

Fruity Patterns



Activity: Children will use math manipulatives and fruit to copy identical patterns and create their own patterns with at least two elements.

Objective

The children will use their eye-hand coordination to duplicate identical patterns with at least two elements.

V. Mathematical Thinking

V.C.1. Identifies and extends a simple AB repeating pattern.

V.C.2. Duplicates a simple AB pattern using different objects.

http://www.floel.org/standardsresource/standards.html#d=V&a=four_year_olds

Lesson

1. Cut the fruit into small pieces and place in small bowls
2. Make sure the ends of the skewers are not sharp. You may need to cur off the sharp-ened end.
3. Begin the lesson by reading *Zoe's Hat: A Book of Color and Patterns* to introduce the concepts of patterns. Follow the reading with a discussion to review the concepts pre-sented.
4. Create a simple pattern with at least two elements using the math manipulatives (e.g., red/yellow, red/yellow). Ask the children to describe the pattern and then copy the pattern using the same math manipulatives used by the teacher.
5. Allow the children to use the math manipulatives to create their own patterns and then describe the patterns.
6. Explain that now you will use fruit instead of math manipulatives to make fruity patterns.
7. Display the bowls of fruit and marshmallows.

Materials Needed

Assorted fruits (e.g., strawberries, apples, grapes cherries, pineapple, bananas, kiwi)
Sharp knife for cutting the fruit (adults only)
Marshmallows (optional)
Plates, forks and napkins
Wooden skewers with blunt tips (one per child)
Small bowls to hold fruit and marshmallows
Math manipulatives (e.g., small colored blocks, colored links or colored counters)
Book: *Zoe's Hat: A Book of Color and Patterns* by Sharon Lee Holms
Supplemental Book(s): *Fruits* by Sara Anderson

Checking for Understanding

Children will demonstrate their understanding of the lesson by:
using their eye-hand coordination to duplicate identical patterns with at least two elements.

Scaffolding

- Provide children who are struggling to identify a pattern with only 2-3 fruit options.
- Children who have shown mastery, may be ready to create a pattern using more than two elements.

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8. Show the children how to create a pattern using various pieces of fruit. Ask them children to help you describe the pattern.
9. Give each child a plate, a skewer and a plastic fork to use when choosing fruit.
10. Allow the children to create their own patterns. Ask each child to describe his/her pattern before eating the fruit.