Stop-Motion Animation
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Missouri Art Education Association
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Spring Conference
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Spring Conference 2014
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2014
Amy Potts
disclaimer

There is a school of thought that says that I should not read off the slides and the slides should not be there for the audience to read,
disclaimer

• There is a school of thought that says that I should not read off the slides and the slides should not be there for the audience to read, **BUT**
• I have everything written on the slides because
I have everything written on the slides because

– Often people talk during these presentations and you can not hear everything and
I have everything written on the slides because

- Often people talk during these presentations and you can not hear everything and

- This slide show is going to be in with the lesson plans so you can access this info after the conference.
Stop-Motion Animation Is also called
Also called

• Stop-frame
Also called

• Stop-frame

• Clay-mation – when using clay
Also called

- Stop-frame
- Clay-mation – when using clay
- Object animation – objects are used
Also called

• Stop-frame
• Clay-mation – when using clay
• Object animation – objects are used

• Similar to Time Lapse photography
• Objects seem to move by magic!
• Objects seem to move by magic!

• Example: Welcome! by one of my students!! 😊
Drawing

• One drawing implement and a piece of paper is all that is needed
Drawing

• One drawing implement and a piece of paper is all that is needed

• Here is an early video from around 1885
Stop-motion Animation

- An animation technique to make a physically manipulated object appear to move on its own.
• An object is moved in **SMALL** increments and photographed
• This creates the illusion of movement when played as a continuous sequence
• An object is moved in SMALL increments and photographed.
• This creates the illusion of movement when played as a continuous sequence.
• An object is moved in SMALL increments and photographed
• This creates the illusion of movement when played as a continuous sequence
example
example
example
example
example
Storyboard
Storyboard

• Worksheet for ideas
Storyboard

- Worksheet for ideas
- Small drawings to show movements
Storyboard

• Worksheet for ideas
• Small drawings to show movements
• A plan for what is going to happen in your video
• A "storyboard" is a visual representation of a story.
Frames per second
Frames per second

- How many pictures you see in one second
Framed per second

- How many pictures you see in one second

- The more pictures = the smoother the video
Frames per second

• How many pictures you see in one second
• The more pictures = the smoother the video
• Fewer pictures per second = rougher video
Background
Background

• Keep background simple and uncluttered
Background

• Keep background simple and uncluttered

• If creating the background, keep it the same or moving gently
Background

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• If creating the background, keep it the same or moving gently
• A busy background will distract the eye
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• A flat piece of artwork that is the setting for a moving character in an animated film.
Background

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• If creating the background, keep it the same or moving gently
• A busy background will distract the eye
• A flat piece of artwork that is the setting for a moving character in an animated film.

• A background could be a picture of a forest, a sky, a room, or a castle.
Progression

1. Two paper animation
2. Zoetrope
3. Stop-motion
#1 Two Paper Animation
#1 Two Paper Animation
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#1 Two Paper Animation
#1 Two Paper Animation
#2 Zoetrope
Stop-Motion Apps
Stop-Motion Apps
Stop-Motion Apps
Stop-Motion Apps
Tripod
Tripod Adapter

• Enables the animator to keep the I-Pad still, in the same place
adapter

- Separate from tripod
- Tripod – same type as used with camera photography
This adapter fits snugly around the I-Pad
This device is adjustable and it is easier to remove the I-Pad.
This device is adjustable and it is easier to remove the I-Pad.

I googled I-Pad music stand to find it.
App I am using:

• Stop Motion by Cateater LLC
App I am using:

• Stop Motion by Cateater LLC
• Stop Motion by Cateater LLC
  – Has example films
Apps to use

• Stop Motion by Cateater LLC
  – Has example films
    • Touch the circle with the star in it
Apps to use

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With this app you can share the video

- E-mail it
Share Video

- E-mail it
- Youtube
Share Video

• E-mail it
• Youtube
• Dropbox
Share Video

- E-mail it
- Youtube
- Dropbox
- iCloud
Share Video

- E-mail it
- Youtube
- Dropbox
- iCloud
- iTunes
Share Video

- E-mail it
- Youtube
- Dropbox
- iCloud
- iTunes

- Save to Camera Roll
Share Video

• E-mail it
• Youtube
• Dropbox
• iCloud
• iTunes

• Save to Camera Roll
• Duplicate
Share Video

- E-mail it
- Youtube
- Dropbox
- iCloud
- iTunes

- Save to Camera Roll
- Duplicate
- Open in?
Tips for multi-day video work
Tips for multi-day video work

If you can not leave everything in place
Tips for multi-day video work

If you cannot leave everything in place

✔ Mark where your set should be
Tips for multi-day video work

If you can not leave everything in place

- Mark where your set should be
- Mark the tripod feet
Tips for multi-day video work

If you cannot leave everything in place

✓ Mark where your set should be
✓ Mark the tripod feet
✓ Mark anything that you move (lamp)
Tips for multi-day video work

If you cannot leave everything in place
✓ Mark where your set should be
✓ Mark the tripod feet
✓ Mark anything that you move
✓ Use the slider tool on the right side of screen to match up the scene
TRY IT!!
TRY IT!!

• Get a partner  (one person or tripod holds the camera)
TRY IT!!

• Get a partner (one person or tripod holds the camera)

• Get a Stop-Motion app
  – Stop-Motion Studio by Cateater, free
  – Stop-Motion Pro by Cateater, $4.99
TRY IT!!

• Get a partner (one person or tripod holds the camera)
• Get a Stop-Motion app
• Get an idea (storyboard)
TRY IT!!

• Get a partner (one person or tripod holds the camera)
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• Get an idea (storyboard)
• Get your props
TRY IT!!

• Get a partner (one person or tripod holds the camera)
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• Get an idea (storyboard)
• Get your props
• Get Going!!
TRY IT!!

• Get a partner (one person or tripod holds the camera)
• Get a Stop-Motion app
• Get an idea (storyboard)
• Get your props
  – Pen and paper
  – Notecards
• Get Going!!
• The following slides are for use in the classroom.
  – Vocabulary
  – Grade Guide
Animation Vocabulary

1. Animation - A filmmaking technique where the illusion of motion is created frame-by-frame. The word comes from the Latin word, "anima," meaning "life" or "soul"
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7. **Squash and Stretch** - A drawing technique used by animators and originally developed at the Disney Studio to show exaggerated movements in characters. For example, if you wanted a character to jump, you would draw him close to the ground as if 'squashed' and then you would 'stretch' him out as he went into the air.
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8. **Storyboard** - A "storyboard" is a visual representation of a story. Pictures can be sketched on pieces of paper and pinned to a large board, or they can be drawn on a large piece of paper, comic-book style, to represent scenes in a film. A story sketch should show character, attitude, feelings, entertainment, expressions, type of action, as well as telling the story of what's happening. When you look at a board, it should reflect the feeling of the sequence so the viewer starts to pick up some excitement and stimulation. A story sketch artist at an animation studio is usually an artist who has special interest in illustration, design, appearance, and character.
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11. Extremes - Drawings that are at the beginning and end of a particular pose.
Stop-Motion Animation

Grade Guide  100 points

Craftsmanship: modeling clay work smooth, controlled
at least 5 movements
small changes to create motion
Background (simple) .................................................____ /40

Composition and Creativity: storyboard – movements with changes (in-betweens)................____ /30

Completion: video complete (30 seconds) and shown on screen music?  Titles?  Credits?  ____ /10

Miscellaneous: Grade guide turned in, project graded, points added up.........................____ /10

Self-Evaluation: In full, completed sentences write your thoughts about your project. Who?  Who helped you?
What?  What would you do differently?  What did you learn?  When?  How?  How did your idea work? Does this show anything about yourself?  Why?  Why did you choose your subject?  These questions are just thought starter questions. Really, write your artist thoughts. Considering how hard you worked and what you learned and if you could teach this to someone else, what grade would you give this project?

letter grade = ________________________________ total points = ________

Expecting Excellence