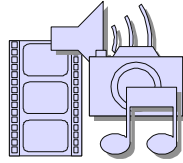


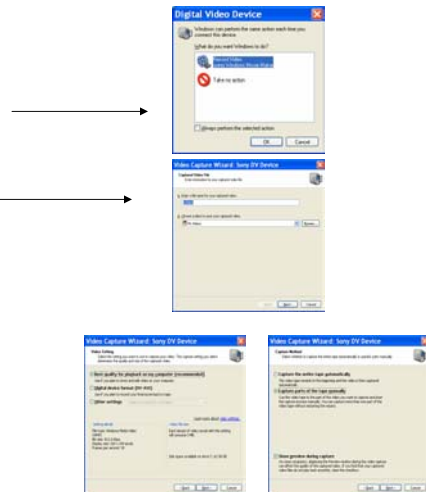
Video Production with Windows Movie Maker



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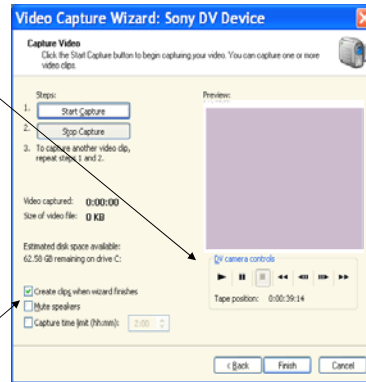
Capture from camera (1)

- Plug in your camera (USB or Firewire) and turn on its power; this message pops up; click OK
- Movie Maker comes up, with a capture wizard
- Name your video capture; the raw video will save in My Videos, which is inside the My Documents folder
- Click “Next” on this window and on the next 2 windows



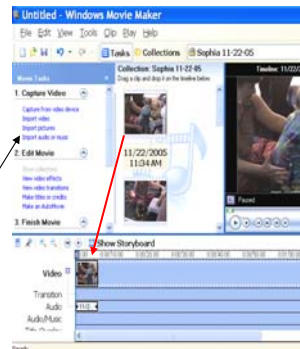
Capture from camera (2)

- The last wizard window captures
- These controls work the camera
 - You may need to rewind to the beginning of your movie
- Use the Start and Stop buttons to tell the computer what to capture
 - You may want to press Start before clicking the Play control
- “Create clips” can be useful, so leave it on
- Click Finish to start the editing process



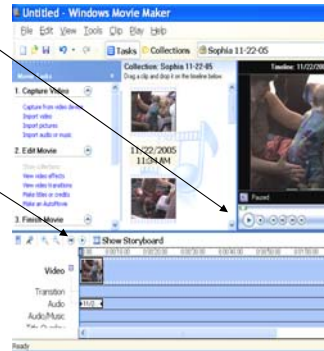
Inserting clips (1)

- Using mouse, drag first clip from the Collections Pane down to the Timeline
 - Video and Audio portions of clip show separately but linked
- Repeat process for all clips
- You can also use stills or clips stored on computer or disk. On the Task Pane, click “Import” then drag items from Collections to Timeline.
 - A movie with nothing but stills is a slideshow



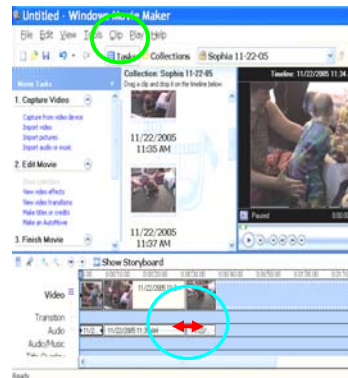
Inserting clips (2)

- Use these buttons to play clip
- Use these buttons to play entire Timeline
or
- Click anywhere along Timeline and click Play



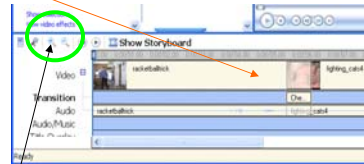
Editing clips: Trim & Split

- If a clip or scene has unwanted parts, you can trim it from either end. Just put the mouse the left or right edge and drag in.
 - If you trim a still picture, it shortens the time it shows in the movie
- If you want to split a clip in two, click on the Timeline where you want, then use the Clip menu and Split



Editing clips: Transitions

- If you move a clip to the left into the end of the previous clip, it creates a crossfade transition
- Click “View Transitions” on the Task Pane for other transitions
- Drag the transition you want to the Timeline in between the 2 clips
 - You can change the length of a transition like any clip, but you may need to magnify first



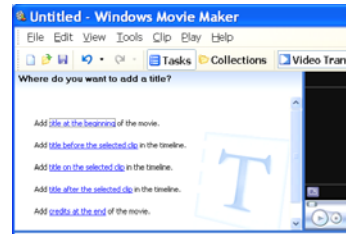
Editing clips: Effects

- Highlight a clip and give it Special Effects by choosing “View Effects” in the Task Pane
- Drag the Effect onto the clip
- A clip can have more than one Effect, such as “Increase Brightness” and “Fade to Black”
 - If you want an Effect on only part of the clip, Split the clip first



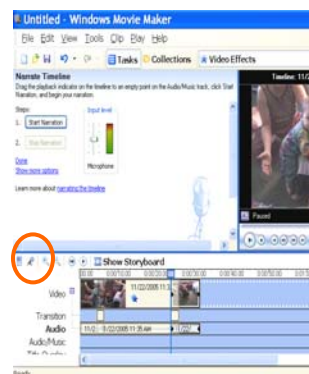
Editing clips: Titles

- On the Task Pane, click “Make Titles or Credits” and this appears
 - “Title at the beginning” creates a new clip
 - “Title on the selected clip” creates a fade in/out title at the beginning of a clip (e.g. the first clip)
- Type in your title
- Scroll down to choose different fonts, etc.
- Click Done when finished



Working with audio (1)

- Right click on the audio portion of a clip to adjust volume or mute it
- Click the microphone icon to record a narration track
- or
- Click “Import Audio” on the Task Pane to insert a .wav or .mp3 file (e.g. music or sound effects)



- But what if you want both narration and background music?
- You can't do that in Movie Maker
- But you can do it elsewhere and bring it into Movie Maker....

Interface for Audacity

A Digital Audio Editor

Free at <http://audacity.sourceforge.net/>

The screenshot shows the Audacity interface with several callout boxes pointing to specific features:

- File Menu: Export**: Export as WAV or MP3 (with lame.dll)
- Project Menu: Quick Mix**: Mix down highlighted tracks to 1 track
- Tools**:
 - Select/move cursor
 - Envelope (volume curve)
 - Zoom (magnify)
 - Time shift (slide selection)
 - Playback volume (NOT volume of export!)
 - Mic volume
- Active Track**: Click on Track Name Box to select; hold Shift for multiple select
- Track Name Box**: Name (click/edit), Volume (- 0 +), Panning (L_C_R)
- Playback Controls**
- Monitor Meters**: Output level, Input level. Adjust track volumes to avoid red-lining (clipping)
- Track Selections**: Add new tracks automatically by recording or with Project/Import menu. Make changes by highlighting, then:
 - Copy, Trim, Split using Edit menu.
 - Effects from Effects menu

Working with Audacity

- **Record audio**: plug in mic, then click round Record button
- **Import audio**: click Project/Import Audio to get .wav, .aif, or .mp3 files saved on your hard drive or other storage
 - Use findsounds.com or soundamerica.com for sound effects
 - www.grsites.com/sounds/ or www.stonewashed.net/animal.html for loops
- **Lay multiple tracks**: each import or record creates new track
- **Adjust volume of each track**: use - _____ + slider on left
- **Adjust panning of each track**: use L _____ R slider on left (*important for stereo!*)
- **Add effects to tracks**: use Effect menu for echo, reverb, etc.
- **Combine tracks**: Project/Mixdown highlighted tracks to one
- **Export to audio file**: File/Export to .wav or .mp3
 - Note: for Audacity to use mp3, download the LAME MP3 decoder, such as at <http://www-users.york.ac.uk/~raa110/audacity/lame.html>. Save it in your Audacity folder at C:\Program Files\Audacity

Working with Audacity (2)

- Set up your desktop with Movie Maker and Audacity showing
- Audacity: click Record
- Movie Maker: click Play
- Record your voice while watching movie
- Audacity: stop recording, then delete empty areas
- Add music and/or sound effects files on separate tracks
- Adjust volumes & pans
- Click File/Export as a .WAV file; then import into Movie Maker



It would be great if you could use the mic in Movie Maker and move the recording into Audacity, but Audacity won't take .wma files.

Finishing your movie (1)

- When you click File/Save Movie, you get a wizard; in the first window, click Next
- In the second window, give the final movie a name and note or change where you want to save it



Finishing your movie (2)

- In the third window, note the information at the bottom (.wmv format, size of display, size of file, etc.); click Next
- In the fourth window, watch your movie being saved
- When it's done, it will automatically play in Windows Media Player. Now it's ready to send as e-mail attachment, burn to CD, etc.



Advanced Audio-Video Production

- Software:
 - Adobe Premiere
 - Pinnacle Studio
 - Sony Vegas Movie Studio
- Features to look for:
 - Multiple tracks for video & stills (for overlays)
 - Multiple tracks for audio (for mic, music, effects)
 - Special effects for fades, transitions, speed, etc.
 - Options for final product formats & codecs
 - (e.g. WMV, AVI, MPEG, MOV, DVD)