

Dimensional Weaving

A woven tapestry with a dimensional surprise.

art + social studies

A tapestry can tell a story through imagery or serve as an abstract decoration. In weaving, the term piqué or marcella refers to a style characterized by the use of raised cording to create designs within the fabric. This type of weaving was developed as a mechanized process in the late 18th century, although the technique was first employed through adding cords or batting to hand embroidery. Examples of raised embroidery date back to the Japanese Heian period where it was used to give dimension to already elaborate kimono decorations.

Add an extra layer of surprise to a piqué weaving by using clay coils instead of cording. Crayola Model Magic provides an excellent raised surface, and when adhered directly to the warp of a weaving, creates raised patterns on the woven surface. Some areas can be left unwoven to further create visual difference within the tapestry.

GRADES 3-12

Note: Instructions and materials are based upon a class size of 24 students. Adjust as needed.

Preparation

1. Cut acetate sheets into 3" x 7" pieces, need one per student.
2. Cut hemp into lengths of 40 feet, need one per student.

Process

1. Roll Model Magic into a coil approximately 1/4" in diameter and 12" long.
2. Shape a design with the clay coil. The shape will need to have at least three flat contact points to adhere to the warp after the piece is dry.



Materials (required)

Crayola Model Magic, White, 2 lb (33214-1002); share one package across the class

Trait-Tex Jumbo Roving Yarn, set of 9, 8 oz, 4-Ply, 85 yards (65214-1104); share one class pack

Hippie Hemp, 20lb, 380 ft (61532-8221); share three rolls across the class

Cardboard Looms, pkg of 12, 9 3/4" x 13" (65005-1098); one per student

Plastic Weaving Needle, 6" Long, pkg of 12 (65109-1009); one per student

Aleene's Quick Dry Tacky Glue (23884-1004); share one bottle among four students

Grafix Clear Acetate Sheets, 25" x 40" 0.003 Thickness (55501-1313); share two sheets across class

Creativity Street Wooden Dowel Rods, Package of 12 (60448-1412); share two packages across class

Optional Materials

Blickrylic Student Acrylic Paints, assorted colors and sizes (00711-)

Creativity Street Wood Beads, 1 lb (80937-1001)

Classroom Yarn Assortments, assorted colors, 5 lb (65208-1005); share two packages across the class

Ready to order materials?

Go to www.DickBlick.com/lesson-plans/dimensional-weaving to access a product bundle for your convenience.

Process, continued

3. Set aside and allow to dry fully.
4. To prepare the loom, use hemp cord for the warp. Loop it through the pre-made notches in the cardboard loom. The tabs may need to be bent slightly to open. Wrap the cord from left to right, looping from the front to the back, until all notches are utilized.
5. Slide a piece of acetate between the warp and the cardboard loom.
6. Apply glue to the back of the clay piece and press into the warp. The acetate sheet will prevent the piece from adhering to the cardboard.
7. When completely dry, remove the acetate sheet.
8. Choose a color of yarn, and thread it through the eye of the tapestry needle and begin weaving. Follow the pattern over one, under one, until the opposite side of the piece is reached. Turn around and continue the pattern as long as the color is desired.
9. Colors can be changed as often as one likes.
10. When weaving around the clay piece there is a choice of covering the clay, or weaving behind the clay piece.
11. Continue until the bottom of the loom is reached.
12. To tie off the top and bottom, simply cut the warp strings on the back of the loom. Starting with the top, tie one warp string to the one next to it using a square knot. Then tie off the bottom of the piece using the same method.
13. Attach to a wooden dowel to hang.

Options

- Use colored Model Magic, or paint the clay piece before weaving.
- Build multiple clay pieces to further the dimensional effect.
- Add beads, tassels and other embellishments.

National Core Arts Standards - Visual Arts

Creating

Anchor Standard 1: Generate and conceptualize artistic ideas and work.

Anchor Standard 2: Organize and develop artistic ideas and work.

Responding

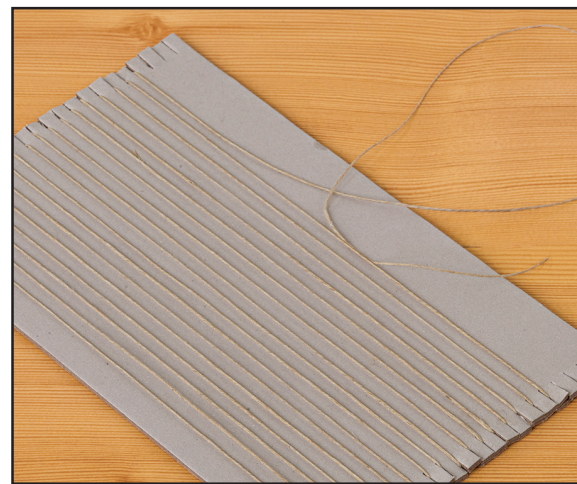
Anchor Standard 8: Perceive and analyze artistic work.

Connecting

Anchor Standard 10: Synthesize and relate knowledge and personal experiences to make art.

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Step 1: Wrap the warp onto the cardboard loom..



Step 2: Roll clay into logs and make a design.



Step 3: Weave.

