

Zoomy™ Fabric Patterns

Get Ready

Skills: Patterns

Grades: 3–4

Grouping:  Small Group
 Whole Class

Time:  10–15 Minutes

Materials: Zoomy™, different types of cloth, such as cotton, wool, burlap, and silk



Try It

Model

1. Ask students to look around the room and find patterns in what they see, such as the lines made by shades or the bricks in a wall. Have students describe the patterns with math terms, such as *parallel*, *perpendicular*, *intersecting*, *acute angles*, or *obtuse angles*. Make a list of the math terms they use.
2. Explain to students that much of the fabric we use to make our clothes is created by weaving very fine threads together and they will use math terms to describe the patterns formed in different types of fabrics.

Guide

3. Place the cotton cloth under the Zoomy. Have the students identify and write any patterns they see on the attached sheet. Encourage them to use accurate math terms. Take a snapshot of



the fabric. Repeat this process with the other samples of fabric.

4. Download all pictures to your computer and open and display them. Have students compare patterns in the fabrics using math vocabulary.



Assess

5. Have students use math terms they have listed during the activity and find similar patterns in other materials in the room. Students take pictures with Zoomy and label them with math terms.



Extend

6. Have students find or bring in different fabric samples and use Zoomy to investigate patterns in fabric, using math terms to describe patterns. Have students examine the patterns in a torn piece of fabric to see how the pattern is affected by a tear.

