

Stop-Motion Animation

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Missouri Art Education Association

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**Missouri Art Education Association
Spring Conference**

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2014**

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Amy Potts

disclaimer

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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**

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

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- 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

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- 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

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example



example



example



example



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**

Storyboard

- A "storyboard" is a visual representation of a story.

Frames per second

Frames per second

- How many pictures you see in one second

Frames 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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- **A busy background will distract the eye**

Background

- Keep background simple and uncluttered
- 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.**

Background

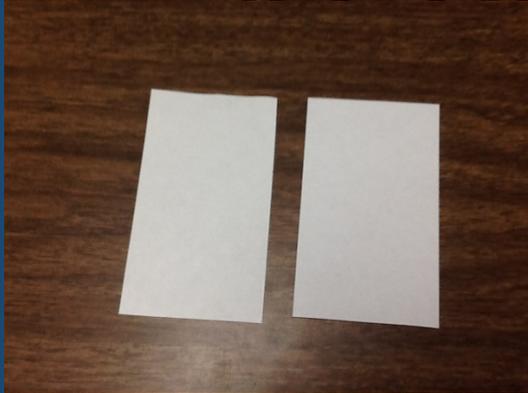
- Keep background simple and uncluttered
- If creating the background, keep it the same or moving gently
- A busy background will distract the eye
- A flat piece of artwork that is the setting for a moving character in an animated film.
- **A background could be a picture of a forest, a sky, a room, or a castle.**

Progression

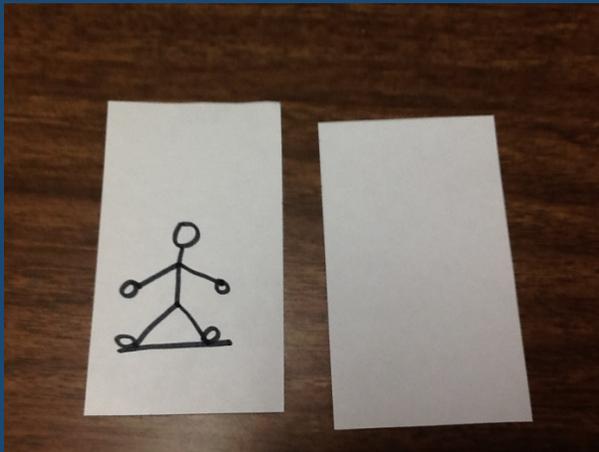
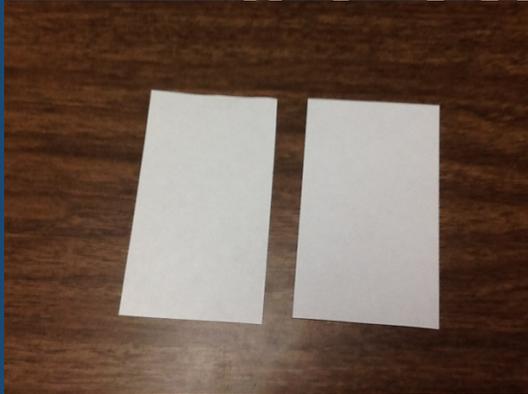
1. Two paper animation
2. Zoetrope
3. Stop-motion

#1 Two Paper Animation

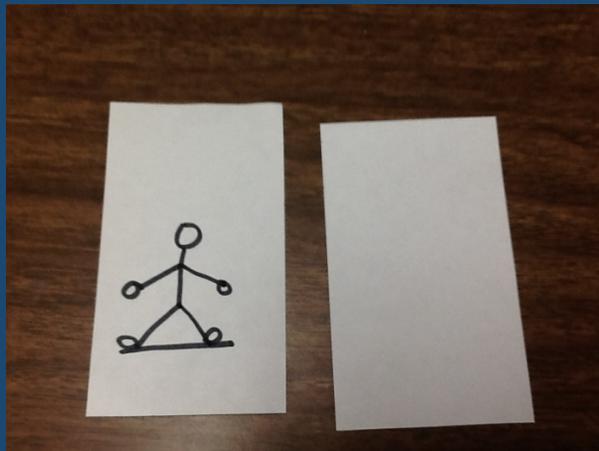
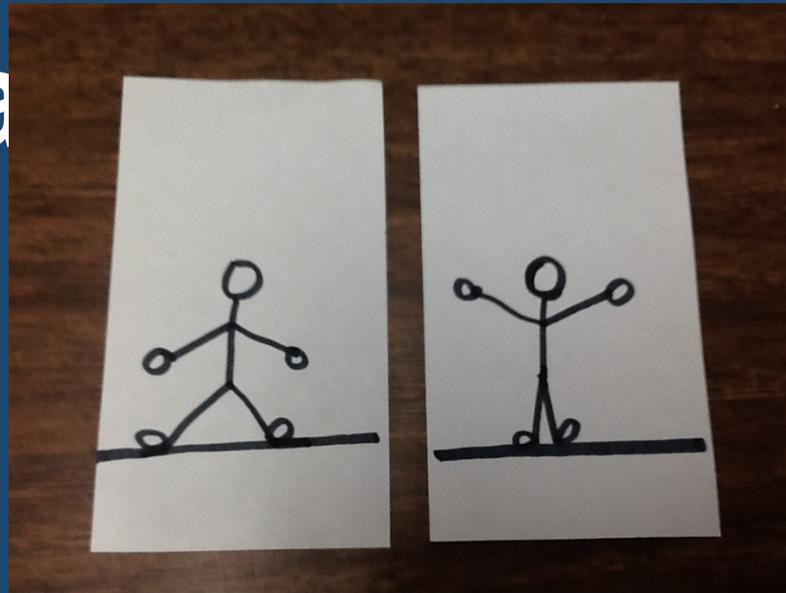
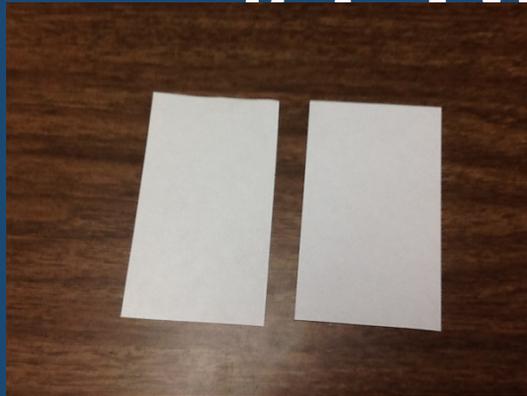
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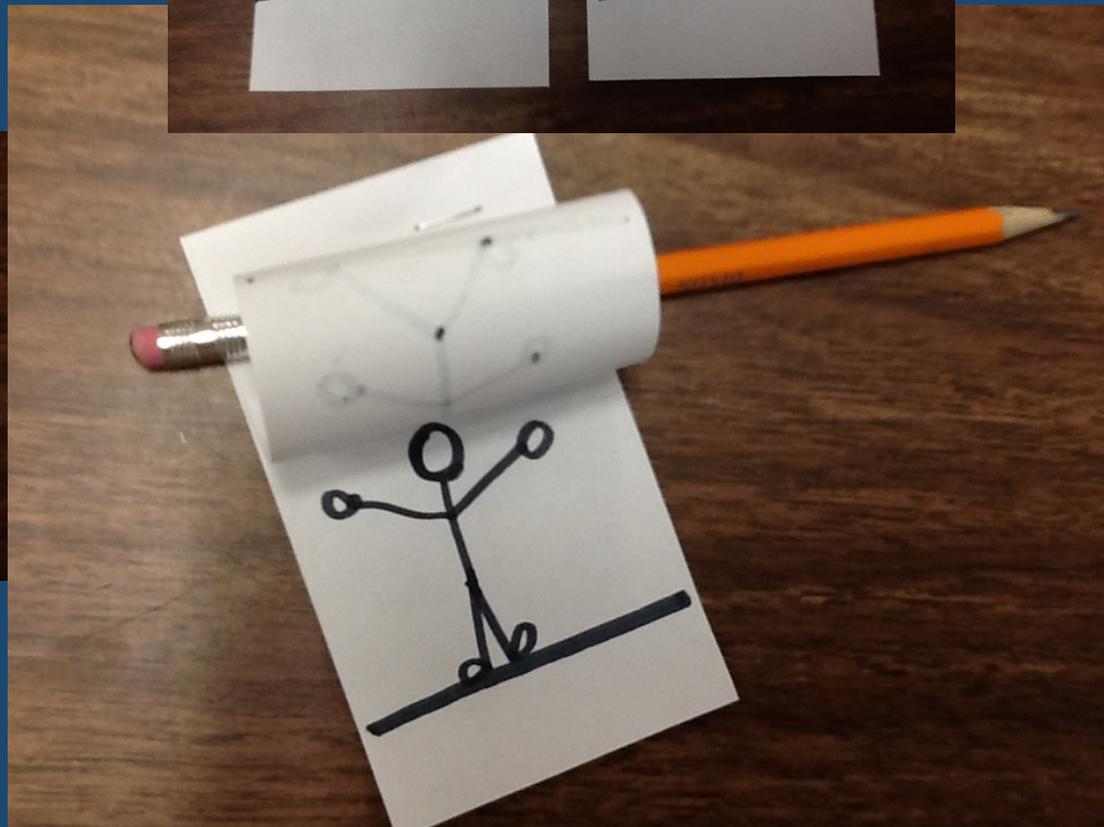
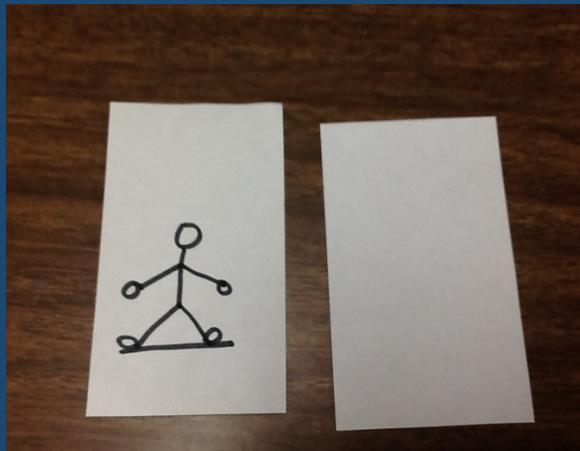
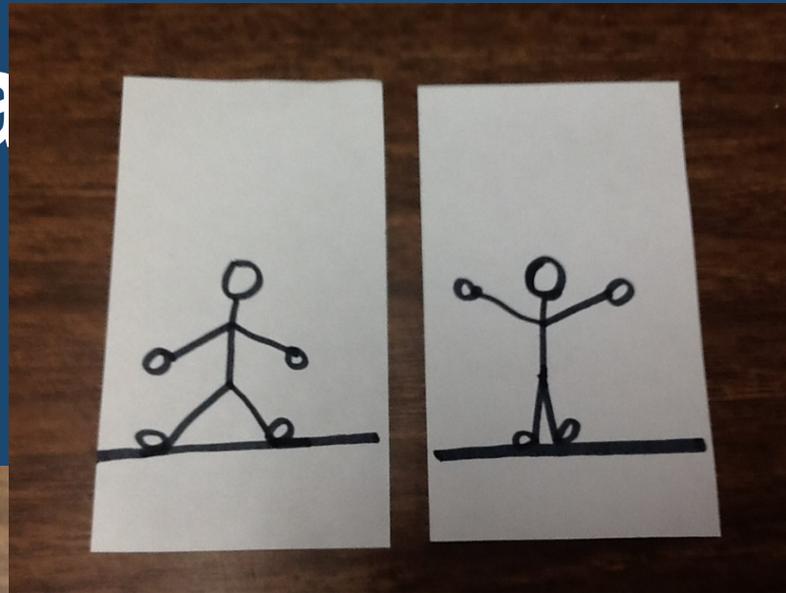
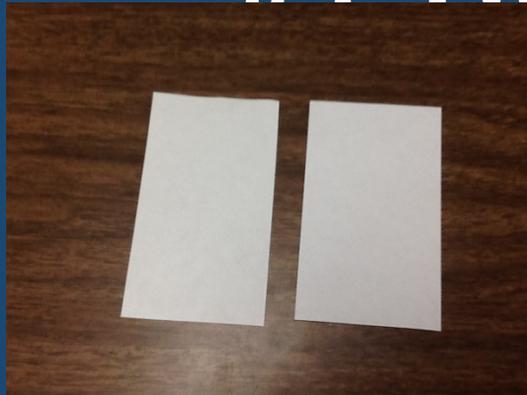
#1 Two Paper Animation



#1 Two Pa



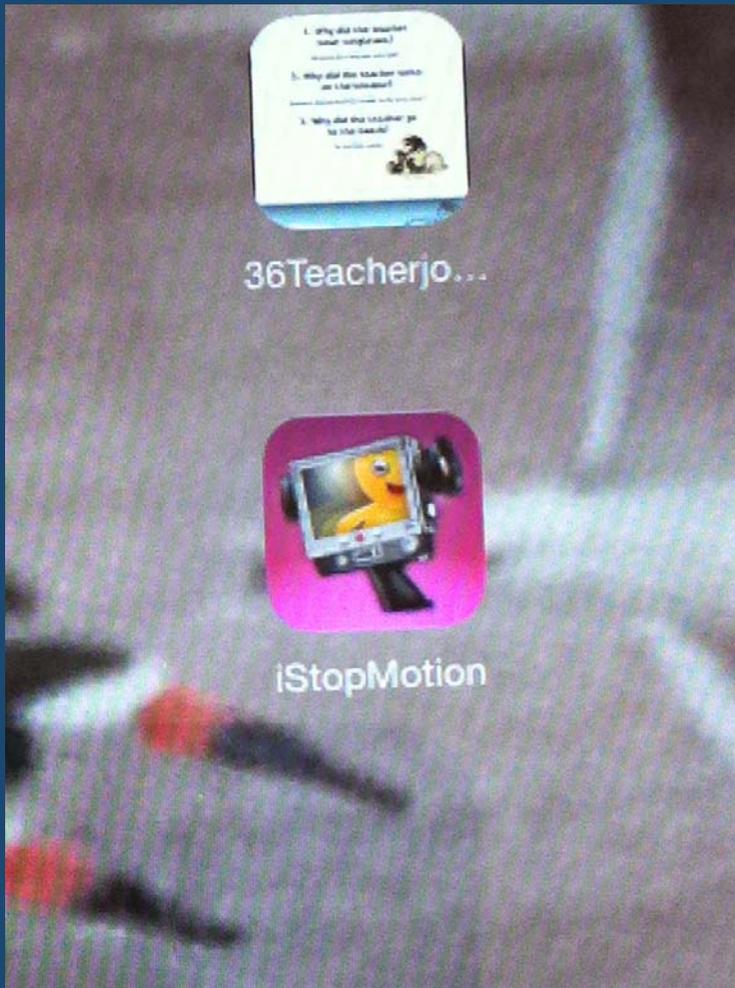
#1 Two Pa



#2 Zoetrope

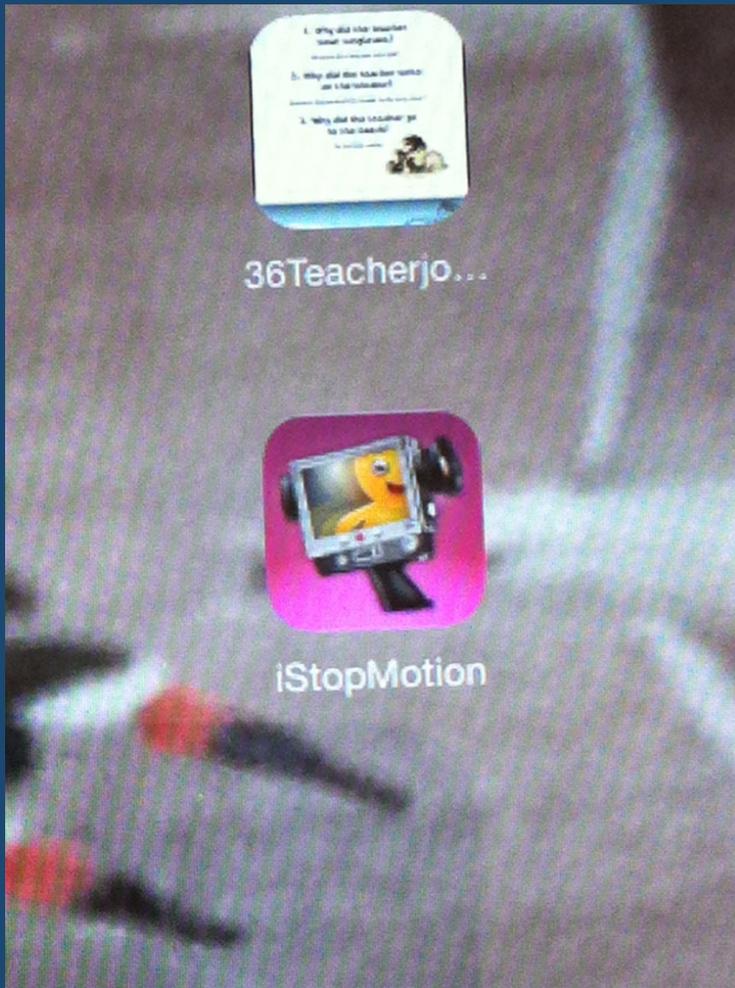


Stop-Motion Apps



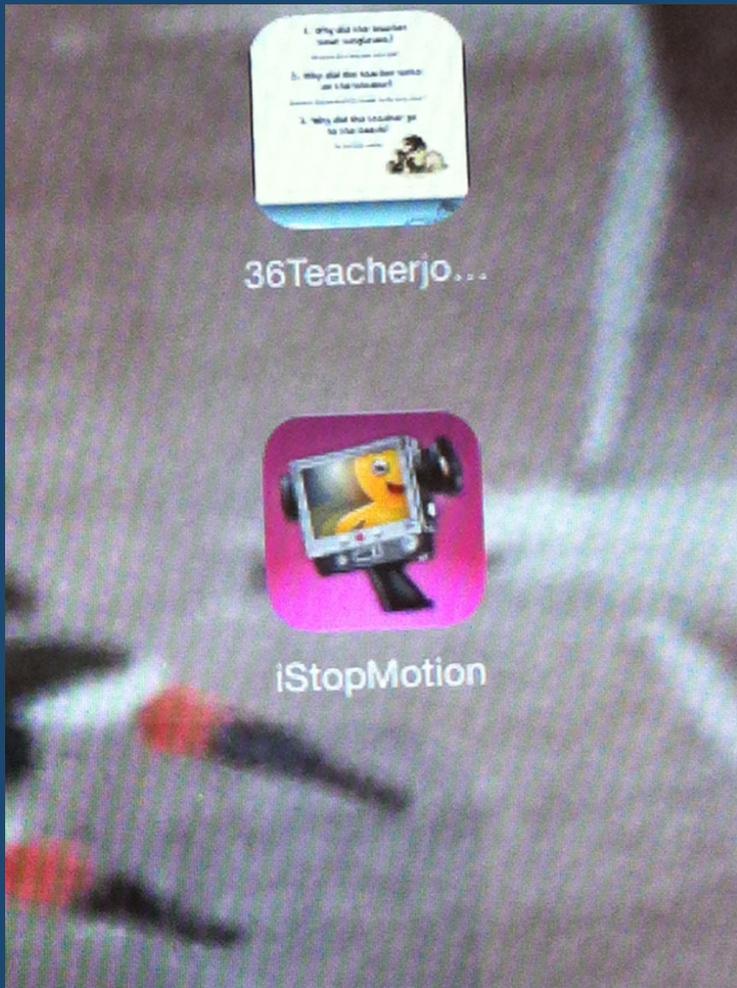
Stop-Motion Apps

7



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

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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
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- Save to Camera Roll

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- Save to Camera Roll
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- Save to
Camera Roll
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- Open in?

Tips for multi-day video work

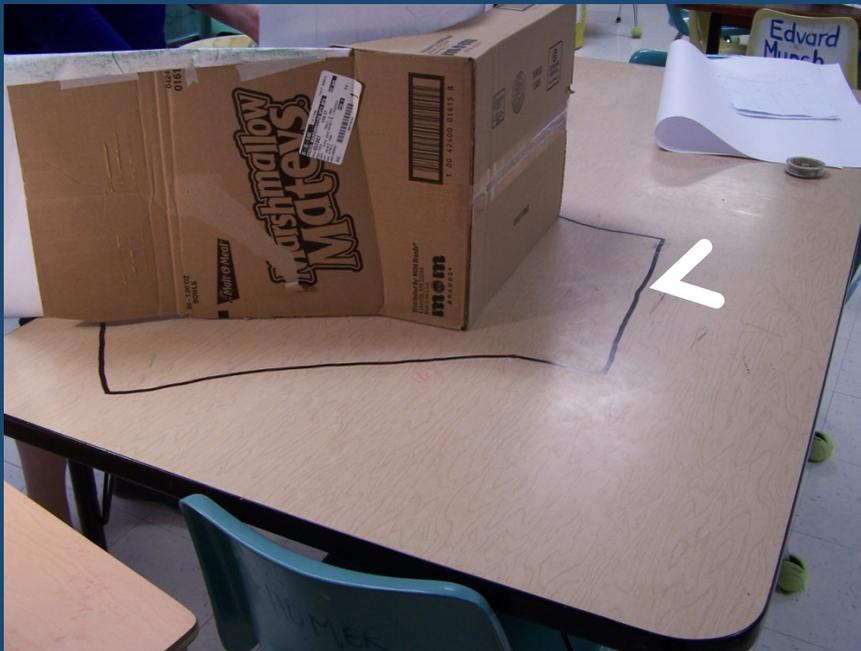
Tips for multi-day video work

If you can not leave everything in place

Tips for multi-day video work

If you can not 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**

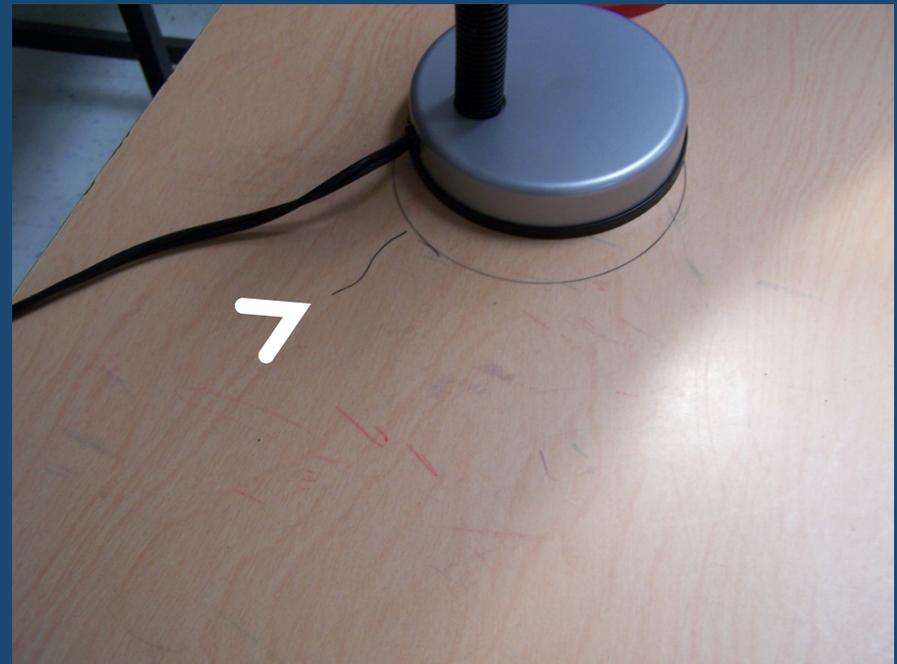


Tips for multi-day video work

If you can not 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 can not 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)**

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- **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
 - markers
 - ????????
- **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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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

Name _____

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