USING A GREEN SCREEN IN MIDDLE YEARS

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GOALS

- To give a basic idea of how to set up and use a green screen with video equipment
  - Provide some ideas for classroom use

HOW IT WORKS

- All of the green in the image or video is keyed out, it becomes transparent and is replaced with a different image or video.

- Very easy with video editing software such as I-Movie

- Lots of apps out there, but quality is an issue.

WHY USE A GREEN SCREEN

- Creativity
- Imagination
- Technology Integration
- Engagement
- Easy to use
- Visual Arts
- It's Fun

WHAT I DO

- Multimedia Class

- Usually students design a short film/video project. Sometimes I will suggest using a green screen for it, or they will ask.

- I sometimes will also do a green screen lesson so all of the students can learn to work with one

- Co-Teaching (Novel Studies, Documentaries)

- Student Examples

IDEAS

Weather Report

Short Film

Mapping

Movie Trailer

Novel Studies

Game Show

Documentary

Advertisements

Art

Photography

Sports Show

EQUIPMENT NEEDED

- Green Screen Kit, background, or Wall

- Camera

- Tripod

- Computer with editing software (or an app)

- Lighting (Optional)

I-MOVIE

- Lots of different programs and apps available
- I-Movie is free with Apple Computers
- Easy to use

- For more advanced use there are a number of programs such as Final Cut, Adobe Premiere, After Effects, etc

- Some tablet and phone apps are very limiting

STEPS FOR A POSSIBLE PROJECT

1. PREP

Get your idea:

Example: A brief documentary explanation of the characteristics of Mars

Write your script

Prepare a storyboard

2. SET UP YOUR EQUIPMENT

- Wear appropriate clothing

- Prepare your green screen

- Set up your camera and tripod

- Check your lighting and white balance

3. SHOOT YOUR VIDEO

- Rehearse
- Shoot extra footage before and after
- End the clip with a moment where the subject is out of the frame
- Shoot a few takes

- iMovie Tips http://support.apple.com/kb/ph2245

SCRIPT

HOST

Welcome to Mars, as we see below the red colour of Mars is due to the iron rich minerals in the loose dust and rocks covering its surface . Mars also has some of the highest mountains, for example Olympus Mons is approximately 27 kilometers high.   Olympus Mons is also about six hundred kilometers in diameter and could cover the entire state of New Mexico

(Source: Space.com)

4. CAPTURING

1. Capture your footage into the computer. This method can vary depending on the type of equipment you are using.

2. Connect the camera

3. Put it into playback mode

4. Open iMovie, create a new project

5. Go to File---Import from Camera, then import your clips

5. EDITING

1. Find a background that you would like to use
2. Enable advance options in I-Movie. Go to iMovie Preferences, show advanced tools
3. Place your image in your iMovie project
4. Drag your green screen clip over top
5. Trim, adjust, and edit

iMovie 2013 http://support.apple.com/kb/PH14724

iMovie 2011 http://support.apple.com/kb/ph2245

SHARE YOUR MOVIE

Go to share, select export to Quicktime or whatever format you want.

AFI/BESTBUY Handbook
http://www.unitedstreaming.com/videos/42845/D2B15956-1279-3B00-CD01B9EA8FD93498.pdf

iMovie Basics http://support.apple.com/kb/ht2479

iMovie Green Screen Use http://support.apple.com/kb/ph2245

Storyboarding the Simpsons Way
http://courses.cs.washington.edu/courses/cse456/14su/resources/strybrd_the_simpsonsway.pdf

Alternatives to iMovie: Adobe Premier, After Effects, Final Cut, Sony Vegas