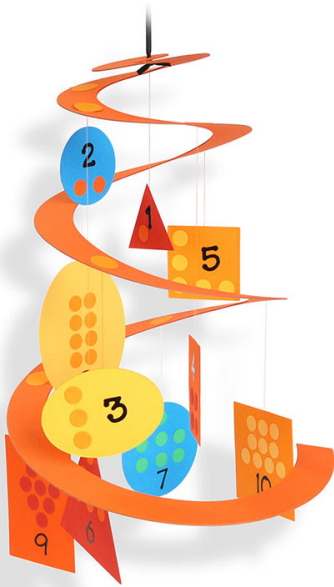


# Hang Ten Spiral

Create a spiral that showcases numbers and shapes.



Main

### COMMON CORE STATE STANDARDS

- Mathematics, Grade K: Counting & Cardinality
  - K.CC 4a. Understand the relationship between numbers and quantities; connect counting to cardinality. When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object.

### OBJECTIVE

- Students will use mobiles to associate numbers with quantities of objects, recognize polygons and classify shapes according to their attributes.

### BACKGROUND

The teacher can use this mobile to teach counting, number recognition, similar shapes and colors. Reinforce counting by changing the number of dots on each shape. Ask students to recognize real-world examples of shapes.

Challenge students to write numbers and demonstrate how many objects represent that number. Have students classify shapes according to size and attributes.

### MATERIALS

#### Ellison Machine Choices

Ellison Big Shot Pro Machine  
AllStar SuperStar Machine

#### Ellison Dies Used

Ellison SureCut Die - Spiral LG  
Ellison SureCut Die Set - Dominoes (2 Die Set) LG  
Ellison SureCut Die Set - Geometrics, Small (4 Die Set) SM  
Ellison AllStar Die - Domino Dots  
Ellison AllStar Die - Spiral  
Ellison AllStar Die Set - Math #1 (4 Die Set)  
Ellison AllStar Die Set - Math #3 (4 Die Set)

#### Materials and Tools Used

Adhesive Numbers  
Cardstock  
Fishing Line or Kite String  
Glue or Tape (Double-Sided)  
Hand Punch  
Ribbon  
Stickers  
Tag Board

#### Video

Ellison Education Series - Hang Ten

### INSTRUCTIONS

- **The teacher will die-cut the materials for student use prior to the lesson.**
1. Die-cut a Spiral from tag board. Punch five or six evenly spaced holes on the Spiral for hanging shapes using a 1/16" hand punch.
  2. Cut an 8" length of ribbon. Fold the ribbon in half and make a large knot with the two ends. Pull the ribbon from the underneath, through the center hole in the Spiral until the knot is tight against the Spiral. Use the ribbon to hang the mobile.
  3. Die-cut shapes from construction paper or cardstock. Paper may be laminated prior to cutting for durability.
  4. Die-cut Domino Dots and adhere to each shape. Adhere the number that represents the quantity of Dots on each shape.
  5. Cut various lengths of fishing line, kite string or heavy thread. Tape one end of each piece of string to each shape.
  6. Pull the other end of the string through a hole in the Spiral. Place a sticker over the string and hole to secure the string in place (See Main Photo).