

# Dog Bone Patterns



## Suggested Group Size

Small Group

## Objective

The children recognize a pattern unit. Children will order, compare, and describe objects according to size.

## Activity

Children will use dog bone treats to create a pattern. Children will also order, compare, and describe dog bone treats according to size.

## Targeted Florida Early Learning and Developmental Standards for Four-Year-Olds

- **V. Cognitive Development and General Knowledge**
  - **A. Mathematical Thinking**
    - **c. Patterns and Seriation**
      - **A.c.1.** Understands characteristics of patterns and non-patterns and begins to reproduce them with at least two elements (e.g., red/blue, red/blue versus a non-pattern like a rainbow)
        - **A.c.1.c.** Child recognizes pattern units (e.g., red/blue is the pattern unit of a red/blue/red/blue/red/blue pattern; dog/cat/cow is the pattern unit of a dog/cat/cow/dog/cat/cow pattern).
      - **A.c.2.** Sorts, orders, compares, and describes objects according characteristics or attribute(s) (seriation)
        - **A.c.2.a.** Child places objects in increasing order of size where the increasing unit is constant (e.g., unit blocks).
        - **A.c.2.b.** Child verbalizes why objects were placed in order (e.g., describes process of how and why), with teacher support and multiple experiences over time.

## Materials

- One bag of small dog bone treats
- One bag of medium dog bone treats
- One bag of large dog bone treats
- White strip of drawing paper (for each child)
- Glue
- Crayons
- Pencils

## Procedures

1. Discuss with children what a pattern is and use the small and large dog treats to create examples and non-examples of simple patterns. Ask the children, “Is this a pattern or not a pattern? Can you tell me about (describe) the pattern?”
2. Show the children how to order, compare and describe a patterns with dog bone treats of the same color and different sizes (e.g., small/medium/large or large/medium/ small). Ask the children, to help you describe the patterns.
3. Allow children to create their own pattern using the dog bone treats. Ask the children to describe their patterns then glue them on the strip of drawing paper.

## Adaptations

- Have the children trace bone shapes on the drawing paper then color the bones to create their pattern.

## Extensions

- Donate the dog treats to a local animal shelter.

## Checking for Understanding

Children will demonstrate their understanding of the lesson by:

- recognizing pattern units (e.g., small/large; brown/green)
- ordering, comparing, and describing objects according to size.

## Related Standards for Four-Year-Olds

- **I. Physical Development**
  - **C. Gross Motor Development**
    - **C.2.** Demonstrates the ability to combine movements for gross motor skills
- **II. Approaches to Learning**
  - **A. Eagerness and Curiosity**
    - **A.1.** Shows curiosity and is eager to learn new things and have new experiences
- **III. Social and Emotional Development**
  - **B. Relationships**
    - **b. Peers**
      - **B.b.1.** Interacts with and develops positive relationships with peers

## **Related Standards for Four-Year-Olds (continued)**

- **IV. Language and Communication**
  - **A. Listening and Understanding**
    - **A.2.** Follows multi-step directions
      - **A.2.a.** Child achieves mastery of two-step directions and usually follows three-step directions, with teacher support and multiple experiences over time.