

# Mrs. Shea's Kindergarten Class

## Introduction to 2D Shapes

December 2023

*(on board: magnets of a circle, an oval, a square, a rectangle, a triangle, and a hexagon)*

**Mrs. Shea:** What do you know about shapes?

**Student 1:** An oval is a circle that looks more like an egg. Stretched.

**Student 2:** A rectangle is a stretched square.

**Student 3:** A trapezoid is a half a hexagon... like you can put two together.

**Mrs. Shea:** Wow! It sounds like you're saying we can put shapes together to make other shapes!

**Student 3:** Yeah!

*(Mrs. Shea replaces shape magnets with pattern block magnets on the board)*

**Mrs. Shea:** Let's see what happens! Can we make the trapezoids into a hexagon?

*(Mrs. Shea puts two trapezoids together to make a hexagon)*

**Student 4:** The triangles! The triangles!

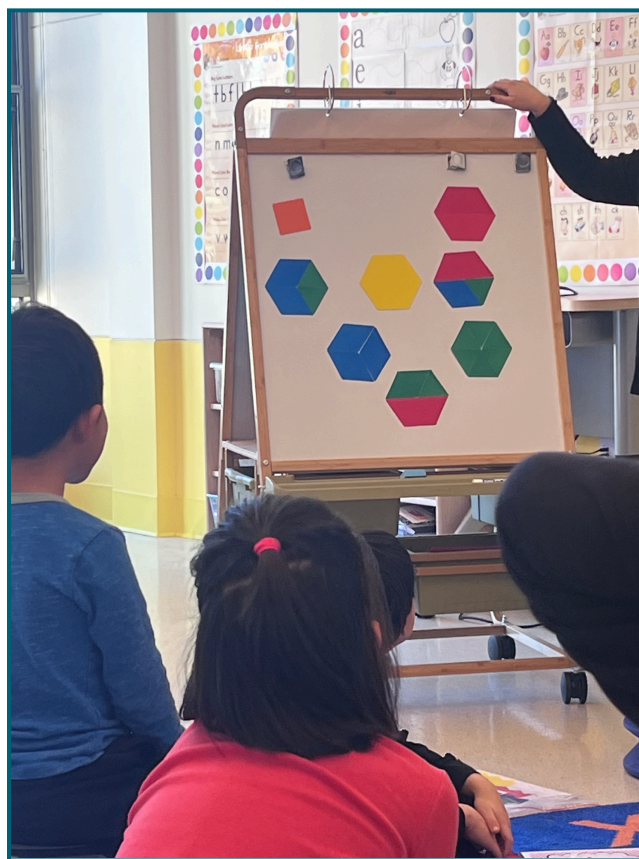
*(Mrs. Shea puts six triangles together to make a hexagon)*

*(Students start calling out shapes to use.)*

**Mrs. Shea:** What about if we use one hexagon?

*(Mrs. Shea put one trapezoid to the side, and then shrugged)*

**Student 5:** All triangles!



**Mrs. Shea:** How many triangles? Paul?

**Student 1 (Paul):** Three triangles!

**Mrs. Shea:** Is that the only way that we can do it?

*(students calling out different ways)*

**Mrs. Shea:** What do you think, Max?

**Student 6 (Max):** A trapezoid and a triangle and a blue one.

**Mrs. Shea:** Yes, that works! What do we call the 'blue one'? The blue pattern block?

**Student 5:** A diamond.

**Mrs. Shea:** Yes, but there's another name...

**Student 3:** A rhombus.

**Mrs. Shea:** Yes! In KShea, we're going to call it a rhombus. Are there any other ways?

*(students calling out more ideas)*

**Mrs. Shea:** But wait... there's more! I feel like I'm on an infomercial. There are so many possibilities.

**Student 7:** But what about the poor square?

**Student 3:** I don't think it'll ever work.

**Mrs. Shea:** Why not?

**Student 3:** It doesn't feel right.