Today we’re going to play some games with patterns, okay? I just want to see if you can help me solve some pattern puzzles I brought with me. Let’s try one.

1. EXTEND Outdoors
   1a. Take out the first pattern worksheet (#1) and laminated response options out of Ziploc bag 1 (flower, umbrella, rain cloud, kite, and sun) and arrange them in a random order in the empty space at the bottom of the page (when oriented horizontally). Then show the child the first pattern item on the first page (umbrella, umbrella, flower…). Say:

   Use the matching pictures below [Gesture to the response option pictures] to complete each pattern [Gesture to the box on the right of pattern]?

   Scoring: 1 if child completed the patterns with the correct picture (flower), 0 if umbrella or any other shape.

   1b. Return the picture(s) the child used to the line of pictures at the bottom of the page. Repeat the same script but pointing to the second pattern (flower, kite, rain cloud, flower, kite).

   Put the pictures back into the Ziploc bag.

2. COMPLETE Beads
   2a. Take out the second pattern worksheet (#2) and laminated response options (yellow, dark blue, light blue, green, orange bead pictures) out of Ziploc bag 2 and arrange them in a random order in the empty space at the bottom of the page (when oriented horizontally).

   Say:

   Using the beads below [Gesture to the response options] can you fill in the string of beads to complete their pattern [Gesture to the empty box within the pattern]?
2b. Return the picture(s) the child used to the line of pictures at the bottom of the page. Repeat the same script but pointing to the second pattern (light blue, green, BLANK, light blue, green, orange).
   Scoring: 1 if child completed the patterns with the correct picture (orange bead), 0 if light blue bead or any other bead.
2c. Return the picture(s) the child used to the line of pictures at the bottom of the page. Repeat the same script as above, but pointing to the third pattern (dark blue, light blue, light blue, dark blue).
   Scoring: 1 if child completed the pattern with the correct picture (light blue bead), 0 if light blue bead or any other bead.

Put the beads back into the Ziploc bag.

3. EXTEND M&M’s
3a. Take out the third pattern worksheet (#3) and laminated response options out of Ziploc bag 3 (4x Red, yellow, green, & blue M&M’s) and arrange them in a line by color in random order in the empty space at the bottom of the page (when oriented horizontally). Then show the child the first pattern item on the first page (umbrella, umbrella, flower…).
   Say:
   Can you keep my pattern of M&M’s going the same way I would [Gesture to the circles on the right of pattern.] You won’t need to use all the pictures.
   Scoring: 1 if child completed the patterns with the correct picture (Yellow, red, yellow, red), 0 if any other series of M&M’s.
3b. Return the picture(s) the child used to the groups of pictures at the bottom of the page. Repeat the same script but pointing to the second pattern (Blue, blue, red, red, blue, blue).
   Scoring: 1 if red, red, blue, blue, 0 if any other arrangement of M&M’s.
3c. Return the picture(s) the child used to the groups of pictures at the bottom of the page. Repeat the same script but pointing to the second pattern (Blue, red, green, Blue, red, green).
   Scoring: 1 if blue, red, green, blue, 0 if any other arrangement of M&M’s.
Put the M&M’s back into the Ziploc bag.

4. ABSTRACT TO SHAPE ABAB and ABBBA
4a. Take out the fourth pattern worksheet (#4) Place the source set of 8 butterflies and and 8 bananas in 2 lines in the empty space at the bottom of the page (when oriented horizontally). Say:
   I made a pattern with these pictures. [Gesture to model pattern with pawns and eggplants.] Can you make the same patterns I made but with your pictures [Gesture to the empty boxes below the model pattern]?
   If the child tries to make the pattern directly above your pattern, move the beginning of their pattern to the blank boxes below the model pattern and remind them:
   Make your pattern down here.
   If the child stops before finishing the first unit of the pattern, say:
   Can you keep going?
Put the pictures back into the Ziploc bag.
4b. Keep out the fourth pattern worksheet (#4) but place the source set of 8 ducks and 8 strawberries in 2 lines in the empty space at the bottom of the page (when oriented horizontally).

Say:

I made a pattern with these pictures. [Gesture to model pattern.] Can you make the same patterns I made but with your pictures [Gesture to the empty boxes below the model pattern.]

If the child tries to make the pattern directly above your pattern, move the beginning of their pattern to the blank boxes below the model pattern and remind them:

Make your pattern down here.

If the child stops before finishing the first unit of the pattern, say:

Can you keep going?

Put the pictures back into the Ziploc bag.