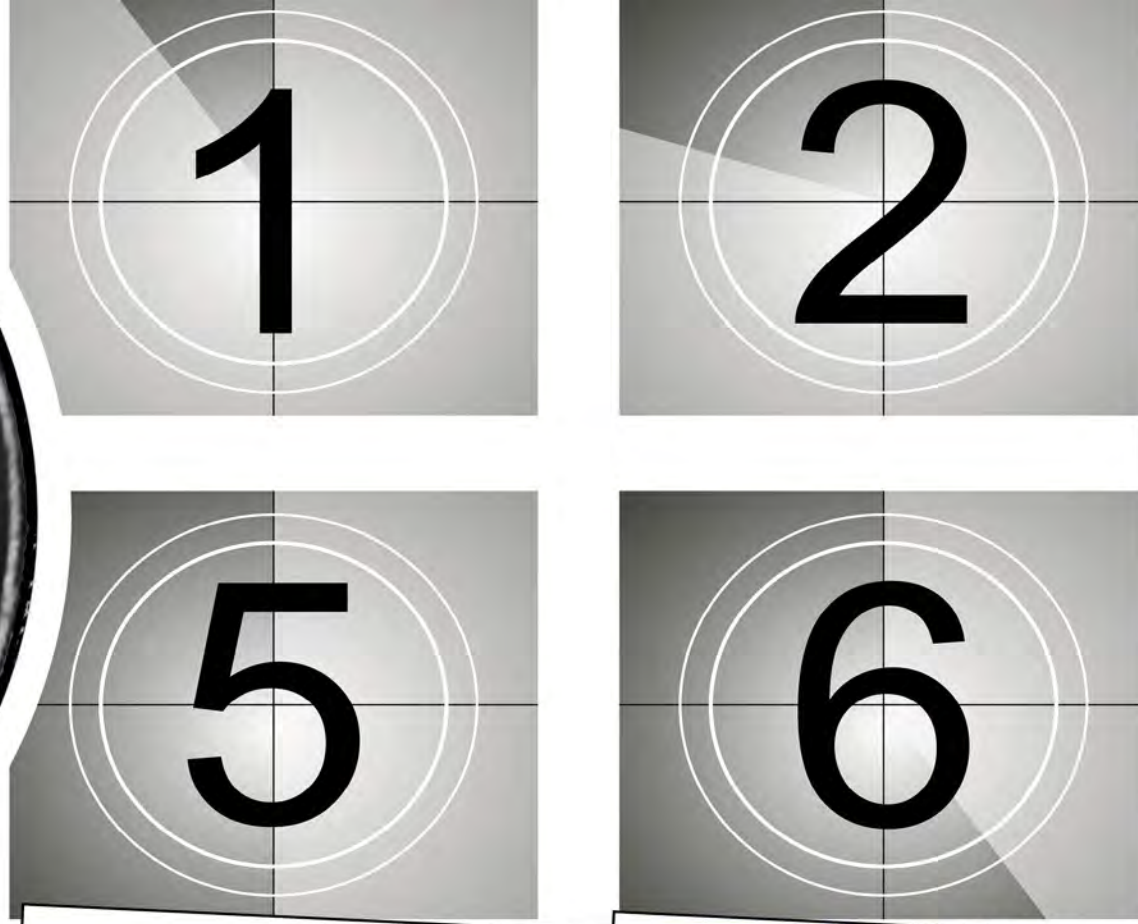


ART ELEMENTARY

STOP MOTION ANIMATION PROJECT



TITLE & END
MOVIE MAKING APP

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



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 to take pictures to

SANDY LINES DESIGN
MOVIE GUIDE

Read through the steps below to learn how to set up and create your sandy lines stop motion

STEP ONE: Plan out your line design. Dark colours show the lines that are drawn first, medium colours are the next lines, light colours are the last lines. Add arrows to show the direction the lines should be drawn in.

STEP TWO: Set up your movie making area a pan fill with sand, use a ruler to smooth it out, camera on a tripod. Take a picture of the sand with markers. Listen for the below commands to know when to add lines and get out of the way:

Draw: Use a pencil point to draw lines when prompted.
Clear: students move all hands from the area to be photographed.
Chile: teacher takes a picture.
Move: students return to their seat (or move to watch others). The next group moves in to work on the design.



SANDY LINES DESIGN ANIMATION
LESSON PLAN, PROJECT GUIDE, & MORE

INTRO TO STOP MOTION



This lesson pack is geared towards elementary students designed with 2nd grade and older in mind.



Perfect introduction to animation by creating line designs in sands in groups.



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



1 project, 2 early finisher activities

WHAT YOU GET

This Project Pack Includes:

- ✓ Lesson Plan, Notes (13 pages)
- ✓ Quick Reference (3 pages)
- ✓ Project Guide (4 pages)
- ✓ 3 Activity Guides (6 pages)
- ✓ 2 Presentations (25 slides)
- ✓ Checklists (1 page)

SANDY LINES DESIGNS

Exploring Lines through Stop Motion

Age group: 2nd grade and older

Artist Exemplar: Lotte Reiniger, filmmaker, silhouette animator

Big Idea: Exploring stop motion

Essential Questions:

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

Objectives: Students will...

- Learn about filmmaker, Lotte Reiniger.
- Learn about how stop motion animation is created.
- Brainstorm ideas for their stop motion movie using a storyboard.
- Work on a stop motion movie as a group.
- 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.

Today:

- Listen to be called up to help add lines in the sand to create our stop motion animation.
- Pay attention to these commands:
 - **Draw:** Use a pencil point to draw lines when prompted.
 - **Clear:** students move all hands from the area to be photographed.
 - **Click:** teacher takes picture (this is a frame of our movie!).
 - **Move:** students return to their seat (or move to watch others). Next students move to the design.
- Work on a title frame, end frame, or maze design while you wait to be called. If you finish on one activity work on another one.



LESSON PLAN & TEACHER NOTES:

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

SANDY LINES DESIGNS

Exploring Lines through Stop Motion

Age group: 2nd grade and older

Artist Exemplar: Lotte Reiniger, filmmaker, silhouette animator

Big Idea: Exploring stop motion

Essential Questions:

- What is stop motion?
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- How can you make lines appear to move on their own?

Objectives: Stud

- Learn ab
- Learn ab
- Brainstor
- 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

Grad

- VA:Cr
- VA:Cr
- VA:Cr

TEACHER NOTES

OVERVIEW:

- Drawing in sand, or cornmeal, is a quick easy way to create line designs that grow and change through stop motion animation.
- Every student can be involved as they each take a turn to continue the design.
- This simple method works great for anyone, ages Kindergarten to adults!

TEACHING TIPS:

- To shorten the project, students can fold a half sheet of paper in half to create 2 rectangles for practice designs rather than 4 line designs.
- Decide how many movies you want to make in each class and how they will be selected.
 - Choose 1 design from the whole class or 1 from each table, etc.
 - You can compress the project to one day by storyboarding as a class then lining up students at the sand tray and telling them where to draw or extend each line for a single design.
- Test ahead of time:
 - Set up the picture taking area with a large tray and phone camera on a tripod.
 - Make notes about the best distance from the camera to the tray to capture all but the edges of the sand tray.
 - Make a trial movie to understand any issues that might arise.
- Movie making day: Completely fill the tray with sand or cornmeal and smooth with a ruler or wooden strip.
 - Sand smoothing: Smooth the top of the edges with sand.
 - Catch sand: Place a ruler under the tray to catch sand or do this outside.
 - Edges: Smooth the edges of one side of the tray. The ruler should

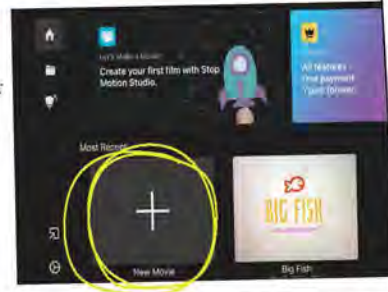
13 PAGES

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

SANDY LINE DESIGN:

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 animation area where drawings will be made in tray of sand.
- 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.
- Line Design on the tray of sand or coriumal:
 - Take a picture of smooth sand with no drawing.
 - Draw the first segments of lines, take a picture.
 - Repeat until the design is complete.
- 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 tip:
 - 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.
 - Select the video project icon at the top of the screen, select horizontal orientation.
 - Click uploads on the left hand side. Drag and drop or click upload and locate your movie to load it into Canva.

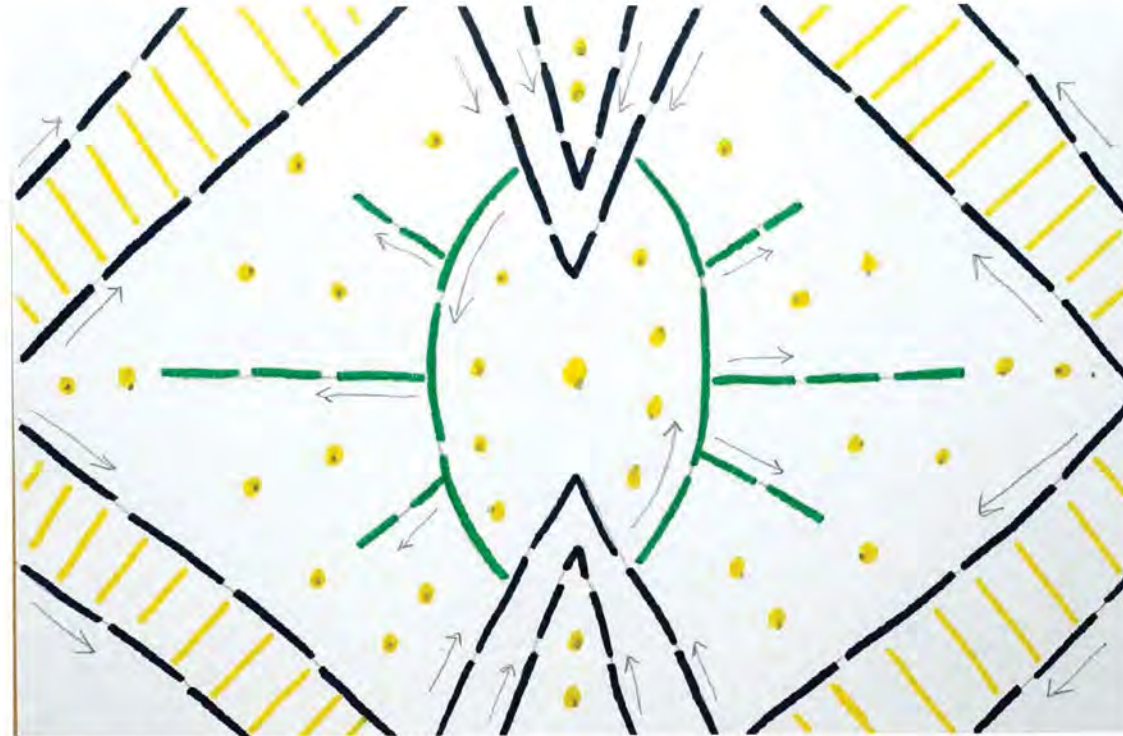
TEACHER GUIDES

STOP MOTION STUDIO APP HOW TO, QUICK REFERENCE TIPS,

6 PAGES

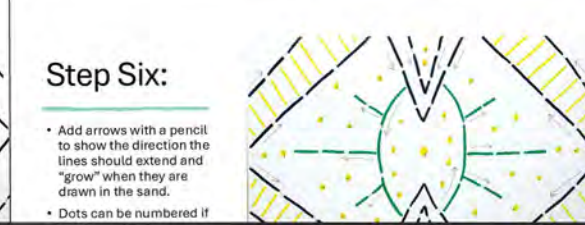
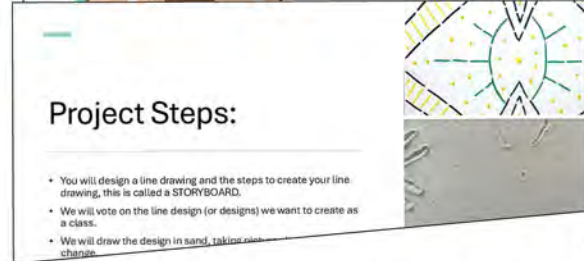
Today:

- Create 4 line designs.
- Pick your favorite to draw larger in pencil.
- Trace the first lines to appear in the movie using a dark marker.
- Trace the second lines to appear in the movie using a medium color marker.
- Trace the last lines and details to be drawn using a light marker.
- Add arrows to show the direction the lines should appear.
- If you have time, add color to your test drawings.



Artist to Know: Lotte Reiniger

- Lived from June 2, 1899 to June 19, 1981
- Was born in Berlin, Germany.
- As a child became fascinated by the Chinese art of paper cutting and silhouette puppetry.
- She studied film in school and went on to be a part of many early animation projects.
- Check out one of her stop motion animation movies, this is the oldest surviving animated feature length movie (the characters are cut paper silhouettes, but the magic you see is a mix of wax and sand): [The Adventures of Prince Achmed](#).



PRESENTATION 1

PROJECT INTRODUCTION & OVERVIEW

13 SLIDES

SANDY LINES DESIGN

MOVIE GUIDE

Read through the steps below to learn how to set up and create your sandy lines stop motion.



STEP ONE: Plan out your line design. Dark colours show the lines that are drawn first, medium colours are the next lines, light colours are the last lines. Add arrows to show the direction the lines should be drawn in.



STEP TWO: Set up your movie making area. a pan fill with sand, use a ruler to smooth it out, a camera on a tripod. Take a picture of the sand with marks. Listen for the below commands to know when to add lines and get out of the way:

- Draw:** Use a pencil point to draw lines when prompted.
- Clear:** students move all hands from the area to be photographed.
- Click:** teacher takes a picture.
- Move:** students return to their seat (or move to watch others). The next group moves in to work on the design.



STEP THREE: Add your first lines. TIP: Rather than drawing long lines, draw short lines. Make the line longer between each picture by adding another short line. This will make it look like it is growing.



STEP FOUR: Continue adding to the design, make sure you take pictures between every change you make.



STORYBOARD

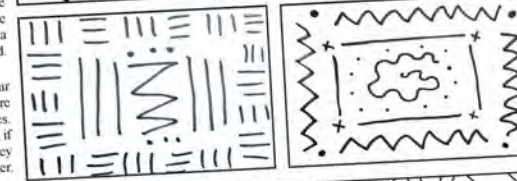
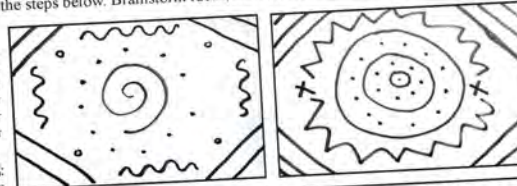
ACTIVITY GUIDE

A storyboard is a series of drawings that show the frames in a movie. Read through the steps below. Brainstorm ideas, then create your final storyboard.

SUPPLIES:
Pencil
Eraser
Dark colour marker
Medium colour marker
Light colour marker

STEP ONE:
Draw four different line designs. Pick your favorite design to turn into a storyboard.

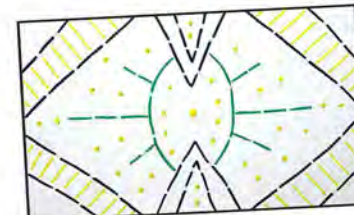
TIP: When you create your designs, make sure there is space between the lines. When you draw with sand if your lines are too close they will blend together.



STEP TWO: Draw your favorite line design larger using a pencil.

STEP THREE: Draw over the first lines you want drawn in the sand with a dark marker, draw it in line segments (dashed lines).

STEP FOUR: Draw over the second lines you want drawn with a medium colour marker.



STEP FIVE:
Draw over the last set of lines using a light marker.

STEP SIX:
Add arrows with a pencil showing the direction the lines should be drawn.

STORYBOARD

Follow the activity guide instructions to draw your favorite line design and color code it so you know what lines to draw first when you make your movie.

STORYBOARD

PRACTICE SPACE

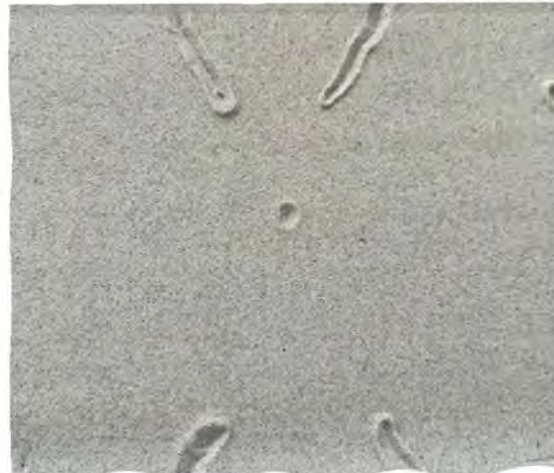
Brainstorm 4 line design ideas. Pick your favorite design to draw in the larger space on the back.

PROJECT GUIDES

HOW TO CREATE YOUR DESIGN,
DESIGN BRAINSTORMING & STORYBOARDS, 4 PAGES

Step Seven:

- I will call groups of students up to help with the movie.
- You will help draw lines in the sand to create the stop motion animation.



SANDY LINES DESIGN
STOP MOTION ANIMATION

Who is our artist to know?

- Lotte Reiniger!
- Lived from June 2, 1899 to June 19, 1981
- Was born in Berlin, Germany.
- She created the first version of the multiplane camera, or a camera that helps create a sense of depth in animation.
- Parts of the work of art are left transparent to show other layers below it.

Your Project

- As a class we will create a stop motion movie!
- You will create a storyboard for a line design for a stop motion animation.
- As a class, we will pick one or more designs to turn into an animated movie.
- We will create designs in sand and take pictures between every change to put together into a movie.
- Even if your design isn't picked for our stop motion movie, everyone will be a part of making the movie!

Project Steps:

- You will design a line drawing and the steps to create your line drawing, this is called a STORYBOARD.
- We will vote on the line design (or designs) we want to create as a class.
- We will draw the design in sand, taking pictures between every change.
- I will edit the movie together.
- We will add sounds, title frame, and end frame as a class.

Last Class:

- Created 4 line designs.
- Picked your favorite to draw larger in pencil.
- Traced the first lines to appear in the movie using a dark marker.
- Traced the second lines to appear in the movie using a medium color marker.

Step Six:



- Finish your line design if you haven't yet!

Pay attention!

- Listen to these commands as you draw lines in the sand.
- **Draw:** Use a pencil point to draw lines when prompted.
- **Clear:** students move all hands to be photographed.

Maze Activity

- While you wait for your turn to work on the stop motion animation you have 2 activities you can work on:
- Create a design for a title frame and/or end frame that could be included in the movie.



PRESENTATION 2

PROJECT STEPS & DAY CHECKLIST

12 SLIDES

MAZE DESIGN

ACTIVITY GUIDE

Design a one-of-a-kind maze design following the steps below.



STEP ONE: Use a light marker or crayon to draw a wavy line from one side or corner of the paper to another.



STEP TWO: Draw a picture of the treasure or destination at the end of the line or write start and finish to mark the beginning and end of the maze.



STEP THREE: Use the marker to add additional lines to the original line design more complex.

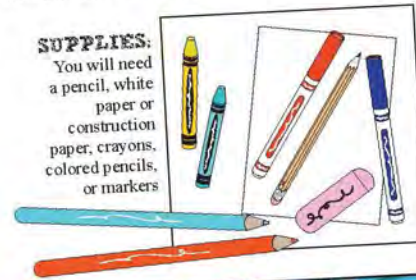


TITLE & END FRAMES

MOVIE MAKING ACTIVITY

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

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



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



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 around the text on the page.



END FRAME or CREDITS FRAME:

- What do you want the last frame of your movie to be?

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

NAME: _____

TITLE FRAME DESIGN:

EARLY FINISHERS

DESIGN A TITLE & END PAGE, MAZE DESIGN
COLOUR & COLOR SPELLING 4 PAGES

NAME: _____

SANDY LINES DESIGN

CHECKLIST

- _____ A storyboard was created by designing 4 line designs.
- _____ 1 line design was drawn larger and color coded to show the stop motion steps.
- _____ A stop motion animation was created by drawing lines in sand to create a design.
- _____ 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.

WRAP UP
PROJECT CHECKLIST 1 PAGE

BUYERS LOVE MY ART LESSONS:

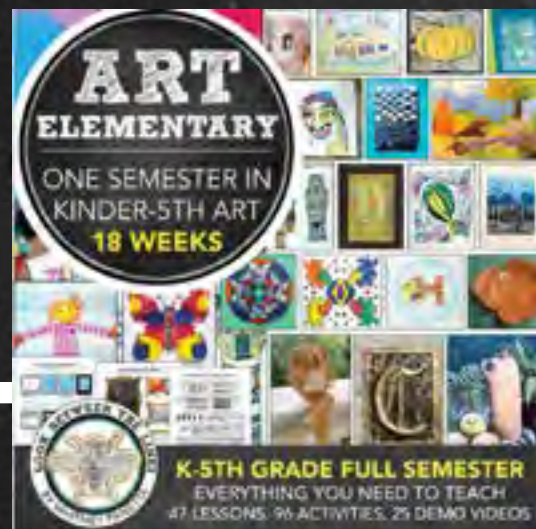
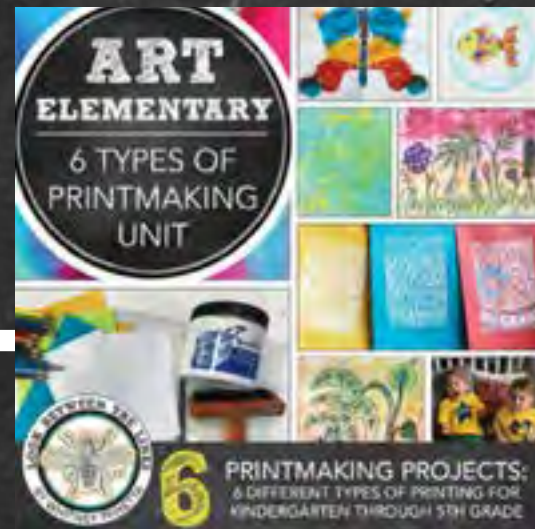
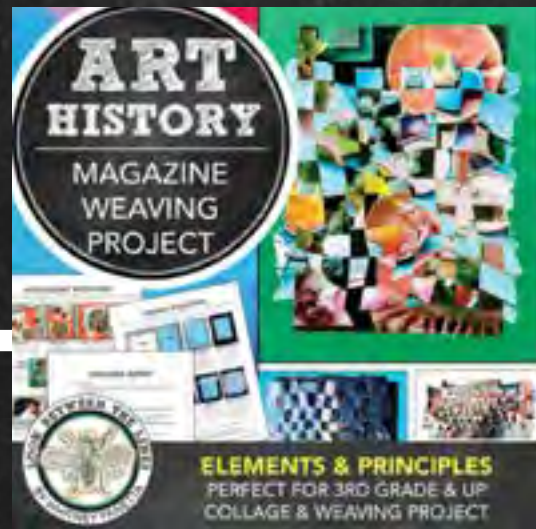


"This was so helpful to my students! The PowerPoint along with it was such a great resource and I will definitely be using this every year!"



"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.