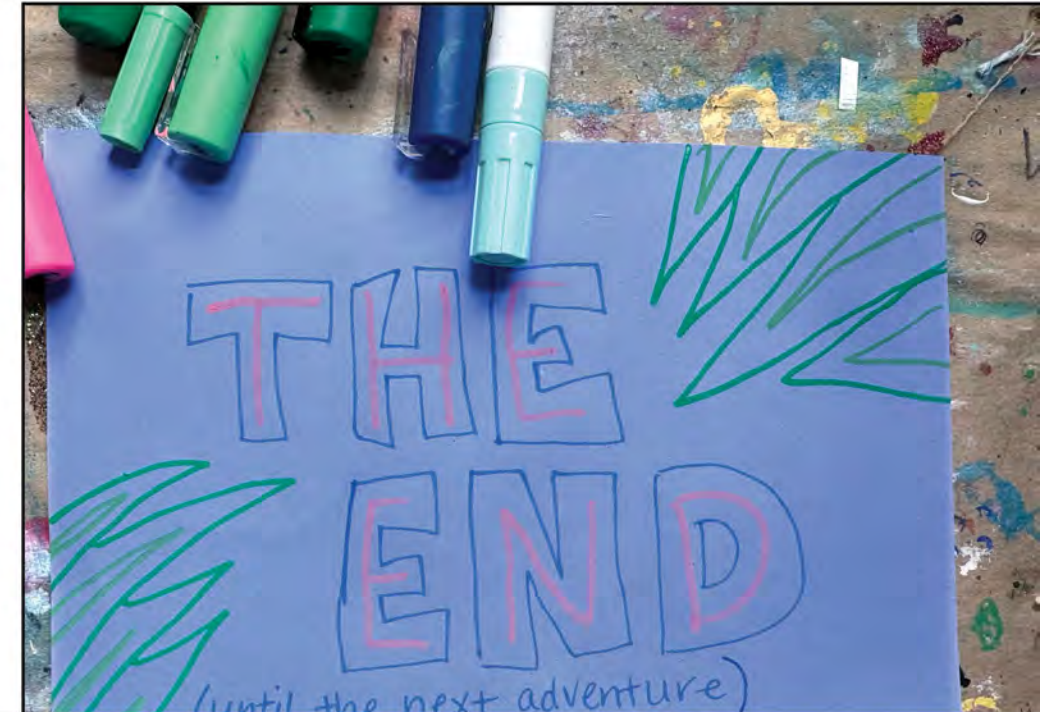


ART ELEMENTARY

STOP MOTION ANIMATION PROJECT



TITLE & END MOVIE MAKING

Follow the instructions below to complete title and end frame designs...

SUPPLIES:
You will need a pencil, white paper or construction paper, crayons, colored pencils, or markers

TITLE + EDITS

ACTIVITY:
Design a title for the beginning and end of your movie. Check out what you should include in the examples below.

STOP MOTION ANIMATION USING STOP MOTION STUDIO

STEP ONE:

- On a smartphone, iPad, or similar, download the Stop Motion Studio app from the App Store.
- Open the app.
- Click the + symbol to create a new movie.

STEP TWO:

- Select "Allow" from the pop up requesting access to your camera.



MAGIC MOVING OBJECTS
LESSON PLAN, PROJECT GUIDE, & MORE

INTRO TO STOP MOTION



This lesson pack is geared towards elementary students designed with 3rd grade and older in mind.



Perfect introduction to animation using small groups to create magic moving object movies.



Teacher notes and detailed lesson plan to help you guide the project. No experience is needed!



1 project, 2 activities, 3 early finisher activities

WHAT YOU GET

This Project Pack Includes:

- ✓ Lesson Plan, Notes (13 pages)
- ✓ Quick Reference (3 pages)
- ✓ Project Guide (4 pages)
- ✓ 5 Activity Guides (10 pages)
- ✓ 3 Presentations (32 slides)
- ✓ Checklist, Rubric (2 pages)

MAGIC MOVING OBJECTS

Exploring Stop Motion

Age group: 3rd grade and older

Artist Exemplar: Willis O'Brien, stop motion animator

Big Idea: Exploring stop motion

Essential Questions:

- What is stop motion?
- How is a video a form of art?
- How can you make object appear to move on their own?

Objectives: Students will...

- Learn about filmmaker, Willis O'Brien.
- Learn about how stop motion animation is created.
- Work on a stop motion movie as small groups.
- Work on a title frame and end frame design fast finisher activity.
- Clean up after themselves and care for supplies.

USA National Core Art Standards:

VISUAL ARTS:

PK Grade

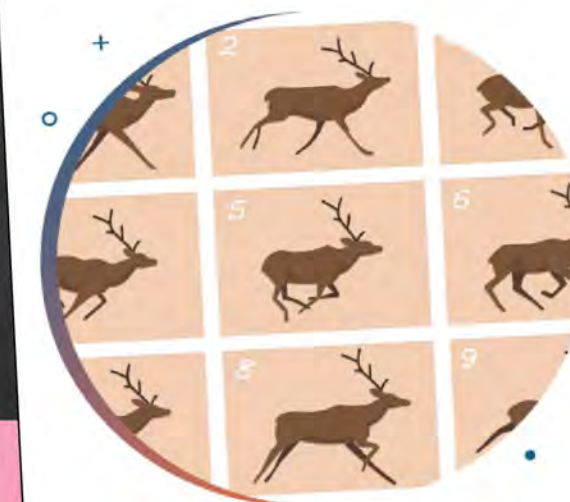
- VA:Cr1.1.PK, VA:Cr1.1.PK.a - Engage in self-directed play with materials.
- VA:Cr1.2.PK, VA:Cr1.2.PK.a - Engage in self-directed, creative making.
- VA:Re.7.1.PK, VA:Re.7.1.PK.a - Recognize art in one's environment.

Kindergarten:

- VA:Cr1.1.K, Engage in exploration and imaginative play with materials.
- VA:Cr1.2.K, VA:Cr1.2.K.a - Engage collaboratively in creative art-making in response to an artistic problem.
- VA:Cr2.3.K, Create art that represents natural and constructed environments.
- VA:Re.7.1.K, VA:Re.7.1.K.a - Identify uses of art within one's personal environment.

Grade 1:

- VA:Cr1.1.1, VA:Cr1.1.1.a - Engage collaboratively in exploration and imaginative play with materials.
- VA:Cr1.2.1, VA:Cr1.2.1.a - Use observation and investigation in preparation for making a work of art.
- VA:Cr2.2.1, Demonstrate safe and proper procedures for using materials, tools, and equipment while making art.
- VA:Cr3.1.1, Use art vocabulary to describe choices while creating art.



Stop Motion Animation

- Stop motion animation is making things appear to move by taking a picture, moving the object slightly, taking another picture, and repeating.
- When the pictures are put together they create a moving image.
- Animation means something appears to be animated, or moving, even though it isn't actually moving.

LESSON PLAN & TEACHER NOTES:

- BIG IDEA
 - ESSENTIAL QUESTIONS,
 - US NATIONAL STANDARDS
 - STEP-BY-STEP INSTRUCTIONS
 - CLASSROOM SET UP
 - TEACHING TIPS
- & MORE!

MAGIC MOVING OBJECTS

Exploring Stop Motion

Age group: 3rd grade and older

Artist Exemplar: Willis O'Brien, stop motion animator

Big Idea: Exploring stop motion

Essential Questions:

- What is stop motion?
- How is a video a form of art?
- How can you make object appear to move on their own?

Objectives: Stud

- Learn ab
- Learn ab
- Work on
- Work on
- Clean up

USA National C
VISUAL ARTS:

- PK Grade
- VA:Cr1.1.
 - VA:Cr1.2.
 - VA:Re.7.1.

Kindergarten:

- VA:Cr1.1.K
- VA:Cr1.2.K
- to artistic

Grad

-
-
-
-

TEACHER NOTES

OVERVIEW:

- This is a great cooperative group project that gets everyone involved.
- I like to divide my class into groups by tables of 6 students. Smaller groups also work well, it just depends on how much time you have to make movies.
- I can usually make a movie with 1 group on Day 2, 2 movies with 2 groups on Day 3, and the final 2 movies on Day 4. Students that are absent when their group has a turn can help another group with moving an item a few times.

TEACHING TIPS:

- Once all groups have gathered their items, storyboarded their movie, and made the background if needed, you can introduce and begin a new project that requires little teacher involvement.
 - Including a flip book lesson is a great way to build off of the concepts they learn in this lesson. Students can take pictures of their flip pages to turn into a flip book stop motion animation. While the class works on the new project you can pull out and work with groups to take pictures for their movie. You can add in flip books later in the semester if there is time.
- This side is included in this pack as a quick self-directed activity, but you can also use it with older students. If you have a lesson plan you can go ahead and work on (swap

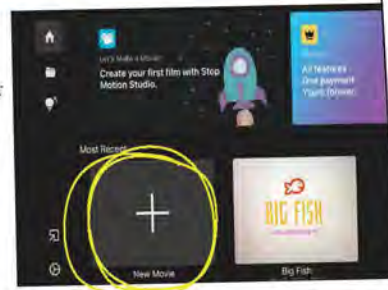
15 PAGES

STOP MOTION ANIMATION

USING STOP MOTION STUDIO

STEP ONE:

- On a smartphone, iPad, or similar, download the Stop Motion Studio app from the App Store.
- Open the app.
- Click the + symbol to create a new movie.



STEP TWO:

- Select "Allow" from the pop up requesting access to your camera.
- The app needs access to your camera in order to take pictures to use in the stop motion animation.



STEP THREE:

- The settings will automatically be set to take a photograph every time you hit the red circle button.
- To change the capture mode setting (such as adding a timer, timelapse, or taking a series of photos) select PHOTO to open CAPTURE MODE. You must have a premium membership to access the other features.



STEP FOUR:

- Get your recording area ready!
- Set your phone or iPad up on a



STEP FIVE:

- Set up your props, when you are ready push the red circle to take a picture.
- Move your prop, push the red circle, and repeat.
- Remember, small movements are key for a more fluid looking stop motion animation.
- Check out some frames below



STEP SIX:

- Click the < button to go to the editing window to view your video.
- To lengthen your video, slow down the frame speed.
- Click the settings button on the left hand side, click the speed button.
- To slow down your video drag the cursor to lower numbers.
- To speed up your video, drag the cursor to higher numbers.
- Click DONE, view your video.
- To undo an edit, click the undo symbol on the right side.



STEP SEVEN:

- To add a title and/or credit page, click the + button on the left side.
- Select TITLES AND CREDITS from the menu that pops up.
- You must have a premium subscription to use the digital titles and credits.
- To add your own in the free version, draw a design on a sheet of paper.

- Click the camera icon to return to the stop motion capture screen.
- Set the paper on a flat surface, position the camera to crop in on just the paper.
- Push the red circle button to capture the picture.
- Click the < button to return to the edit screen.

STOP MOTION ANIMATION

QUICK REFERENCE GUIDE

PATTERN PUPPET PEOPLE:

STOP MOTION STUDIO APP:

- Download the Stop Motion Studio App (free) on iPhone, iPad, or a smartphone to be used for taking photos for the animation.
- Set up a background area and items (objects and pattern people) to be animated.
 - Look at the teacher notes for times on securing the movie set.
- Open the Stop Motion Studio app on the device then tap "+" to create a new movie.
- Attach the device to a tripod. Option: pair the tripod remote to the device (this makes it easier to take pictures).
- Use the remote to take the first picture of the background without any objects or people. If you don't have a remote, carefully tap the red circle on the device to take the picture.
- Place the person or object so that just a little is showing on one side of the background. Take a picture.
- Move the person or object so more is showing. Take a picture.
- Repeat until the person or object disappears off the opposite side.
- TIP: think about the movie and how the pattern people should move, what story you are telling. Are they interacting with any objects? Will the background move?
- Press the play button on the device screen to see the movie.
- Tap the back button (top left corner of the screen). The movie will appear on the home screen.
- Press and hold on the movie, a pop up appears, tap to rename, delete the name and your title or identifying info (Smith Kindergarten class). Tap Rename.
- Export the movie to save on the device.

MOVIE EDITING:

- You can edit the movie further in the Stop Motion Studio App (more details in the Stop Motion Studio guide) or follow these instructions to edit the movie on a computer:
 - Export the movie to a computer to edit the movie. I purchased Stop Motion Studio for editing on a computer. You can also upload the movie to a free online platform such as Canva to add title and end frames.
- Stop Motion Pro:
 - Set the FPS (frames per second):
 - Tap the settings (lower left area of the screen).
 - Tap the first icon, tap the number for # frames/second if you want to edit.
 - Loop the movie to make it longer:
 - Select all the frames (tap first, hold shift, and tap last to select all).
 - Copy (2 finger tap on the frames, select copy on the pop up) and paste after the last frame to make the objects or people move in the same direction. Repeat until you get the right length.

- To make people or objects move forward then backwards:
 - Copy and paste the original set of frames as above.
 - Select the pasted frames.
 - 2 finger tap, select reverse from the pop up.
 - The people or object will move across, then reverse back to the beginning frame.
 - Select all the frames and paste it at the end until you get the right length.
- Add Audio:
 - Select the frame where you want audio to begin.
 - Tap + (next to the settings icon) then Audio from the pop up.
 - Look for a sound effect, noting the length of the sound.
 - Tap on the arrow to the left of the name to hear the audio.
 - Tap on the name to insert it in the project.
 - Make a note of the frame # and sound in case you need to find it later.
 - Delete sound: 2 finger tap on the music note on the frame and tap delete.
 - Locating a frame in the movie list:
 - Play movie
 - Hit pause when you find a location where audio is needed.
 - Swipe left on the frames until you see a yellow line which marks where the movie was paused.
- Add longer playing music after all the shorter audio is added. Longer audio can be layered on top of the shorter ones.
- Record Audio:
 - Tap the microphone (next to +)
 - Tap Record from the pop up, wait until the red dots stop flashing then make a sound loudly and clearly.
 - Tap Done to add to the project.
- Adjust Volume of Audio or Delete Audio:
 - Find the frame with the music note on it for the sound/music you wish to delete.
 - 2 finger tap on the frame and tap on Audio from the pop up.
 - Hold and move the cursor/arrow on the line of numbers on the pop up screen to make the volume softer.
 - To Delete Audio: tap on the red Delete rectangle button on the pop up.
- Add title, credits, etc.:
 - Go to the beginning of the movie and tap the + then select Titles and Credits.
 - Select the page format.
 - Double tap on the page to edit the words.
 - Tap back and the page will be added to the beginning.
 - Go to the end of the movie and repeat.
- Canva:
 - Log into Canva.

TEACHER GUIDES

STOP MOTION STUDIO APP HOW TO, QUICK REFERENCE TIPS,

6 PAGES

Today:

- Divide into your movie making groups.
- Write your movie name and individual names at the top of your brainstorm sheet.
- Fill out the questions.
- List supplies you need to complete your movie.
- If you are creating your own background, start working on it.
- If you finish early work on a title frame and end/credits frame.

STORYBOARD

BRAINSTORMING

Answer the questions below to help brainstorm ideas and develop your plan for your movie.

1. What is your movie going to be about?

2. What do you want to see in your movie?

3. What objects are you going to use?

4. How will your movie be different from other movies?

5. What objects do you need to make your movie?

7. List the jobs the objects will do.

SKETCHING

Sketch out your plan for your movie. You don't have to draw every picture you will take for your stop motion animation, but you want a general idea of how your objects and background might move. Draw the scene and describe the action below it.

Starting Point:	Action 1:
Action 2:	Action 3:
Action 4:	Final Scene:



MAGIC MOVING OBJECTS
STOP MOTION ANIMATION



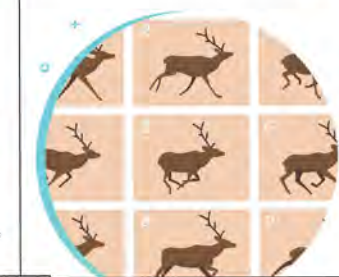
Artist to Know:
Willis O'Brien

- Lived from March 2, 1888 to November 8, 1962.
- Was born in Oakland, California.
- First started working on cattle ranches at the age of 11. He continued working a variety of jobs from farmhand to factory worker to a cowboy. He also competed in rodeos.
- He became interested in dinosaurs when he worked as a guide to paleontologists at Crater Lake.
- During his various jobs he liked to draw and sculpt. He later became a draughtsman at an architecture firm.
- He began playing with animating his models which eventually led to him joining the movie industry.



Artist to Know:
Willis O'Brien

- He helped create some of the most successful stop motion animation and live action movies at that time.
- Check out a clip from [King Kong here](#).
- Start the movie at 1:24 pause at 1:40.
- FUN FACT: the model for King Kong is only about 18" tall. The sets and angle of the camera makes him look much larger.



Stop Motion Animation

- Stop motion animation is making things appear to move by taking a picture, moving the object slightly, taking another picture, and repeating.
- When the pictures are put together they create a moving image.
- Animation means something appears to be animated, or moving, even though it isn't actually moving.

Your Project

- You will be broken into small groups.
- You will bring in objects to star in your movie!
- These objects will magically move on their own.
- Together you will brainstorm ideas for your project and create a storyboard showing how your objects will move.
- If you want a background you will create one and be responsible for it.



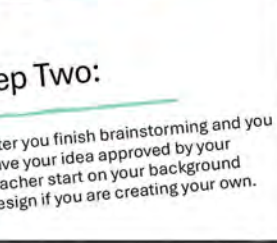
Project Steps:

- You will be divided into small groups.
- As a group you will brainstorm ideas for your movie, what objects to bring in, and if you want to create a background.
- You will create a storyboard to show the steps for your movie.



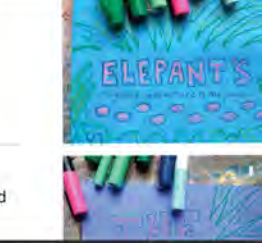
Step Two:

- After you finish brainstorming and you have your idea approved by your teacher start on your background design if you are creating your own.



Step Three:

- If you finish brainstorming, get approval, and finish your background design start working on your title frame and credits frame designs.



PRESENTATION 1

PROJECT INTRODUCTION & OVERVIEW

11 SLIDES

STORYBOARD

BRAINSTORMING

Answer the questions below to help brainstorm ideas and develop your plan for your movie.

MOVIE TITLE: _____

1. What is your movie going to be about?

2. What do you want the background to look like?

3. What objects are you going to include?

4. How will your movie start? How will it end?

5. What objects do you need to bring in?

6. What supplies do you need for your background?

SKETCHING

Sketch out your plan for your movie. You don't have to draw every picture you will take for your stop motion animation, but you want a general idea of how your objects and background might move. Draw the scene and describe the action below it.

Starting Point: _____	Action 1: _____

Action 2: _____	Action 3: _____

Action 4: _____	Final Scene: _____

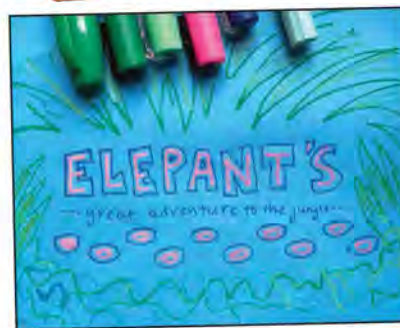
TITLE & END FRAMES

MOVIE MAKING ACTIVITY

Follow the instructions below to complete title and end frame designs for your stop motion movie.



ACTION
Design and create a title and end frame for your movie. What you include is up to you.



TITLE FRAME

- A title frame introduces the movie.
- Add the title, or name, of the movie.
- Write the words BIG!
- Add a picture or design that represents the main idea of the movie and text on the page.



END FRAME / CREDITS FRAME

- What do you want the last frame of your movie to be?
- You can design a frame that says "THE END."
- You can design a frame that lists the name of everyone who helped make the movie, this is a list of credits.
- Write your words BIG!
- Add a design or image to make the frame more interesting.

Use the space below to design your title frame and end frame. NAME: _____

TITLE FRAME DESIGN: _____

PROJECT ACTIVITIES

BRAINSTORM, STORYBOARD, TITLE FRAME, END FRAME,

4 PAGES


Today:

- Finish your brainstorming and storyboarding sheet.
- Finish your background (optional)
- Finish your title and end frame designs (optional)
- Assign jobs for your stop motion movie.
- Set up your movie set.
- Determine where your objects need to be placed, mark them if needed.
- Set up your background.
- Begin moving your objects and taking pictures between each movement.




Who is our artist to know?

- Willis O'Brien
- Lived from March 2, 1886 to November 8, 1962.
- Was born in Oakland, California.
- FUN FACT: he was discovered by Thomas Edison the inventor.
- Edison saw his first short animated film and hired him to animate a series of short films about dinosaurs and prehistoric times.
- [Check out one of the films here.](#)




Project Steps:

- You will be divided into small groups.
- As a group you will brainstorm ideas for your movie, what objects to bring in, and if you want to create a background.
- You will create a storyboard to show the steps for your movie.
- You will work as a group to move and photograph your objects.
- I will edit the movie together.



Last Class:

- Divided into your movie making groups.
- Wrote your movie name and individual names at the top of your brainstorm sheet.
- Filled out the questions.
- Listed supplies you need to complete your movie.
- Sketched out your movie storyboard.
- If you are creating your own background, started working on it.




Step Four:

- After you finish planning your movie, you have your background done, and you have your objects you will be called up to film your movie!



Step Five:

- Set up your background.
- Use tape to attach it to the wall.
- If you have moving pieces in your background lightly tape them to the background using masking tape.
- Set your objects in the space and decide




Pay attention!

- Listen to these commands as you creating your animation.
- Clear: students move all hands from the area to be photographed.
- Click: teacher takes picture (this is a frame of our movie!)



Step Five:

- When you are ready to start taking pictures, remove all your objects or set them in their starting positions.



PRESENTATION 2

PROJECT STEPS & DAY CHECKLIST

11 SLIDES

WILLIS H. O'BRIEN

ACTIVITY GUIDE

Learn about the animator, Willis H. O'Brien, who lived from 1886 to 1962. Try using inspiration from O'Brien's work to design your own characters on the back.



Willis O'Brien

FUN FACTS:

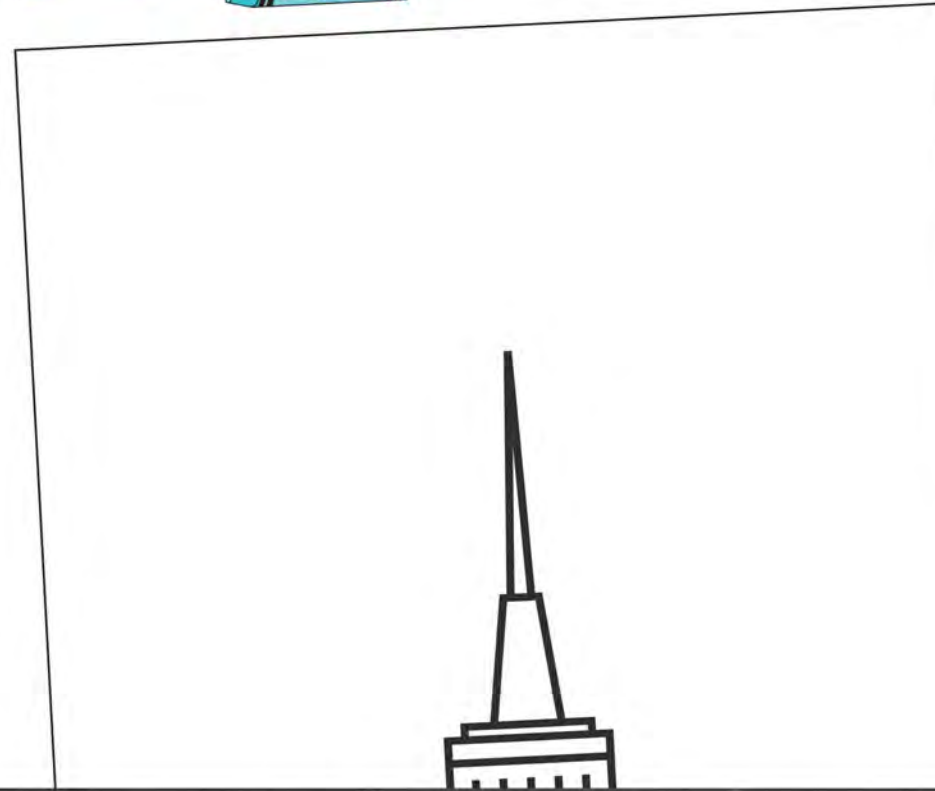
- 1: Before becoming a stop motion animator O'Brien had a range of jobs including farmhand, farm worker, guide, cowboy, boxer, brakeman on road, marble sculptor, and draughtsman. His first job at age 11.
- 2: Thomas Edison, the inventor, saw an early animation film O'Brien made and commissioned to make short films for his company.
- 3: He created a design where a rubber skin was over a complex model and included a bladder in the model that could be inflated and deflated to make it look like the models were breathing.



PRACTICE



King Kong is famously remembered for climbing to the top of the Empire State Building. Design your own creature that climbed to the top of the Empire State Building below.



FLIP BOOK

HOW TO GUIDE

Follow the steps below to create a flip book design.



STEP ONE: Fill out your storyboard, gather your supplies: a stack of 3"x5" paper (10-15), pencil, markers, a stapler



STEP TWO: Find the halfway point on your paper, don't draw anything above that line.



STEP THREE: Create your first drawing. Decide what in your drawing does and doesn't move.



STEP FOUR: Outline your drawing using a thin black marker.



STEP FIVE: Put paper on top of your drawing, trace the part that doesn't move on every sheet. TIP: hold it up to a window or light table to see the lines.



STEP SIX: Add drawings to all your sheets of the object that is moving. Make small changes between drawings.



STEP SEVEN: Check your sequence. If you see too big of a jump between drawings, add one in between.



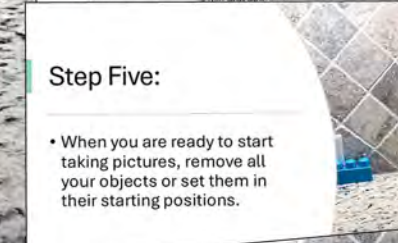
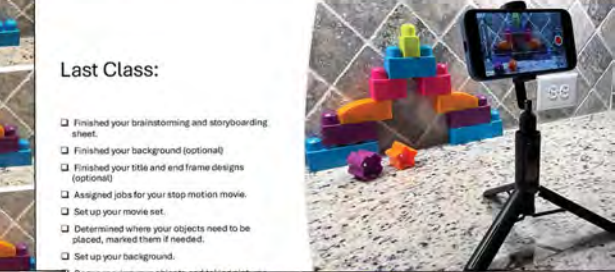
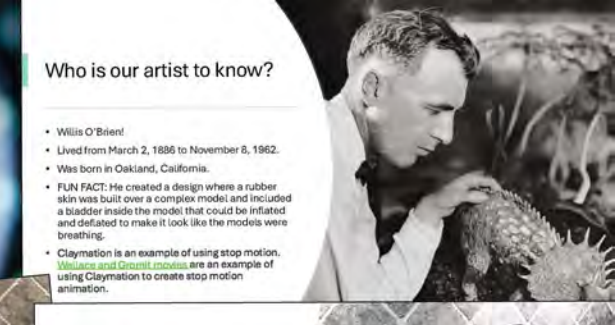
STEP EIGHT: Test your flip book. Stack your images first drawing to the last drawing. Hold it together using a binder clip. Flip through to see if you need to make changes.

EARLY FINISHER

ARTIST ACTIVITIES FLIP BOOK ACTIVITY, 5 PAGES

Today:

- Continue working on your movie!
- When you finish your movie and title/end frame designs work on a fast finisher activity.
- O'Brien design: learn more about the animator and design your own creatures to climb on the Empire State Building.
- Flip Book: create a different type of animation by designing your own flip book!



PRESENTATION 3

PROJECT STEPS & DAY CHECKLIST

10 SLIDES

Name: _____

MAGIC MOVING OBJECTS RUBRIC

TOPIC	POINTS	COMMENTS	SCORE
BRAINSTORM & DRAWING: The brainstorming sheet was completed, supplies were listed out. The storyboard was completed, 6 scenes were sketched out and described.	10		
MOVIE MAKING: The student participated in setting up the movie set, preparing the objects, moving the objects, taking pictures, editing, adding audio, and adding title/end frames. They worked well in their group.	40		
SET UP: The student helped brainstorm and design the background, title frame, and end frame.	10		
TEAMWORK: The student worked well in their group. They listened to ideas, offered ideas, helped their group members, and participated in the project.	10		
CREATIVITY: The student thought outside of the box. They thought creatively about their movie.	10		
CRAFTSMANSHIP: The elements were well thought out and planned. The movie was fluid.	10		
EFFORT: The student worked hard and managed time.	10		

NAME: _____

MAGIC MOVING OBJECTS CHECKLIST

- _____ The brainstorming questions were answered by the group members.
- _____ The storyboard sketches were completed.
- _____ Objects were brought in to star in the movie.
- _____ A background was designed (optional).
- _____ Title frame and end/credit frames were designed.
- _____ The movie set was set up.
- _____ The student participated in creating the stop motion movie.
- _____ The movements are fluid, the gaps between movements are not too big.
- _____ A title frame was added at the beginning.
- _____ An end frame was added that says "the end" or has a list of credits.
- _____ Audio was added to the stop motion animation.
- _____ The movie was correctly exported.
- _____ The student worked well as part of their group.
- _____ The student cared for supplies and cleaned up after themselves.

WRAP UP
CHECKLIST, RUBRIC, 2 PAGES

BUYERS LOVE MY ART LESSONS:

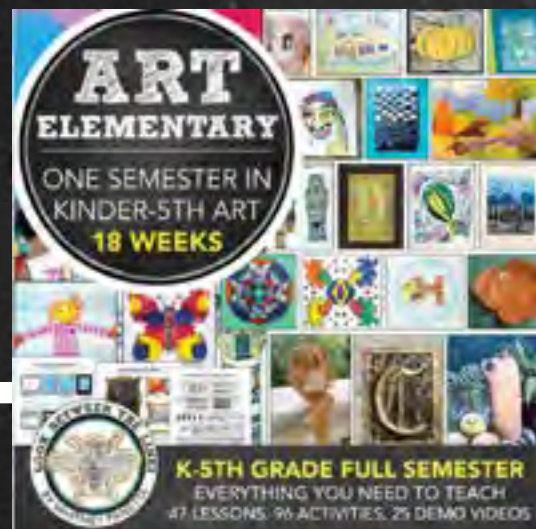
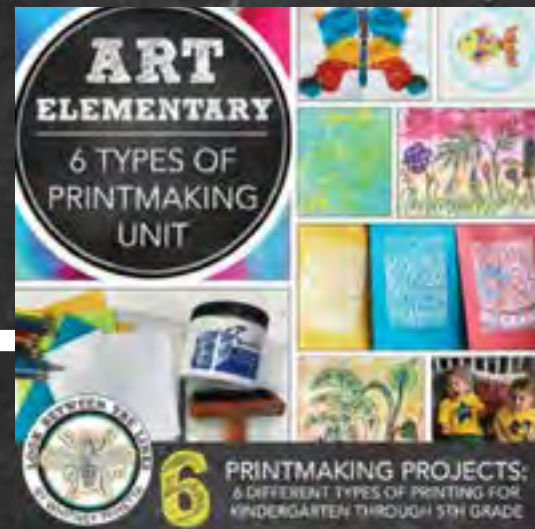
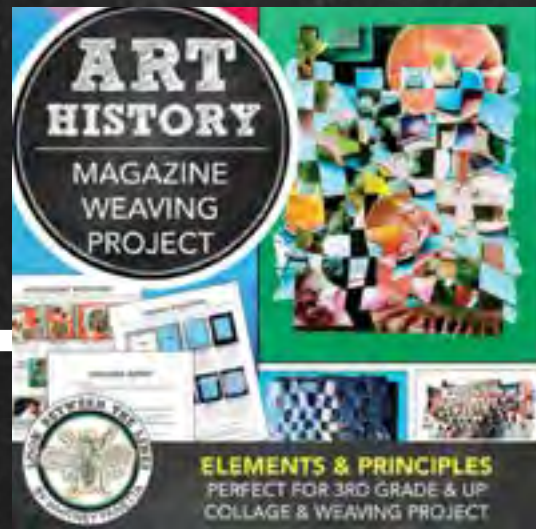


"This was so helpful to my students! The PowerPoint along with it was such a great resource and I will definitely be using this every year!"



"Fabulous resource! Students loved it!!!
Thank you for sharing!"

CHECK OUT MORE PRODUCTS:



Check out more projects for elementary through high school students.

Grab early finishers for those quick artists or an entire curriculum so you can focus on teaching.

[VIEW MORE HERE](#)

LOOK BETWEEN THE LINES

BY WHITNEY PANETTA



I'm Whitney, a former art teacher turned art curriculum developer. I now focus on designing art lessons, resources, & full curriculums for elementary, middle, high school art teachers, homeschool parents, & general art enthusiasts.

I am so glad to still be connected to the world of art education and I love seeing my resources "in the wild" all over the globe. Reach out anytime with questions or comments at whitneywpanetta@gmail.com.