Video, Video Everywhere
Using Video in Teaching
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Web Video
In the beginning

- YouTube and video sharing
- Explosive growth
  - Validated concept of online video
    - Users not only watch
    - Users will also create and share
Characteristics of Web Video

- User-generated content
  - Lower production quality
    - grainy and blurry video
- Disseminated on the Web
  - Uploaded to video sharing sites
  - Viewed in Web browsers
- Popularity based on...
  - entertainment and information value
  - production quality less important
Traditional Video...

- Produced by video professionals
  - Expensive Equipment
    - Digital Camera, video workstation, etc
  - Expensive Software
    - Adobe Premiere, Final Cut, etc.
- Distributed on media
  - Videotapes, CD, DVD
- Hard to use online
  - Must capture, compress, encode, upload, embed into HTML for the Web
Web Video...

- Created by Users
  - Low-cost equipment
    - Mini DV camera, web cam, personal computers
  - Free or low-cost software
    - Windows Movie Maker (PC), iMovie (Mac)
  - Can be saved directly to computer
    - Media (mini DV tapes, DVD, HD) are optional
  - Easy to use online
    - Save as Web-ready video (no capture/compression/encoding)
    - Upload to video sites immediately for quick viewing
Web Video and Deaf Education

- For teachers of deaf learners
  - Web video as visual text
    - Sign language is natural language of medium
  - Using word processor
    - You can produce class handouts
  - Using webcams/mini DV Cameras
    - You can produce video for classroom
Web 2.0 Video
What Is Web 2.0?

- Older video sharing sites
  - Offer only on-demand video

- New breed of Web 2.0 video sites
  - Offer Web-based services besides video sharing/hosting
  - Do things in web browsers previously requiring desktop software
    - Trim clips
    - Assemble clips in storyboard or timeline
    - Add titles, effects, transitions
    - Save edited video
    - Use in video blogs, social networking sites
More Web 2.0

- Newest Web 2.0 video sites also offer
  - More user control, user-to-user interaction
    - Direct video capture from webcam to server
      - e.g., YouTube
    - Live streaming broadcast from webcam with video chat
      - e.g. live.yahoo.com
  - Video discussions
    - Website: [www.seesmic.com](http://www.seesmic.com)
    - Check out: [http://api.seesmic.com/lsrccrd](http://api.seesmic.com/lsrccrd)
Web 2.0 Video – Pros & Cons

**Benefits...**
- Most services free
- Easy to use
- Browser-based
  - no software to install
  - can work anywhere

**Caveats...**
- Less powerful than desktop software
- If websites can’t make money
  - may close down
  - may start charging fees
- Worried?
  - use services owned by Google, Yahoo, etc.
Demonstration
Producing Web Video
Producing Web Video

- Logitech Webcam Ultra Vision
  - Connect to PC using USB cable
  - Sit down, self-tape, save video clips to computer

- Canon Mini DV camera
  - Connect to PC with FireWire cable
  - Point, shoot, save video clips to computer

- Windows Movie Maker (for PC)
  - Find clips, drag to storyboard or timeline
  - Trim, edit, add titles, add transitions, add effects
  - Export, upload, view, share
Demonstration

Using Web 2.0 Video Services
Sharing & Hosting

**YouTube**
- Upload unlimited number of videos
- Tag/Comment videos
- Control over privacy
- Embed in your blog/website
- [www.youtube.com](http://www.youtube.com)

**Blip.tv**
- Upload videos
- Share videos
- Works with other Web 2.0 sites
- [www.blip.tv](http://www.blip.tv)
Editing

Jumpcut
- Upload videos
- Add photos
- Grab media from public sources
- Web-based editor lets you create your own movie
- Post to other websites
- www.jumpcut.com

Motionbox
- Upload videos
- Edit, trim, and join videos
- Secure sharing
- www.motionbox.com
Titles, Effects, Transitions

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- Upload videos
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- Add titles, effects, transitions
- Post to other websites
- www.jumpcut.com

Eyespot
- Upload videos
- Add images, audio
- Use “mixables” — a collection of files created by others
- Web-based editor is easy to use
- Add special effects
- Share with others
- www.eyespot.com
Serving Video to Students
Vlogs: Why Bother?

- Vlog = Video Blog
- Instead of text, vlogs feature user-generated video
- Great way to engage visual learners
- Students can visit and comment on video
- Vlogs help create a community on the web
- Students can add your vlog to their RSS reader for content updates without having to visit your site
Video Tagging & Web 2.0 Services

- Tagging means adding relevant keywords to your video
- Users can search your vlog and find posts and content related to specific tags
## Creating a Vlog

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<thead>
<tr>
<th>Wordpress</th>
<th>Blogger</th>
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<td>• Design tools &amp; templates</td>
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<td>• <a href="#">Sample Wordpress blog</a></td>
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Web Video Issues
Accessibility

- Law requiring TV captions do not apply to web video
- Most online video is uncaptioned
- Need for Web 2.0 captioning tools
  - To caption video that is already shared on the Web
  - Tool should work online (no software to install)
  - Prototype tool: IdeaTools captioning
Demonstration

- IdeaTools Web Captioning Tool
  - A way to caption video already shared on the Web
  - Can be developed into a Web 2.0 service
    - Upload video to YouTube
    - Use IdeaTools to caption video on YouTube
    - Save captions on IdeaTools
    - View captioned video in a blog or vlog (video blog)
      - Video is on YouTube
      - Captions are on IdeaTools
      - Both work together in the blog or vlog
Creative Commons License

• In a nutshell, “some rights reserved”
  • For example,
    • Free for non-commercial use, or
    • Permission to use but not modify (create derivative work)
• More flexible than traditional copyright
• Free licenses commonly used when releasing work on the Web
In Closing
In Closing...

- We believe it is worthwhile to make a special investment in learning this new technology to benefit deaf learners
Quick Announcements...

- Two related presentations

  - Multimedia Lesson Design for the Design Novice
    - Using Web 2.0 for image processing and multimedia design
    - Tuesday, 1:00 PM, 60-3237

  - Videoconferencing Using Open-Source Software
    - Live webcam streaming for distance learning and communications
    - Wednesday, 10:00 AM, 55-1300
Questions?