

Pizza Patterns



Activity: Children will use variety of toppings to create a pattern on their individual pizza.

Objective

The children will recognize patterns and non-patterns and duplicate simple patterns with at least two elements.

V. Mathematical Thinking

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

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

Lesson

1. Cut the fruit, vegetables, and cheese into small cubes or thin strips and the pepperoni slices in half.
2. Place the fruit, vegetables, cheese, and pepperoni in small bowls.
3. Discuss with children what a pattern is and use paper cut-outs of the pizza toppings to create examples and non-examples of simple patterns (with at least two elements) on a small paper plate. Ask the children, "Is this a pattern or not a pattern?" "Can you tell me about (describe) the pattern?"
4. Show the children another pattern and ask them to copy it using the paper cut-outs of the pizza toppings.
5. Demonstrate how to spread the pizza sauce on half of an English muffin and create a simple pattern. Allow children to create a pattern on their own English muffin. Ask the children to describe their patterns.
6. Line the baking sheet with parchment paper.
7. Write each child's name beside his/her pizza as you place it on the baking sheet.
8. Bake at 350° until the cheese is melted.
9. As the children are eating, they can discuss how the patterns changed during cooking.

Materials Needed

English muffins, pizza sauce, mozzarella cheese, veggie toppings, fruit toppings, pepperoni slices, baking sheet, oven mitts, napkins, paper cutouts of various pizza toppings

Book: *What Do You Want on Your Pizza*, William Boniface

Checking for Understanding

Children will demonstrate their understanding of the lesson by:

- Recognizing patterns and non-patterns
- Duplicate simple patterns with at least two elements

Scaffolding

-Work with a small groups to create a "team pizza" providing opportunities for individuals to contribute to the patterns on the pizza.

Extensions

- Dramatic Play:** Provide pizzeria-related props (e.g., pizza boxes, paper cut-outs of dough, and toppings).
- Reading/Literacy:** Include books with pizza related themes.
- Art:** Add a variety of materials that can be used to make patterns (e.g., construction paper, yarn, packing peanuts).