

# START



## SECOND GRADE

### OBJECTIVE

Students will use colored construction paper to weave a two-dimensional representation of a house with a roof.

### MATERIALS

- Turtle template handout
- Pre-cut green and yellow paper strips
- 9x12" colored construction paper
- Ruler
- Scissors
- Glue stick
- Crayons
- Walkthrough video (teacher only)

### NATIONAL/IL VISUAL ART STANDARDS

#### VA:Cr1:2.2a

Make art or design with various materials and tools to explore personal interests, questions, and curiosity.

### MISSOURI'S GLEs OF VISUAL ART

#### S1.3.B.G2

Design a building that serves a function in the community and includes building parts (e.g., roof, walls, door, windows, surface material)

#### S1.1.D.G2

Create a paper weaving using plain weave (over one, under one, alternating rows)

### PRE-ASSESSMENT – TURTLE SHELL PAPER WEAVE

1. Hand out crayons, two yellow and two green paper strips, and the turtle handout provided in your classroom kits. Reserve scissors and glue stick for now.
2. Task your students with coloring in the turtle on their handout. The coloring of this project isn't as important as the cutting part, so don't worry if the kids go off the rails with coloring and scribble all over the sheet. Let them have fun! As long as the turtle gets some color, you're good to go.
3. Once the turtles are colored in (or your class's attention begins to wane, whichever comes first) hand out scissors and glue sticks.
4. Fold the paper in half at the indicated spot on the sides of the page. This is very important—those marks indicate the middle point of the four dashed lines, NOT the middle point of the page.
5. Using scissors, cut along the dashed lines. Unfold the sheet and flatten onto the table.
6. Weave the yellow and green paper strips through the openings in the turtle's shell in an over-and-under pattern, alternating color and weaving direction with each row. You should be able to fit four strips with a bit of space in between them all.
7. Trim the excess off the ends of the strips and glue them down. Make sure the ends go past the outer edge of the turtle's outline!
8. Once the glue has dried, cut out the entire turtle.
9. Collect **at least three** photographs of the cut-out and woven turtles and submit them to the Google Form linked at the end of this page.

### PRE-ASSESSMENT FORM

<https://forms.gle/6tEP89ewoxBFy7AV6>



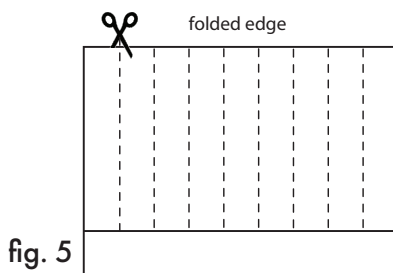
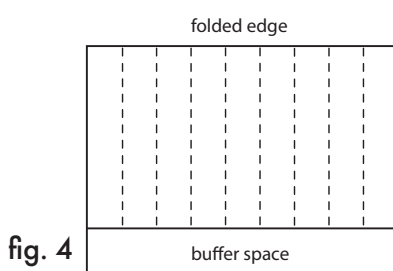
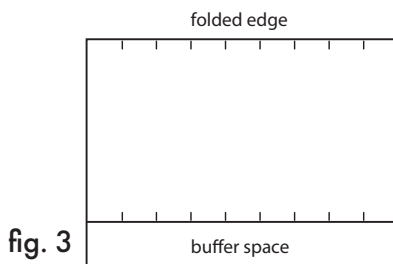
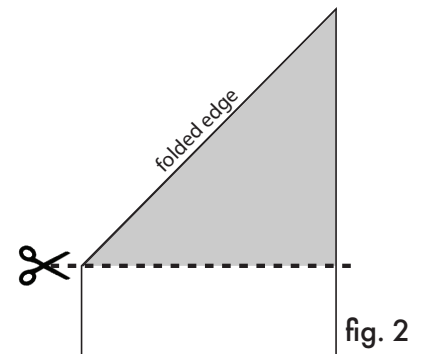
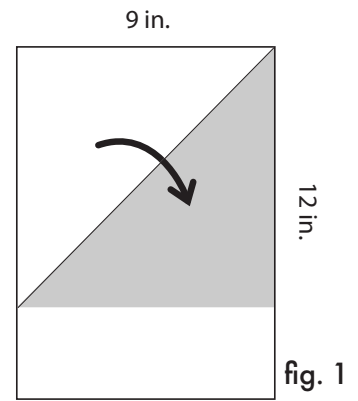
### POST-ASSESSMENT FORM

<https://forms.gle/XDe6NsEVRkzQaFM67>



## PRIMARY ACTIVITY – WOVEN PAPER HOUSE

1. Have your students pick out four different colored sheets of construction paper. They'll need a pencil, ruler, scissors, and glue stick for the bulk of this project. Crayons will come later.
2. Have your students choose which color should be their "walls" and which should be their "roof." We'll be starting with the roof, so set the other three sheets aside for now.
3. Fold a perfect right triangle into the page by aligning the top edge of the page to the edge of the longer side. (fig.1)
4. Use a pencil to mark off of the leftover rectangle at the bottom of the page. Unfold the triangle you just made and cut this rectangle off (fig.2); reserve for later. Refold the triangle. Set aside.
5. Get the paper you chose for the "walls" of your house. Fold in half, hamburger style.
6. Starting with the folded edge, use your ruler to mark one-inch increments from the edge. There should be eight marks total.
7. Flip the folded sheet around (NOT over) and trace one ruler's width margin against the "open" edge of the paper. This will be our buffer space.
8. Setting your ruler against the line you just traced, mark one-inch increments across the page. There should be eight marks total. (fig. 3)
9. Use your ruler to draw a line between all the inch-wide marks you've made, making sure not to draw into the buffer space. (fig.4)



10. Cut into the folded edge of the paper along the lines you've drawn. Be careful not to cut into the buffer space. (fig. 5)
11. Unfold the paper and lay flat on the table. This will act as our paper loom.
12. Locate the two other sheets of construction paper we picked out earlier. Setting your ruler against the short bottom edge, draw ruler-width spaces all the way up both sheets. You will likely have a small space at the end that doesn't match the others; cut that off and discard it.
13. Cut your two pieces of construction paper into even strips using the lines you just drew. Separate into two piles according to color.
  - **FOR GIFTED LEARNERS:** Cutting each strip in half longways to make thinner weaving strips can add to the challenge. It will also make the final product look way cooler.
  - **FOR STRUGGLING LEARNERS:** Double the width of your weaving strips by cutting every other line on your sheets. The wider the strip, the faster the weaving goes and the less there is to manage.
14. Pick one color to start with. Weave your strips in an over-and-under pattern, alternating rows and colors all the way up to the top of the page. Keep the weave tight by continually pulling the woven strips down the loom.
15. This will get tougher the higher you go, so watch out for tearing!
16. Once the loom is woven full of paper strips, straighten the ends to meet the edge of the construction paper. Use your glue stick to secure the ends of each strip to the page. Be careful not to make them crooked.
17. Now you need to choose how to finish the house!

## PRIMARY ACTIVITY – WOVEN PAPER HOUSE CONT.

### PLAIN ROOF | GOOD FOR TIME LIMITATIONS & STRUGGLING LEARNERS

1. Grab the folded triangle we made in steps 3-4.
2. For extra fun, use the cut-out rectangle from step 4, trim it down to size, and glue a rectangular “chimney” to the inside of the triangle. Make sure it sticks out at least a little bit.
3. Glue the inside of the triangle thoroughly. Press both halves together evenly and firmly.
4. Drag your gluestick across one side of the outer folded bottom edge of the triangle. Attach to your woven walls to create the roof.
5. From here, use extra pieces of construction paper to add decorations. Students may also use their crayons to add shingles, a door, windows, etc. Have fun with it!
6. Collect **at least three** photographs of the finished houses and submit them to the Google Form linked at the end of page one of this lesson plan. Provide a few additional details about how your students did overall.

### WOVEN ROOF | FUN IF YOU HAVE TIME, LOOKS COOL, PUSHES YOUR STUDENTS A LITTLE MORE

1. Grab the triangle we made in steps 3-4.
2. With the folded edge at the bottom, place your ruler against one of the open sides. Trace a line to mark off a ruler’s width of buffer space like we did for the loom in step 9. Do this for the other open edge. (fig. 6)
3. Pick one of the buffer space lines. Using that line as your reference, use the width of your ruler to draw several more parallel lines in the empty middle space. (fig. 7) Do NOT draw into either buffer space.
4. Cut into the folded edge for each line you’ve drawn. This also includes the initial line you marked to separate one of your buffer spaces. (fig. 8)
5. This part is tricky, so I recommend watching the video for a clearer example. Using leftover strips from the house, weave one color of strips into the top layer of roof slits at a 45-degree angle toward the folded edge. (fig. 9) Only weave through the TOP LAYER OF THE FOLDED TRIANGLE. Easier to manage this way. The back fold of the triangle will have slits, but you won’t use them for this.
6. Trim the excess off both ends of the strips, making sure to cut them short enough so that the ends don’t appear in either of the buffer areas. Glue both ends down to secure.
7. Follow steps 2-6 from the “Plain Roof” directions above to complete the project.
8. Collect **at least three** photographs of the finished houses and submit them to the Google Form linked at the end of page one. Provide a few additional details about how your students did overall.

**ONCE YOU’VE SUBMITTED BOTH SETS OF REQUIRED PRE- AND POST-ASSESSMENT PHOTOGRAPHS THROUGH OUR FORMS ON PAGE ONE, WE WILL CONTACT YOU VIA EMAIL TO SEND YOU THE LINK TO THE REGIONAL OFFICE OF EDUCATION’S PD COMPLETION FORM SO YOU CAN GET YOUR PROFESSIONAL DEVELOPMENT HOURS FOR THIS PROGRAM.**

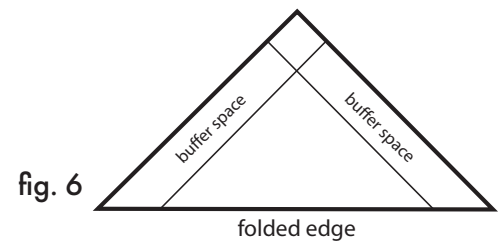


fig. 6

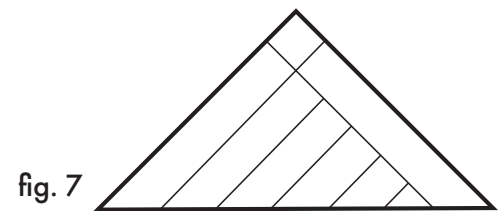


fig. 7

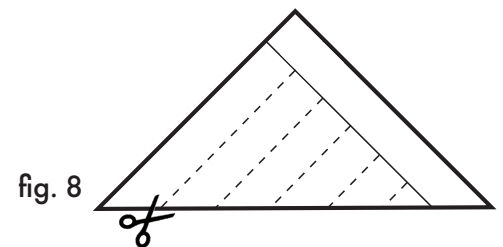


fig. 8

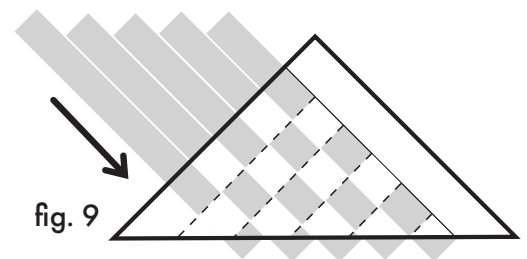


fig. 9