 02 aren't exactly descriptive. You can rename clips simply by clicking on their names. Give them descriptive titles to help you identify them

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## Cropping You're Clips

More than likely each of the clips you capture have stuff you don't want. Cropping or cutting will remove this extra footage, make a better movie, and reclaim disk space. To crop a clip in iMovie, you position crop markers to indicate the material you want to keep. Or you can go to edit, down to split at video head (apple T). This creates two video clips where there once was one. Press apple X or delete to eliminate the unwanted scene. You may use the arrow keys to better help position the split. When you crop a clip, iMovie puts its discarded portion in the Trash (not the same Trash as the Finder's trash can), but a separate, iMovie-specific Trash. You can reclaim disk space by emptying iMovie's Trash as you work. (Choose Empty Trash from the iMovie File menu). Emptying the Trash can, may take a few minutes, but the disk space saved is worth the wait.

## Playing One Item At a Time

You can choose to play just one item- a clip, a title, a transition, or a music soundtrack-by selecting that item in the Clip Viewer and then clicking on the Play button or hitting the spacebar. This is a way to check out a title or transition you've just added. To play an entire project, click small monitor, (see screen shot) or deselect everything (press apple key D), click in a blank area of the Clip Viewer, and then click on Play. If you need to move a clip a significant distance, (a clip from the end of a project to the beginning), you can drag it and let the clip window scroll automatically. There's a faster way. Drag the clip from the Clip Viewer into any empty box on the shelf, scroll through the Clip Viewer to the new destination, and then drag the clip from the shelf back into the viewer.

## Transitions and Titles

Titles can help describe a place or a scene, or they give credit where credit is due. Visual transitions can be easier on the eyes than large jumps between scenes. Transitions can even help tell a story. A cross-dissolve (one clip fading out while another fades in) can imply the passage of time. To superimpose title text over a specific clip, select the clip before opening the titles palette. Be sure to choose a text color that adequately contrasts with the clip's contents. It is good to use chunky fonts that are easier to read despite the TV's limited resolution( Arial Black works well). Inserting a clip between two clips connected by a transition is a two-step process. First, delete the transition by click on it,press delete. Now insert a new clip.

## Updating Titles and Transitions

If you change your mind about using a particular font, title, or transition, first click on it in the Clip Viewer, make the changes, and then click on the Update button in the Titles or Transitions palette in the Effects palette. When you create a title or transition, iMovie must create its video frame. This rendering process takes time and memory; you'll notice that iMovie slows down when



it's taking place. To gauge how long the wait will be, look at the window that contains the transitions or titles you've added. A little red progress bar shows how far along rendering is progressing. Cross-dissolve is one of the most often used transitions, perfect for creating a graceful transition between scenes and for implying the passage of time. You can add more than one transition at a time, (limited to amount of ram available), by dragging the transitions between clips. You can also change the length of the transition by sliding the arrow towards the left in the preview window before you add the transition between clips. The numbers below the preview window indicate the length of the transition. You can alter the length by sliding the arrow. Remember your selected clip has to be long enough for the transition to take place.

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### Adding Music

iMovie's audio features are weak. You can't, for example, replace one clip's audio track with another's. If you have a clip with unintelligible noise in the background, consider adding a music soundtrack. To do this, click on the clip, then lower the scene's audio levels until they're quieter than the music but still audible. If you do not want to hear the clip's audio, mute it. When you add a transition before a clip, select the transition and then turn its volume down partway or all the way. If you split a clip at the point where you want to change its sound level (choose Split Clip At Playhead (apple T, from the Edit menu). You now have two clips with levels you can adjust independently.

### Exporting Your Movie

You've finished the movie, now it's time to export it. Go to file, then (export movie, or press apple e). With iMovie's Export Movie command you can record it to videotape, or save it as a QuickTime movie. When exporting to videotape, iMovie lets you add a few seconds of black before the movie begins. Unfortunately, it doesn't let you add black after the movie. To add some black, try to record a little bit with the lens cap on. This will create blank (black) footage. You then can move the clip to the end of your movie. If you need more black footage you can copy and duplicate clips with iMovie.

### More Advanced Ideas

#### Adding Still Images

You can also import still images into a project and combine them into a video slide show, or add them in different places in your movie. iMovie lacks image-tweaking features, so you can't crop, or otherwise tweak your images. Do your image-editing before you import your images. iMovie displays still images for a default time of 10 seconds. You can change the amount of time an image appears on the screen, by selecting the image and then typing a duration value in the time area of the Clip Viewer. After you've imported images, add transitions between them (cross-dissolves work well). You can import a power point presentation by saving it as a JPEG, then from iMovie going to edit, import files, navigate to the saved power point jpeg files and highlight them, click import.

### Importing Quicktime Movies

**iMovie** can't import QuickTime movies but if you have Apple's \$29 QuickTimePro ([www.apple.com/quicktime/upgrade/](http://www.apple.com/quicktime/upgrade/)), there is a work around. Open the movie with QuickTime player, select the Export command, and choose the Movie To DV Stream option from the Export pop-up menu.

### Importing Older Analog Video

Video you shot with your old camcorder can also be edited. Simply dub your analog cassettes to your DV camcorder by connecting the analog VCR's outputs to the DV camcorder's inputs with standard video patch cords. Once you've made the connections, press your DV camcorder's record button and your VCR's play button. When you've finished, use iMovie to capture the DV dub.

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### Closing Thoughts

- \* I would grab the **iMovie** Plug-in Pack from the apple site ([www.apple.com/imovie/](http://www.apple.com/imovie/)). It adds six title styles and eight transitions effects to your **imovie** package.
- \* The last page is a screen shot of **iMovie**. I tried to label parts that I thought would be useful.

### iMovie in a Nutshell

1. Connect camera to IMac DV computer
2. Turn on camera and start **iMovie**
3. Choose New Project from the File menu.
4. Give your movie a name and then click on Create.
5. If you don't see, "camera is ready," check to see if camera is on, or click camera icon.
6. Locate video clips using player controls.
7. Download video clips to the shelf (clipboard). Spacebar starts or stops capture
8. Edit scenes (split at head) or apple T
9. Delete unwanted footage apple x, or delete key(remember to empty trash)
10. Drag the "keepers" to the time line or clip viewer (edit again if necessary).
11. Add transitions, music, sounds, titles etc.
12. View finished product using time line viewer or clip viewer(edit again if necessary).
13. Export back to DV camera (file..export movie or apple e).
14. Dub to analog (VHS) tape for mass viewing.


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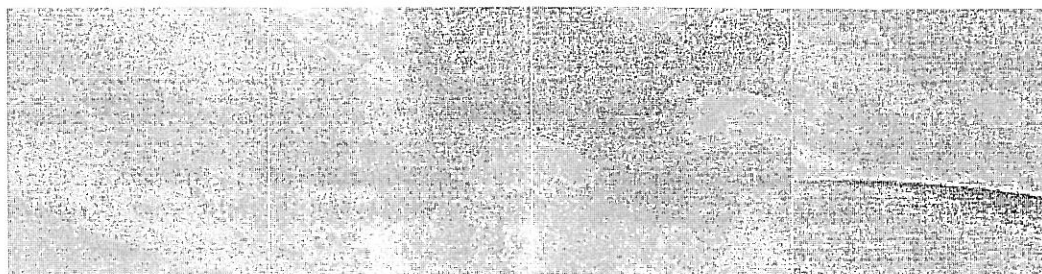
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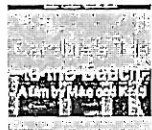
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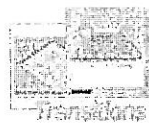
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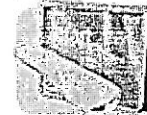
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Content Updated: January 07, 2003

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### PC Requirements

Windows Movie Maker 2 requires the following minimum system configuration for your PC:

- Microsoft Windows XP Home Edition or Windows XP Professional
- A 600 megahertz (MHz) processor, such as an Intel Pentium III, Advanced Micro Devices (AMD) Athlon, or equivalent processor
- 128 megabytes (MB) of RAM
- 2 gigabytes (GB) of free hard disk space
- An audio capture device (to capture audio from external sources)
- A DV or analog video capture device (to capture video from



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external sources)

- An Internet connection (to save and send a movie to the Web or to send a movie as an attachment in an e-mail message)

Keep in mind that video editing is a processor-intensive activity. In order to optimize your experience and the performance of Windows Movie Maker, we recommend the following:

- A 1.5 gigahertz (GHz) processor, such as an Intel Pentium 4, an AMD Athlon XP 1500+, or equivalent processor
- 256 megabytes (MB) of RAM

## Video Capture

You will need capture hardware to transfer videos into your PC. The hardware required will depend on the source of your video.

If you have a digital video (DV) camera, you'll need either a FireWire card (also known as IEEE 1394) or an analog video capture card. FireWire is recommended for the best quality results. Many new PCs come with a FireWire card already installed. If not, there are a number of manufacturers that make a card that will work with your PC.

If you have an analog camcorder, a Web camera, or a VCR, you will need an analog video capture card.

## Playback

To play the movies you've created with Movie Maker, you will need the following software:

- Microsoft Windows Media Player 7.0 or later ([Windows Media Player 9 Series](#) is recommended to optimize movie playback)
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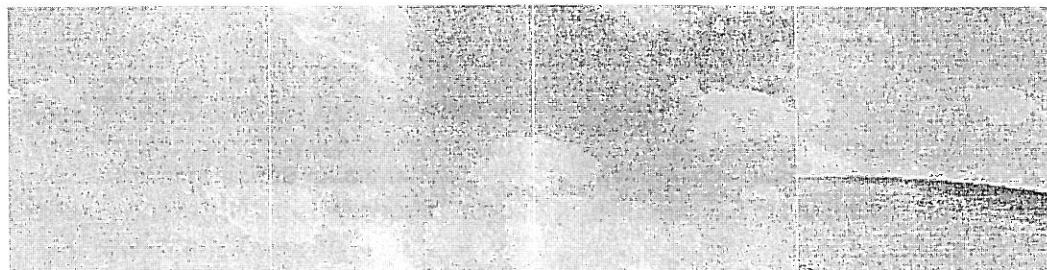
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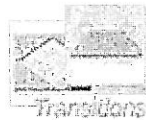
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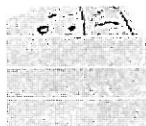
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