Video Technology to Prompt Multi-Step Task Completion

Session #29
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What is Video-Based Instruction

• Use of video captions to:
  – teach a new skill (remove the video after the skill has been mastered)
  – demonstrate how to complete a task (permanent prompt)
How is Video-Based Instruction Used?

• Stand alone
  – with or without voice over, verbal directions

• Combination with picture prompts
  – With or without voice over, verbal directions
Problem/Concern Addressed by Video-Based Instruction

- Generalization of skills
- Teaching within natural contexts
- Limited community-based instruction
- Need for simulation
  - Stimulus and response requirements
  - Multiple examples
Why is Video-Based Instruction Effective?

1. Motivating, reinforcing materials
2. Individualization of instruction
3. Real life materials and replications
4. Multiple teaching examples
5. Repetitive practice
Types of Video-Based Instruction

• Video Modeling (VM): person watches an entire video model of the task and completes the entire task immediately or at a later time

• Video Prompting (VP): person watches a step or cluster of steps, completes the step, returns to the system to watch the next step and so forth
Types of Video-Based Instruction

- Simultaneous Video Modeling (SVM): Person simultaneously completes a task while a video is playing

Blum-Dimaya, Reeve, Reeve, & Hoch, 2010; Sancho, Sidener, Reeve, & Sidener, 2010; Taber-Doughty, Patton, & Brennan, 2008
Types of Video-Based Instruction

- Continuous Video Modeling (CVM): Video model continues to play (loop) as many times as needed while the individual completes the task.
  - Individual completes steps synchronized with the video
  - Individual selects material or step based on video currently playing
  - Individual selects material and waits for video to loop and play

Who/What is in the Video

– Video self modeling
– Video modeling of “other”
  • Peer
  • Adult
  • Familiar/unfamiliar
– Scene video
– Point-of View video
Inserting pictures

- Insert picture
- Using a portion of the picture
  - Shapes – insert shape over picture area
    - click on shape – format – shape fill - no fill – shape outline - no line
    - Insert – hyperlink or action
Inserting videos

• Insert video – playback – on a click or automatically

• Transition
  – Advance Slide
    • On a click or automatically after ____ seconds

• Slide Show
  – Set up slide show
    • Browsed at kiosk
Skills Taught with VBI

- Video used as reinforcement *
- Safety *
- Vocation *
- Transitioning, independent work tasks *
- Community *
  - Transportation
  - Grocery shopping
  - APM
- Home living *
- Social
- Communication

* Examples to be presented
Presentation Formats

- Desk top, laptop, portable DVD player
- Interactive whiteboards
  - Small group instruction
  - Incidental learning
- Personal Digital Assistants (PDA)
- iDevices
  - iPad, iPhone
iDevices

- Folder of photos or videos
  - Camera Roll – Edit – Select photos – Add to new album – name album
- Sounding Board: App by Ablenet for linking photos
- My Talk Tools: App for linking photos and videos
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References


