

# **Green Screen on a Shoestring: Green Screen Video for e-Learning on a Budget**

Bucky Dodd and John Gillmore  
*University of Central Oklahoma*



# About Us



Bucky Dodd  
*Instructional Designer*



John Gillmore  
*Assistant Director*



UNIVERSITY OF CENTRAL OKLAHOMA  
**Center for Professional  
and Distance Education**  
A DEPARTMENT OF ACADEMIC AFFAIRS

# Agenda



**Process**



**Purchasing**



**Production**



**Integration**

# Example of Green Screen Video

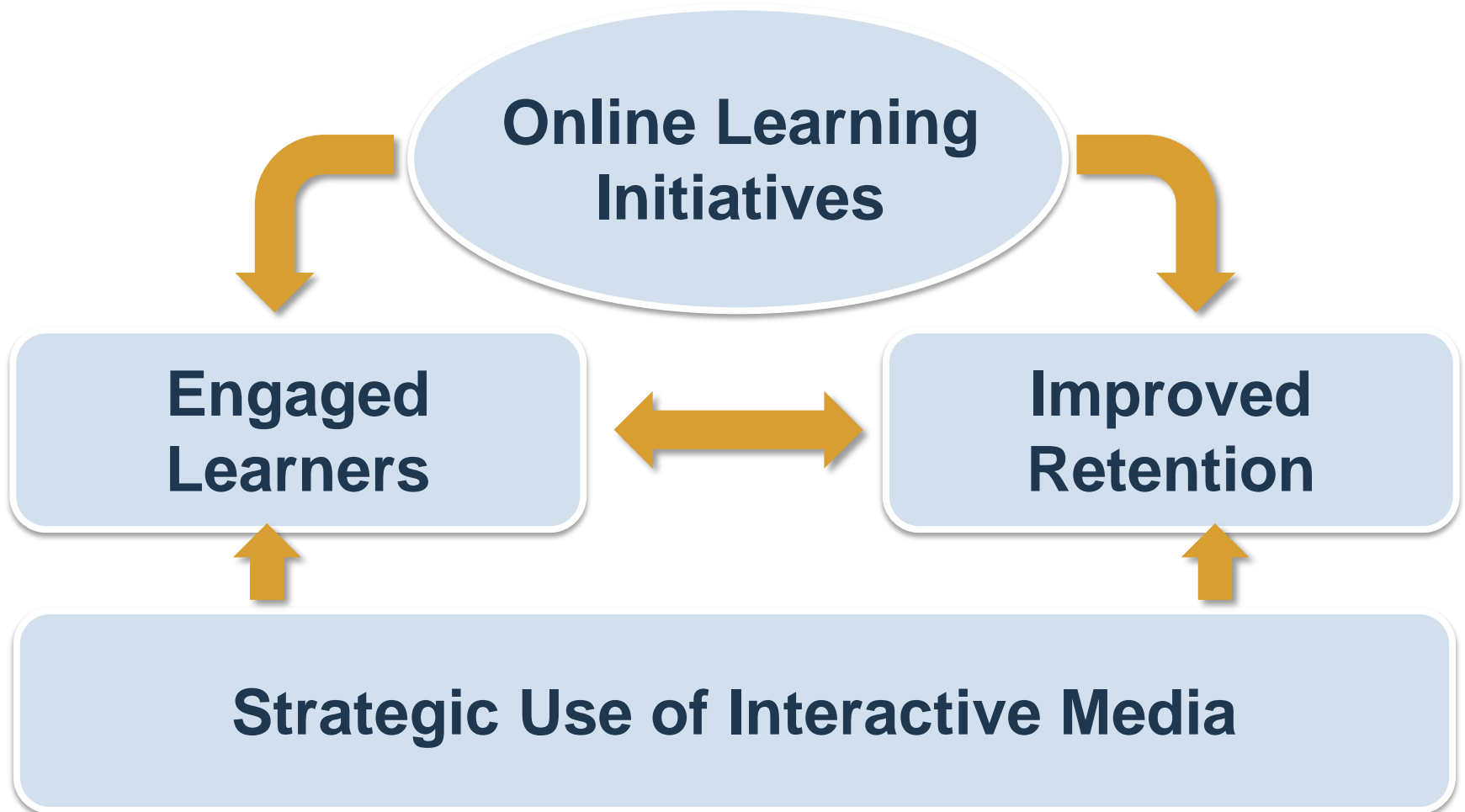
- Video recorded against a solid green or blue screen.
- When the video is produced, the green or blue is removed leaving a transparent background.

# You Tell Us!

- Poll 1

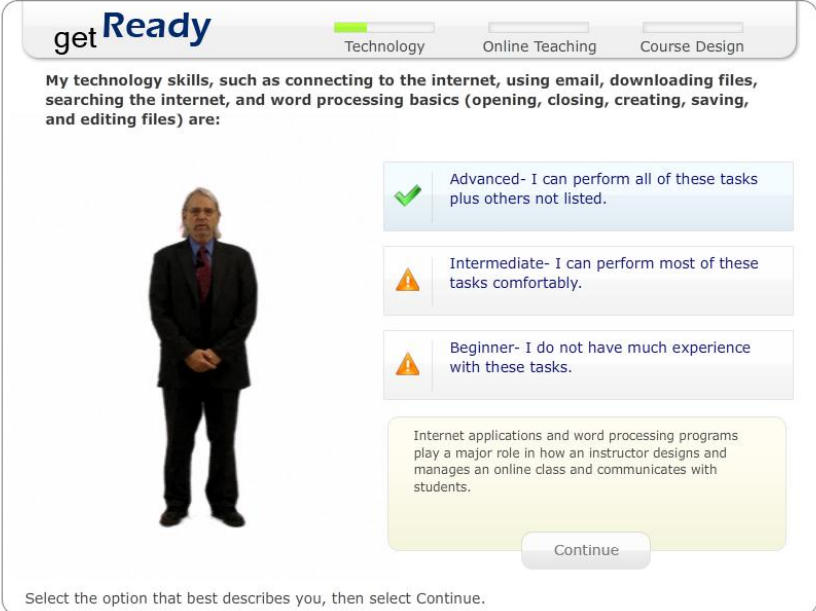


# Green Screen at UCO



# Instructional Uses

- Instructor “presence”
- Visually convey complex or interrelated concepts
- Augment course with “micro” lectures, overviews, or welcome messages



The screenshot shows a user interface for a 'get Ready' assessment. At the top, there are three progress bars: 'Technology' (filled with green), 'Online Teaching', and 'Course Design'. Below the bars, the text reads: 'My technology skills, such as connecting to the internet, using email, downloading files, searching the internet, and word processing basics (opening, closing, creating, saving, and editing files) are:'. To the left of the assessment options is a full-body image of a man in a suit. To the right are three radio button options: 'Advanced- I can perform all of these tasks plus others not listed.' (with a green checkmark icon), 'Intermediate- I can perform most of these tasks comfortably.' (with a yellow warning triangle icon), and 'Beginner- I do not have much experience with these tasks.' (with a yellow warning triangle icon). Below these options is a text box containing the text: 'Internet applications and word processing programs play a major role in how an instructor designs and manages an online class and communicates with students.' At the bottom right of the text box is a 'Continue' button. At the bottom of the entire interface, it says 'Select the option that best describes you, then select Continue.'

# Production Goals



- Support UConline Quality Initiatives



- Engage Students

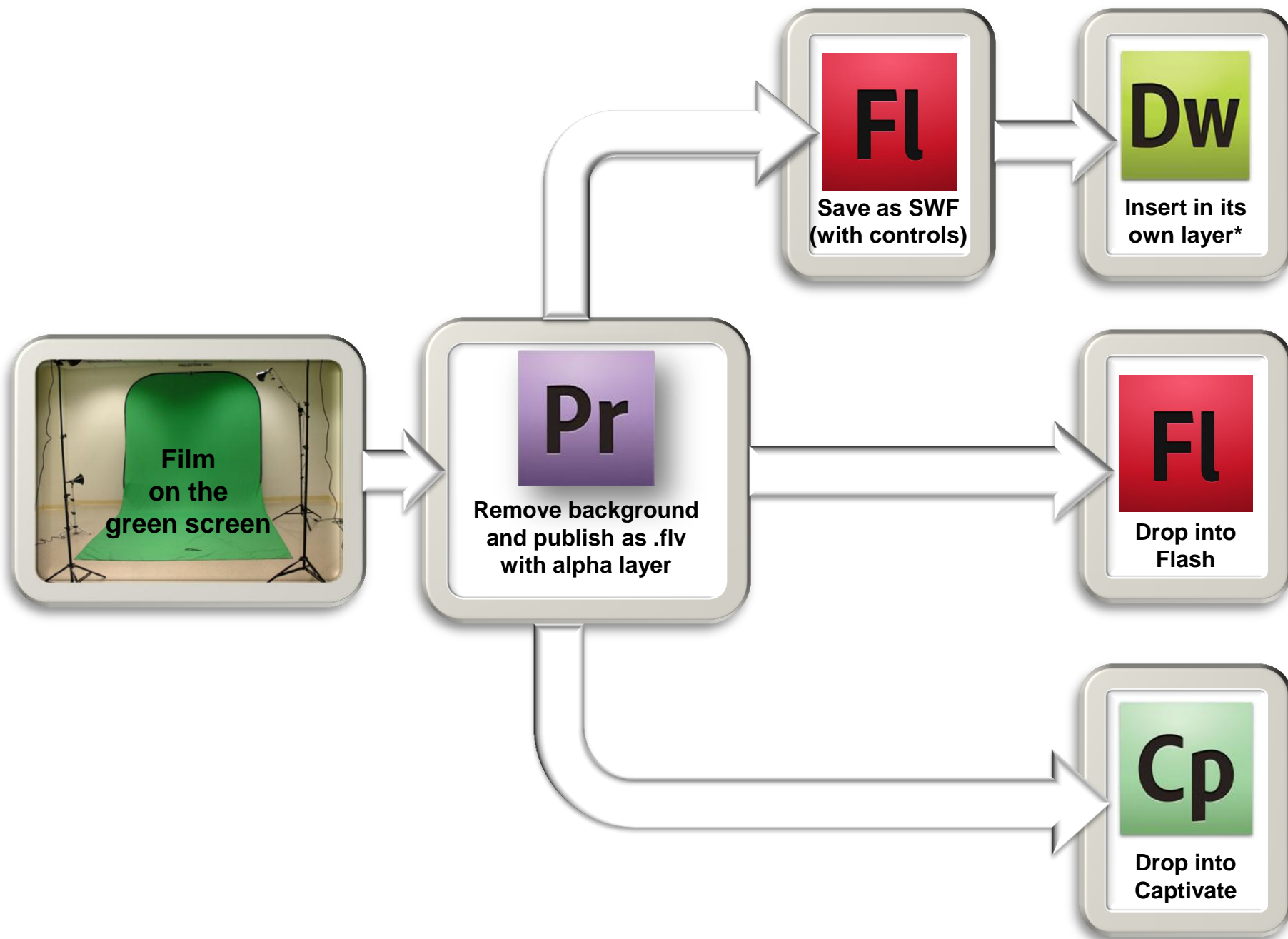


- Condense Production Timeline



- Reduce Cost of Production





\*remember to set window (or w) mode to transparent

# Agenda



**Process**



**Purchasing**



**Production**



**Integration**

# You Tell Us!

- Poll 2



PROJECTION WALL

**Botero  
Chroma Key Green  
Collapsible Background  
\$130**

**Smith-Victor 4 Photo Flood Lighting Kit  
\$460**

**Room Rental – \$70.00**



**Laptop Computer  
- \$800 approx**



**Cables - \$50 – \$80**

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**Premiere Pro C54 – Educational Price \$190  
or Regular Price \$800**

**Boris FX Chroma Key Software – \$300**



**SanDisk 16GB Video HD  
SDHC Memory Card (2) –  
\$67.50ea**

**Sanyo High Definition Camcorder –  
\$350**

Records video in both 1080p (30fps)  
and 1080i (60fps) high definition  
straight to SD/SDHC memory cards.





**Shure Lavalier Microphone System – \$299.00**





**Slik 700DX Pro Tripod – \$100**

**Sanyo High Definition Camcorder – \$349.95**

**Botero Chroma Key Green Background – \$129.95**

**Smith-Victor: 4 Photo Flood Lighting Kit – \$459.00**

**Shure Lavalier Microphone System – \$299.00**

**Premiere Pro CS5 – Educational Price \$190.00**

**Boris FX Chroma Key Software – \$299.00**

**SanDisk 16GB Video HD SDHC Memory Card – \$67.50**

**Slik 700DX Pro Tripod Legs – \$99.95**

**Room Rental – \$70.00**

**Cables - \$50.00 – \$80.00**

**Laptop Computer – \$800.00**

**TOTAL**

**TOTAL: \$2844.35**

**TOTAL (without laptop or CS): \$1854.35**

# Chat Discussion

- What equipment do you use to produce video content?
- What's your maximum budget for equipment?
- Type your response in the chat pod.

# Agenda



**Process**



**Purchasing**



**Production**



**Integration**

# You Tell Us!

- Poll 3



**Step 1**  
Develop Detailed Script

**Step 2**  
Set Up Studio  
Focus on Lighting

**Step 3**  
Test Camera Video and Audio  
Record video at 720p / 60fps

**Step 4**  
Import Video into Adobe Premiere CS  
Apply Chroma Key Filter(s)

**Step 5**  
Encode Video as an FLV  
Encode Alpha Layer



## Step 1

Develop Detailed Script



## Step 2

Set Up Studio  
Focus on Lighting



## Step 3

Test Camera Video and Audio  
Record video at 720p / 60fps



## Step 4

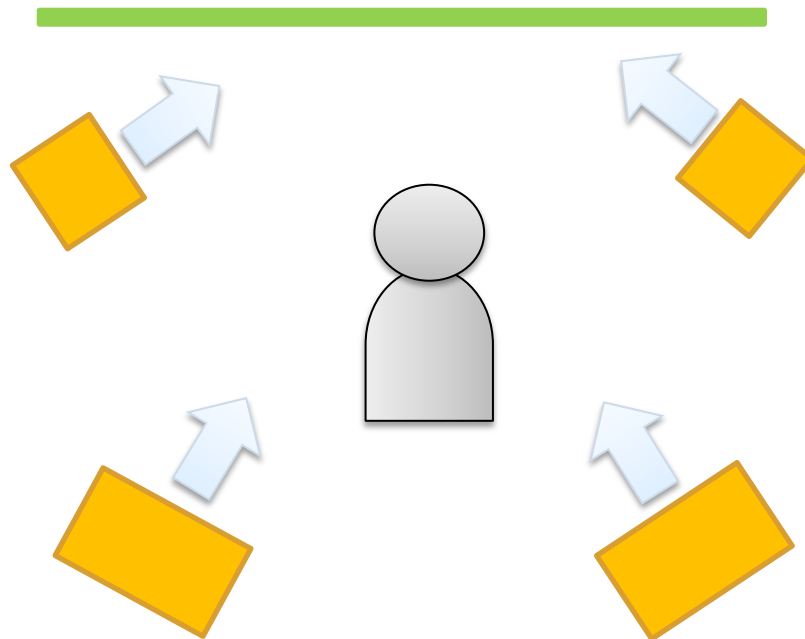
Import Video into Adobe Premiere CS  
Apply Chroma Key Filter(s)



## Step 5

Encode Video as an FLV  
Encode Alpha Layer







### Step 1

Develop Detailed Script



### Step 2

Set Up Studio  
Focus on Lighting



### Step 3

Test Camera Video and Audio  
Record video at 720p / 60fps



### Step 4

Import Video into Adobe Premiere CS  
Apply Chroma Key Filter(s)



### Step 5

Encode Video as an FLV  
Encode Alpha Layer



**Step 1**  
Develop Detailed Script



**Step 2**  
Set Up Studio  
Focus on Lighting



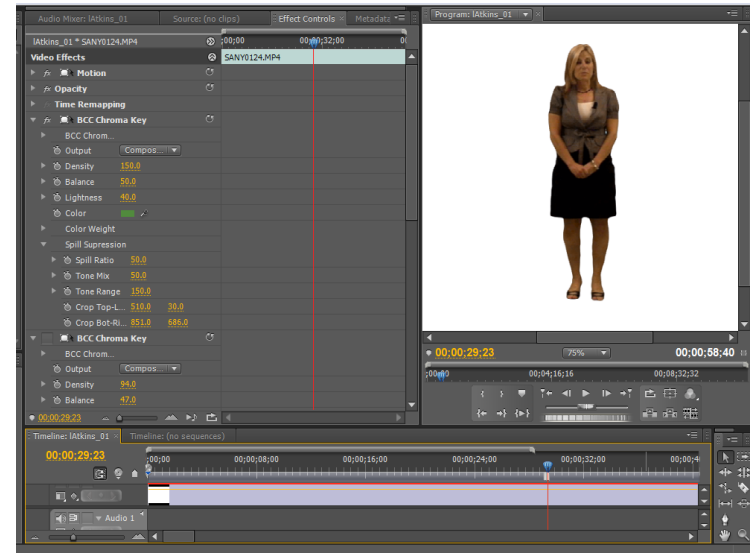
**Step 3**  
Test Camera Video and Audio  
Record video at 720p / 60fps



**Step 4**  
Import Video into Adobe Premiere CS  
Apply Chroma Key Filter(s)



**Step 5**  
Encode Video as an FLV  
Encode Alpha Layer



**Step 1**  
Develop Detailed Script

**Step 2**  
Set Up Studio  
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# Agenda



**Process**



**Purchasing**



**Production**

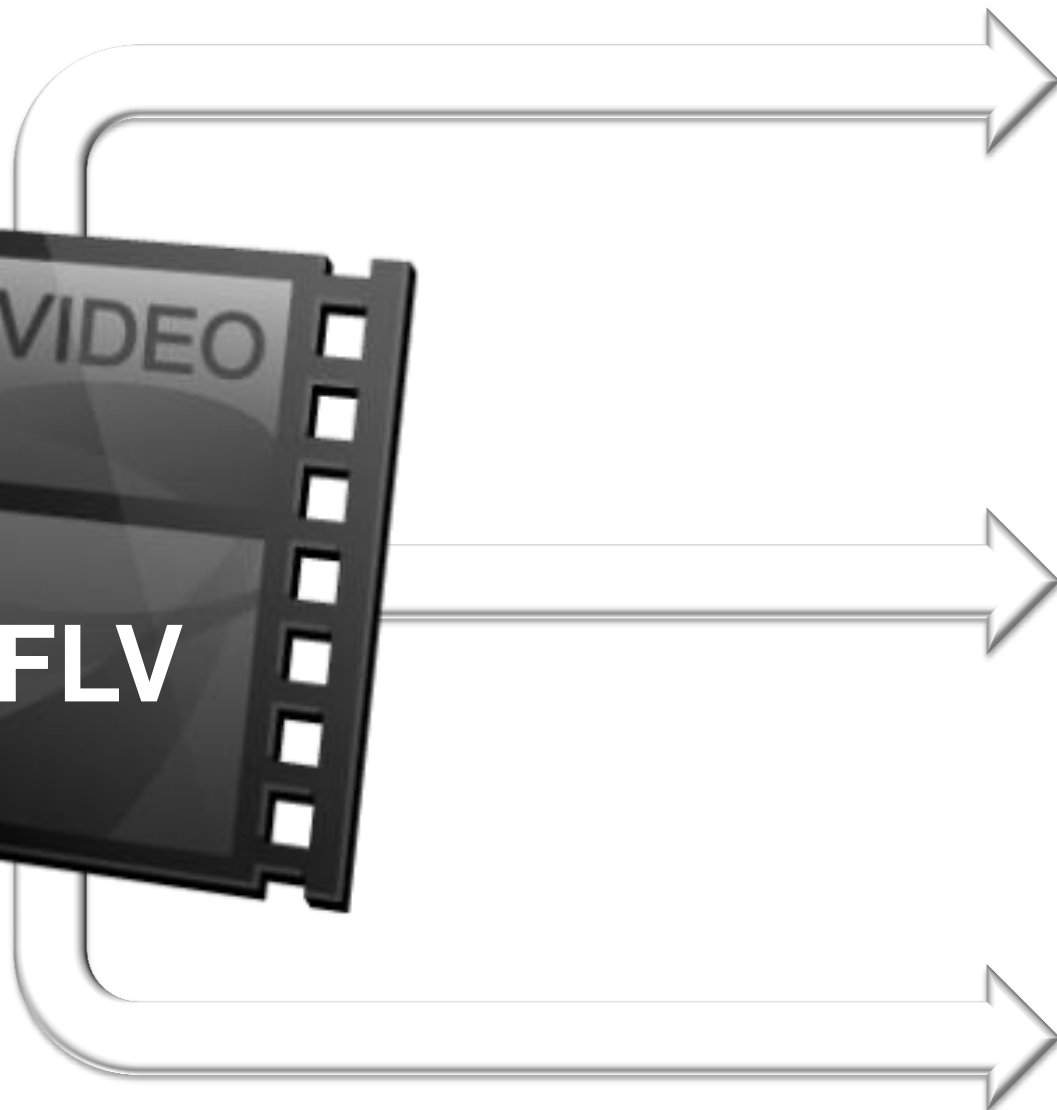


**Integration**

# You Tell Us!

- Poll 4





# Video Example - HTML

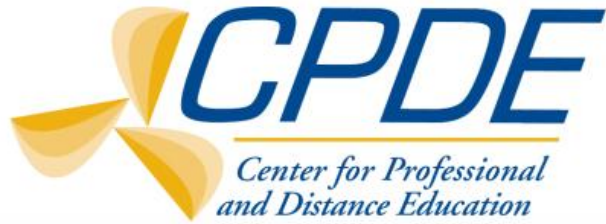


# Video Example - Flash



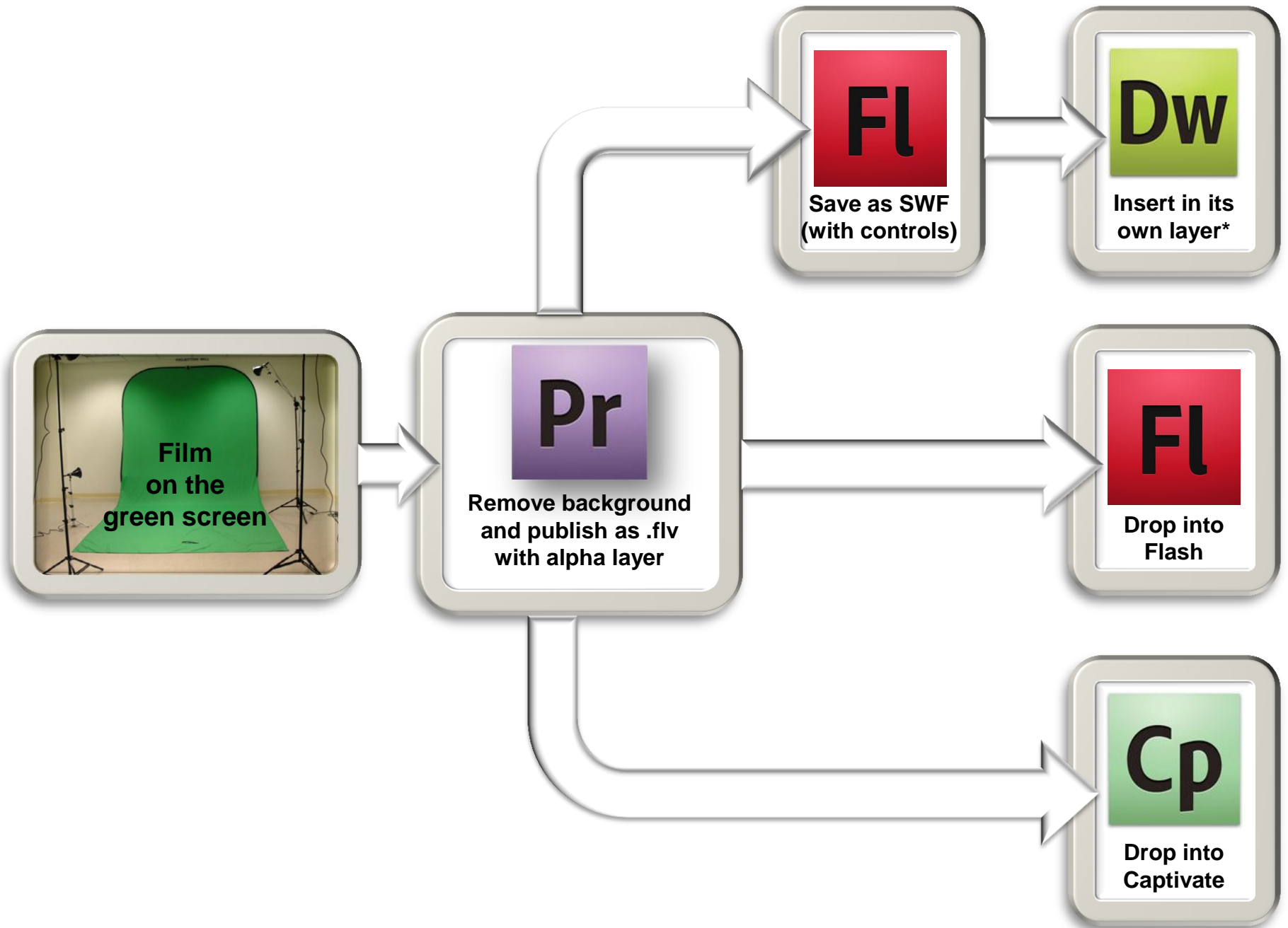


# Captivate



Green Screen and Captivate CS4





\*remember to set window (or w) mode to transparent

# Review



**Process**



**Purchasing**



**Production**



**Integration**

# Development Resources

- Community Wiki - <http://cpdeconnect.pbworks.com>
  - Job Aids and Workflows
  - Articles and Tutorials

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[bdodd1@uco.edu](mailto:bdodd1@uco.edu) | [jgillmore@uco.edu](mailto:jgillmore@uco.edu)

*University of Central Oklahoma*

