

Lesson Plan

Mini Me

Summary

Students make a proportional paper image of themselves and use this to create a stop motion of a dance scene.

- Grades: 6 - 8
- Students critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts and make meaningful learning experiences for themselves and others. **(ISTE standards: global communicator)**
- Analyze proportional relationships and use them to solve real-world and mathematical problems **(Common Core MS standards)**
- Time: 90 minutes

Teaching Plan

Learning Context

Explain that proportional images look the same but are different sizes. As a group discuss the images on the [Proportional slideshow](#) and what about the caricature is proportional and not proportional.

Procedure

1. Show students the [example video](#) from the website.
2. Students should work in pairs to measure each body part and complete the top part of the student instructions (in centimeters). For the legs, it's better if students measure the outside of the leg rather than the inseam. For the diameter of the head, students should measure from ear to ear.
3. Students complete the bottom part of the student instructions to calculate the measurements for the paper doll of themselves (the Mini Mes). Round up for the length and down for the width. If you use exact dimensions, you'll find the arms are super skinny. Kids may want to fudge the width of the arms to make them more visible.

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4. Students use the calculated measurements to create paper dolls of themselves. This is a good opportunity for students to practice measuring. Remind students to look at the final product and see if it looks proportional. Encourage students to be creative in how they decorate their paper dolls.
 5. Students use their paper dolls to act out a dance scene before taking any pictures. This is important so that students can solve any logistical issues before they start taking pictures for their animations.
 6. Students take pictures of the paper dolls acting out a dance scene. This can be done without a tripod but a tripod will keep the camera steadier. One student should move the paper dolls while the other one takes pictures and then switch roles about half-way through the scene. Students need to take at least 100 pictures but no more than 200. This will give about 10 to 20 seconds of animation. (see resources for instructions on setting up for stop motion animation)
 7. Students create an animation using their pictures (see resources) either in Google Slides or a video editor.
 8. Show the final projects to the class and discuss how proportional each paper doll looks.

Materials

- Cameras
- Tripods (optional)
- Video editing software or Google Slides
- Tape measures
- rulers
- Construction paper
- Art supplies (tape, markers, glue)
- [Student worksheet](#)

Resources

[Creating animation using Google Slides](#)

Creating animation using Premiere Elements

Stop motion animation instructions

[Proportional slideshow](#)

