

## iMovie

Created by Nona Weiner for the LINC program at Foothill College, Spring 2001

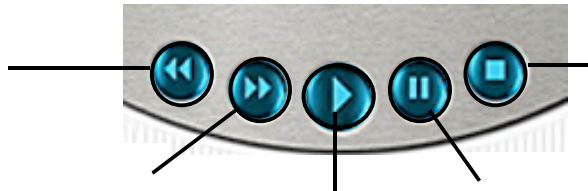
### Previewing clips & putting them into a movie

iMovie places captured clips on the **shelf** to the right of its monitor. The **shelf** is the holding area for clips just captured or not currently being used in the movie. iMovie 1 holds only nine clips. iMovie 2 holds many, many more.

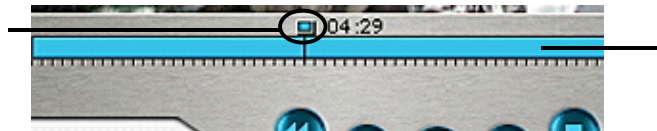


#### Previewing & Capturing clips:

- Connect the DV device to your computer. If you are using a camcorder, set the power switch to VTR mode.
- Click on the **Play** button on the play back controls or press the **Space Bar** on the keyboard to preview.



The **Playhead** moves across the **scrubber bar** under the monitor.



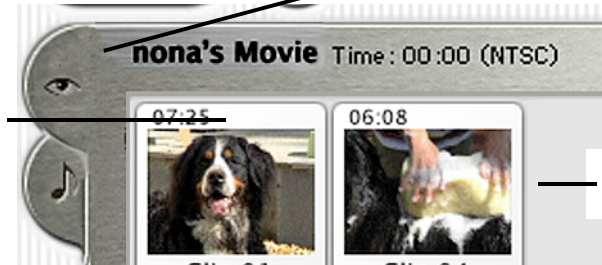
You may drag the **playhead** to move anywhere in the clip.

- • Clicking the **Fast Forward** & **Rewind** buttons several times in a row will preview the clip progressively faster in either direction • •
- **Rewind** to a few seconds before the desired footage.
- Click the **Import** button to start capturing or hit the **Space Bar**.
- Click the **Import** button or press the **Space Bar** when finished.
- The clips will now be on the shelf.

### Moving clips

Once you know what is in the clips, begin making a movie by moving the clips from the shelf to the **movie track** in the **clip viewer**. Each clip's first frame is shown in the **Clip Viewer**.

1. Click the **Clip Viewer** tab (the eye) in the bottom left corner of the screen.



2. Drag a clip from the shelf to the **movie track**.  
To move multiple clips, hold down the **Shift** key while clicking on the clips of your choice on the shelf or choose **Select All** in the **Edit** menu.
3. Move all clips you want to the **Clip Viewer**.

### Arranging the order of clips

Arrange the order of clips in the movie in the **movie track**.

To change the clip order in a movie:

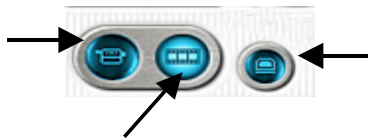
- Choose **Select None** in the **Edit** menu or click in the space above the **Clip Viewer** to deselect clips in the movie track.
- Drag a clip to its new location in the track.
- Release the mouse button to insert the clip in its new location before or after another clip in the **Clip Viewer**.

### Renaming clips

iMovie gives clips a generic name upon capture. To rename clips, click the name under the thumbnail on the shelf or in the clipview and type a new name. This will help keep track of edited clips.

### Editing video clips

To edit video clips in iMovie, click the **Edit** button.

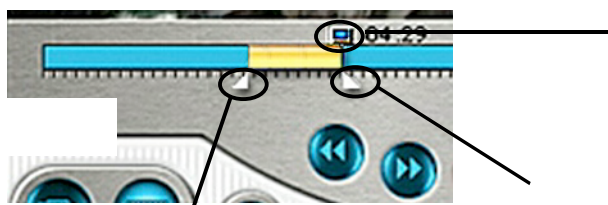


In **edit mode** crop or split clips to the desired length, copy and paste sections of clips and arrange them into movies, add transitions between clips, manage clips by renaming them in the shelf.

### Cropping

Often clips are longer than needed. Excess footage can be removed from a clip with the crop markers just below the scrubber bar under the monitor.

Remove footage from the beginning or end of a clip:



1. Click on the clip on the **shelf**, in the **clip viewer** or in the **audio viewer**.
2. Click below the **scrubber bar** under the monitor & drag the **crop markers** to the beginning and end frames desired.
  - • To move one frame at a time use the **Left & Right Arrow** keys at the bottom of your keyboard • •
3. Choose **Crop** in the **Edit** menu.

### Splitting a Clip

One clip can be split into two clips. This way an unused part of a clip may be kept on the shelf for later use.

Split a clip:

- a. Click on the clip on the **shelf**, in the **clip viewer** or in the **audio viewer**.
- b. On the scrubber bar move the playhead to the frame for the desired split.
- c. Choose **Split Clip at Playhead** in the **Edit** menu.

### Editing with Cut, Copy, Paste & Clear

Any element may be copied to the **Clipboard**, then pasted into a new clip or location.

Use **Cut** to move an element, clip, or portion of a clip from a location to another:

- a. Choose the element or clip, or a part of a clip using the **crop markers**.
- b. Choose **Cut** in the **Edit** menu.
- c. Choose **Paste** in the **Edit** menu to put the clip or portion of a clip into a new clip anywhere you choose.

Use **Copy** to duplicate an element, clip, or portion of a clip.

- a. Choose the element or clip, or a part of a clip using the **crop markers**.
- b. Choose **Copy** in the **Edit** menu.
- c. Choose **Paste** in the **Edit** menu to put the clip or portion of a clip into a new clip anywhere you choose.

Use **Clear** to permanently remove a clip, or portion of a clip from the movie.

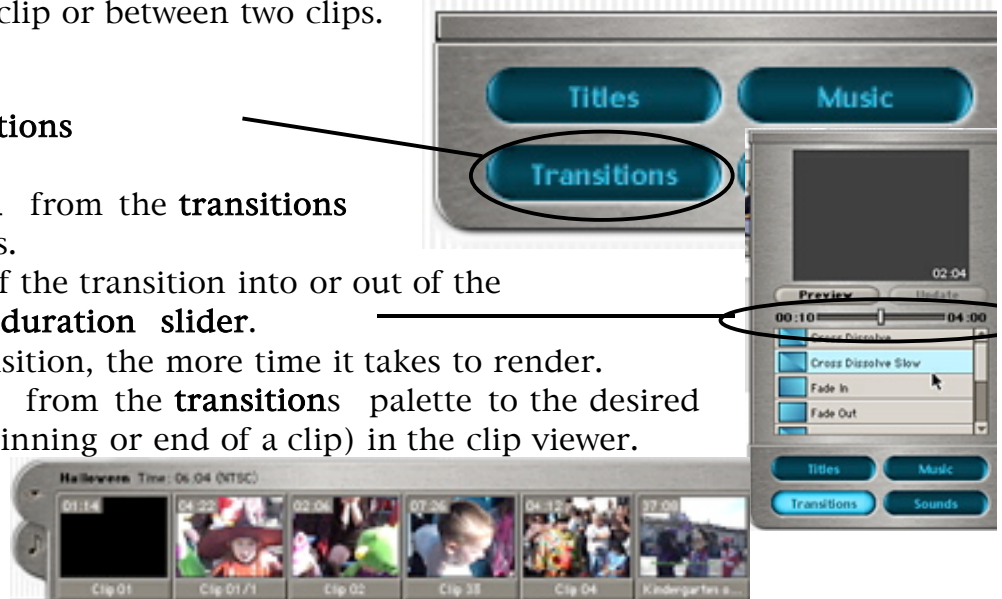
- a. Choose the element or clip, or a part of a clip using the **crop markers**.
- b. Choose **Clear** in the **Edit** menu or press the **Delete** key on the keyboard.
  - • To undo, immediately choose **Undo** in the **Edit** menu • •

## Adding transitions to clips

**Transitions** make the cuts between clips smooth. They are added to the beginning or end of a clip or between two clips.

To add a **transition**:

1. Click on the **Transitions** button.
2. Choose a **transition** from the **transitions** palette that appears.
3. Choose the speed of the transition into or out of the clip by moving the **duration slider**.  
The slower the transition, the more time it takes to render.
4. Drag the **transition** from the **transitions** palette to the desired location (at the beginning or end of a clip) in the clip viewer.



- • A **transition** icon appears in the clip viewer and a red progress bar indicates time remaining to render. You may continue to work while **transitions** render • •

To preview a rendered **transition**:

Click on the **transition** icon in the clip viewer, click **Play** or the **Space bar**.

To preview the rendered **transition** in the movie either:

1. Choose **Select None** in the **Edit** menu & click **Play**.  
or
2. Click on the space above the clip viewer to deselect all clips, then click **Play**.

## Previewing movie full screen

Click the **Play Movie Full Screen** button.



## Audio

Background music from any audio CD, sound effects, or voice narrations may be added to a movie. The audio clip sequences may be arranged & their duration trimmed.

## Adding music

There are two ways to add music to a movie: recording music from an audio CD or importing an AIFF audio file.

Music tracks can be recorded from an audio CD directly into the movie:

1. Click on the **Music** button.
2. Insert an audio CD in the CD-ROM drive.

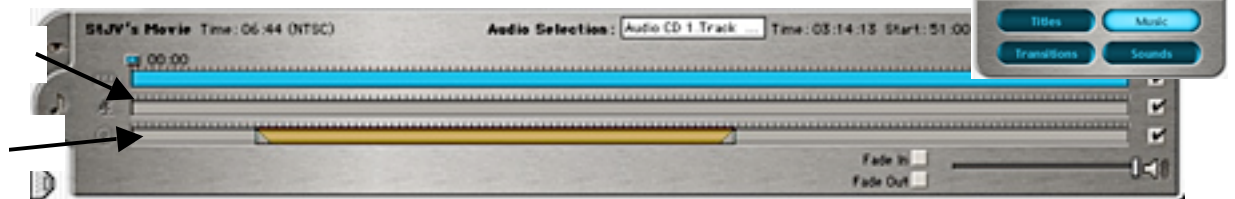
If the CD automatically plays, click the **Stop** button on the music palette.

To stop this from happening again, open the QuickTime Settings control panel & choose **AutoPlay** from the pop-up menu, then uncheck both boxes in the panel.





3. Choose a track in the music palette & either:
  - Drag the audio CD track from the music palette to the music track on the audio viewer.



or

- Click the **Record** button on the music palette to record music into the movie, then click the **Stop** button to end.
- • There are **copyright** laws that govern the use of third-party material like music tracks on CDs. Do not model illegal behavior for your students. • •

To import an AIFF audio file:

1. Move the playhead in the audio view to the beginning of the movie. (this sets the insertion point for the audio file)
2. Choose **Import File** from the **Edit** menu.
3. Select the AIFF audio file & click **Import** to import the file. The music clip appears in the music track.

### Adding sound effects

Sound effects may be inserted anywhere in the movie on the narration or music tracks. Sound effects are marked by a square.

To add a sound effect:

1. Click the **Sounds** button.
2. Drag the sound effect from the list in the **Sounds** palette to the desired position on the narration or music track.

The sound effect may be repositioned at any time by dragging it to a new position.

To delete a sound effect:

1. Select the sound effect in the narration or music track.
2. Press the **Delete** key.



### Adding voice narration

Record voice but using a microphone connected to the computer:

1. Position the playhead at the desired starting point in the audio viewer.
2. Click the **Sounds** button.
3. Click the **Record Voice** button in the **sounds** palette.
4. Speak into the microphone. Click the **Stop** button when finished. Use the volume level meter to determine how loudly to speak. Optimum level is between 50% and 75%.

### Cropping audio elements

1. Select the element in the narration or music track.
2. Drag the beginning or end **crop marker** to the desired position.

Position a **crop marker** frame accurately by using the **Left** or **Right Arrow** keys after clicking on the marker to nudge it frame by frame.

Hold down the **Shift** key while using the **Arrow** keys to move in greater increments.

3. Choose **Crop** from the **Edit**.

•• Sound effects cannot be cropped ••

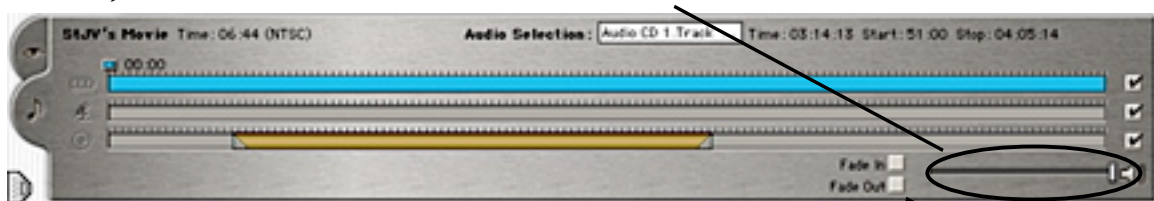
### Adjusting volume levels

To adjust the master volume level:

- Drag the **volume level thumbwheel** to the right to increase or to the left to decrease the volume.
- or
- Press the **Up** or **Down Arrow** keys on the keyboard.
- This master control adjusts the volume level of your computer system and does not affect the volume level of the files in the movie. The system's volume level will reset to the original level when iMovie is quit.

To adjust the volume of an audio element:

- Select a DV clip or an audio element in the narration or music track & adjust the volume slider to the desired level.





To taper the incoming or outgoing volume of any audio element:

- Select a DV clip or an audio element in the narration or music track & check the **Fade In** or **Fade Out** box.

To mute the audio in the video, narration or music track:

- Uncheck the box at the end of the track.
- • Any track that is muted will not export to the movie • •

### Repositioning audio elements

- Drag the element to any desired position on the narration or music track. Audio elements may overlap each other.
- To position frame accurately use the **Left** or **Right Arrow** keys after clicking on the marker to nudge the element frame by frame. Hold down the **Shift** key while using the **Arrow** keys to move in greater increments.

### Exporting to tape

Once a movie is created in iMovie, it can be exported to a DV camcorder or deck.

To record the movie on tape:

1. Connect the DV device to the computer with the **FireWire** cable.
  - • Be sure there is a tape that can be recorded over in the DV device. Preview the tape to be certain you are not recording over source footage
  - •
2. Choose **Export Movie** from the **Edit** menu.
3. Choose **Camera** from the **Export to** pop-up menu.
4. Use the default values in the **Add & Wait** fields unless you want longer durations.
5. Click the **Export** button.

### Previewing the final output

When the movie is finished recording to tape, switch from **edit** to **camera** mode and use the playback controls to rewind & play the movie.

### Exporting to a QuickTime File

The final movie can be exported to a QuickTime file and used online for distribution over the Internet or on CD-ROM.

To export the movie to a QuickTime file:

1. Open the **File** menu & choose **Export Movie**.
2. Choose **QuickTime** from the **Export to** pop-up menu.
3. Choose a movie format from the **Formats** pop-up menu.

**Email & Web** formats require QuickTime 4.0 or later installed on the viewing computer. For QuickTime 3.0 compatibility Apple recommends choosing **Web Movie, Small (QT3.0)** or using the **Expert QuickTime** settings.

- **Email Movie, Small** creates a small movie file optimized for sending to others through e-mail. The viewer must have QuickTime 4.0 or later installed on the computer.
  - **Web Movie, Small** creates a movie optimized for playback over the World Wide Web. The viewer must have QuickTime 4.0 or later installed on the computer.
  - **Web Movie, Small (QT3.0)** creates a QuickTime 3.0 compatible movie optimized for playback over the World Wide Web.
  - **CD-ROM Movie, Medium** creates a movie optimized for playback from slower CD-ROM drives.
  - **CD-ROM Movie, Large** creates a high-quality movie optimized for playback from faster CD-ROM drives.
  - **Expert...** brings up a dialog window that allows you to export movies using custom QuickTime settings.
4. Click **Export**.
  5. Name the movie & choose a destination for the file.
  6. Click **Save**.

Exporting a movie may take a few minutes depending on the length of the movie & the export format chosen.

When the movie has been saved, double-click it to play it.

### Exporting a still image

A DV camcorder can be used as a still image camera with iMovie. DV clips are made up of many still frames. Any of these frames may be exported as a still image.

To export a still image from a video frame:

1. Select a captured DV clip.
2. Position the playhead on the frame to be saved as a still image.
3. Choose **Save Frame As** from the **File** menu.



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4. Choose **Macintosh Pict File** or **JPEG** from the **Format** pop-up menu.  
**Macintosh Pict File** for use in an iMovie movie  
**JPEG** to e-mail or posting on the World Wide Web
5. Click **Save**.

**Have fun!!**