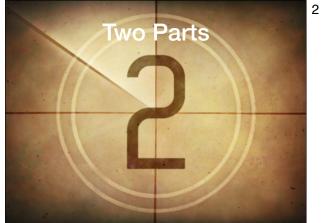
The Mini Studio / Video **Best Practices:**

Educational Videos that Work

condor.depaul.edu/jmoore/dputc2018/





I would like to thank my colleagues at DePaul University for their assistance, guidance, and suggestions: Theophilus Jamal, Josh Lund, and Rick Salisbury (now at Northwestern University),











Avoid Classroom Recording

Reasons

Time to setup

Things go wrong

Imperfect sound

Interruptions

Awful lighting

Broken equipment



.

Same Day Delivery







Basic Equipment

MiniStudio

Mac Pro / Wacom Cintiq

Webcam

Backdrop

Lighting

Adjustable height desk





14

Conceptual Model







Cintiq 22HD Creative Pen Display



Two Screens



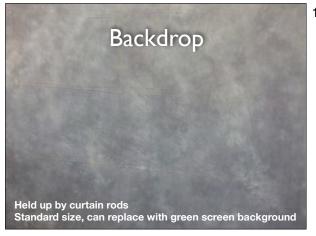
Content Recorded

Abstracted view (controls hidden)

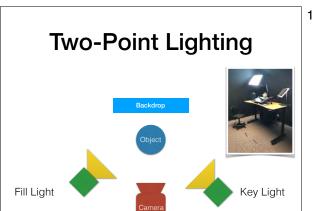


Content Annotated

Full access to controls & tools



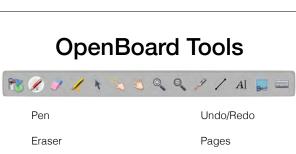






Recording With ScreenFlow





Highlighter

Laser Pointer

22

Previous/Next

Erase





The importance of backups







Human Intervention

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Scheduling

26





Quick, rather than perfect

29



Check inventory

Inventory

- Mac Pro (Quad-Core and Dual GPU) Computer Cost: \$2,799.00
- Cintiq 22HD Creative Pen Display Cost: \$1,999.00
- Blue Microphones Snowball USB Microphone Cost:
- Blue Microphones The Pop Universal Pop Filter Cost: \$28.99
- PylePro PMKS15 Universal Compact Base Microphone Stand - Cost \$35.05

Inventory

- Logitech Brio Webcam Cost: \$198.99
- On Stage MS7201B Round Base Microphone Stand -Cost: \$21.95
- Adjustable Height Desk Cost: \$995
- Adjustable Height Cabinet Cost: \$156.90
- Balt Trax Stool, Model 34430 (Black) Cost: \$182.00
- G-Technology G-DOCK ev with Thunderbolt 2TB External Dual-Hard Drive Storage - Cost: \$654.95

Inventory

- Belkin Pivot Wall Mount Surge Protector with 6 Outlets Cost: \$14.49
- ePhoto Digital Video Continuous Softbox Lighting Kit Cost: \$109.99
- Acer B296CL Monitor Cost \$499.99
- Muslin Backdrop Cost: \$50
- · Curtain Rods: \$49
- · Logitech Spotlight Cost: \$99
- ScreenFlow Cost: \$99.00 (10% academic discount available)
- OpenBoard Cost: Free

Total: \$8051.35

Video Best Practices:

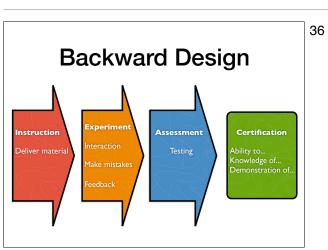
Educational Videos that Work



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Questions

38

Why Am I Doing This?





Short / Focussed / Activity







Research



43

12 Principles

1. Coherence 7. Pre-training
2. Signalling 8. Modality
3. Redundancy 9. Personalization
4. Spatial Contiguity 10. Voice
5. Temporal Contiguity 11. Embodiment
6. Segmenting 12. Image

44

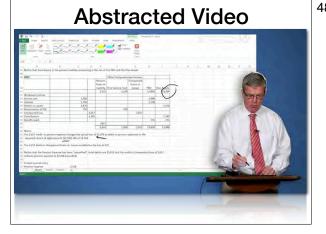
1: Coherence

Remove unnecessary text, images, and sounds





Too Much Information



3: Redundancy



Students learn better from images and narration alone, than images, narration, and onscreen text

53

3: Redundancy



Possible Exception



4: Spatial Contiguity

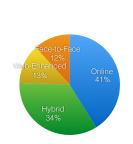
Students learn better when corresponding words and pictures are near each other

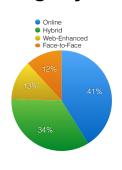
Spatial Contiguity





Spatial Contiguity





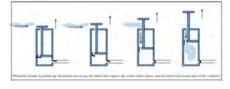
56

Spatial Contiguity

5: Temporal Contiguity

Students learn better when corresponding words and pictures are presented simultaneously

Temporal Contiguity



59

6: Segmenting

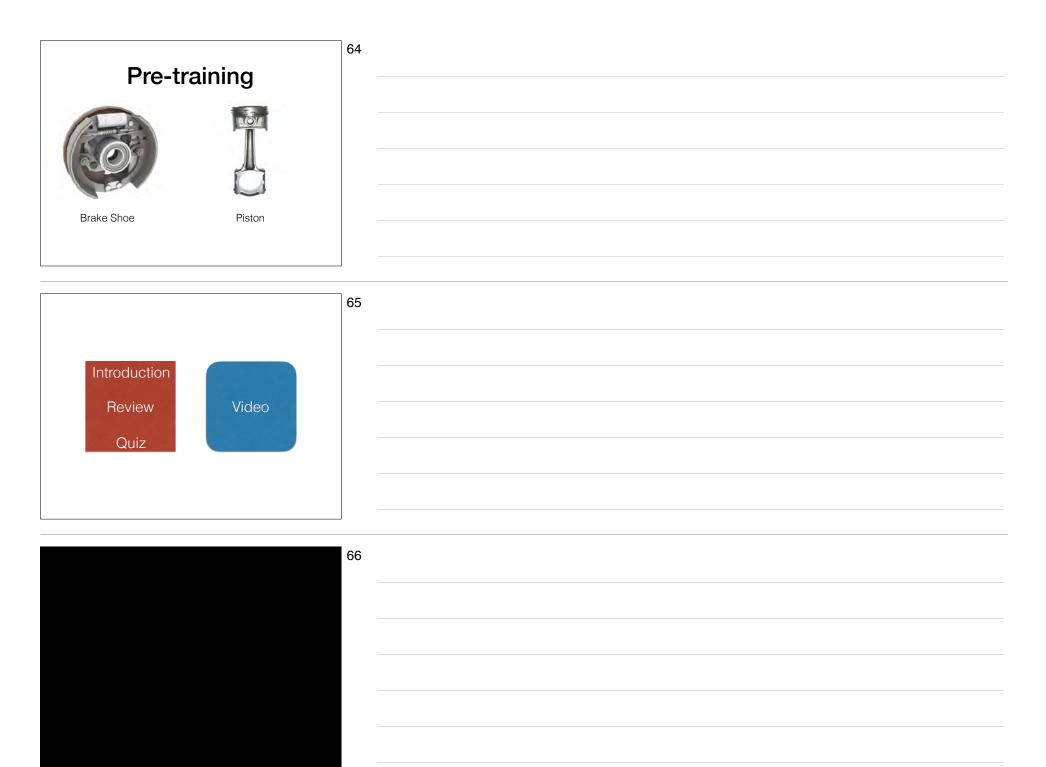
Students learn better with user-paced segments, than a long video



62 **Avoid Numbering**

7: Pre-training

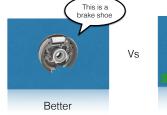
Students learn better from multimedia when they have learned the names & characteristics of the main concept already



Students learn better from graphics and narration than from animation and on-screen text

68

Modality

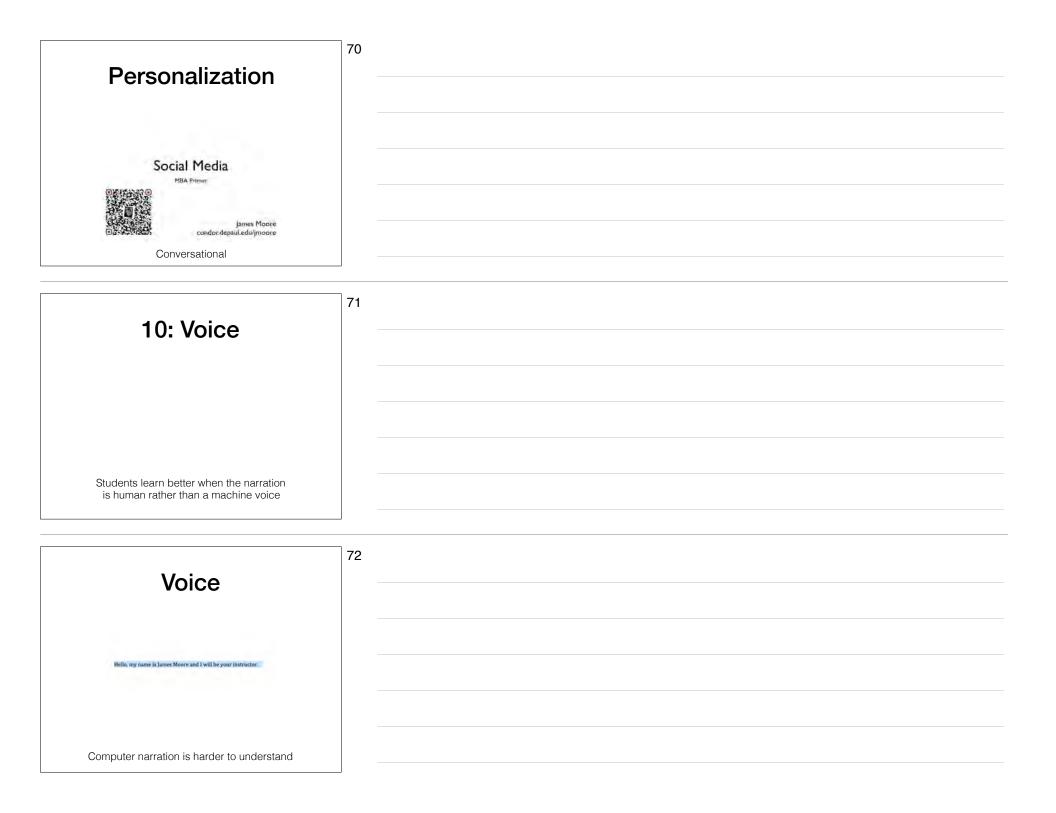




9: Personalization

69

Students learn better when the narration is conversational rather than formal



11: Embodiment

Students learn better when there is human gestures, eye contact and facial expressions

Eye Contact



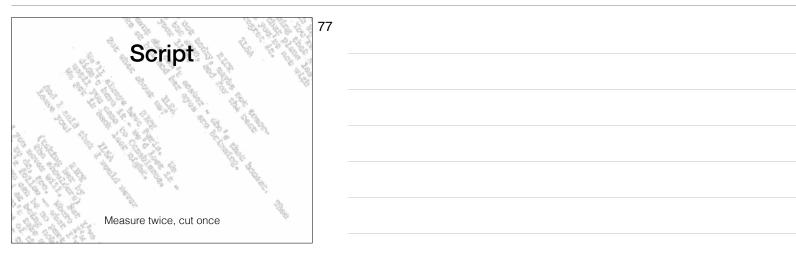
 $\label{eq:mike_mile_professor} \mbox{Mike Miller,} \mbox{Associate Professor and Associate Dean for Quality and Compliance}$

12: Image

Students do not necessarily learn better when the speaker's image is there

74







2: Recording

78	78	



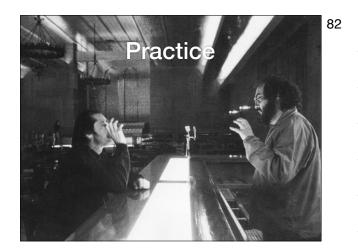
Not Always On Screen



Content

80

81 Be Yourself









Audio

86



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Landscape vs Portrait









3: Editing

Chopping



92

Metadata

Title

Date

Keywords

Creator

Review Date





4: Distribution

95

94

Environment



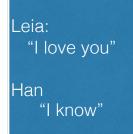








Transcript / Subtitles





YouTube



Multiple Formats

Download

- Takes time to save Mobile
- Sharable
- Avoid copyrighted content
- Downloadable can be better with slow Internet connection

Streamed

- Streaming Plays instantly Tethered
- Harder to copy
- Use for copyrighted content

98

Context





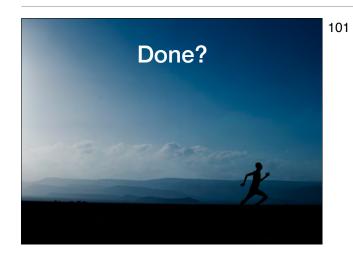






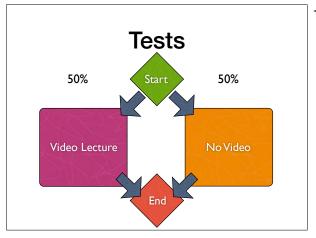






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References

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