



A Serving of Shapes & Colors

Primary Grades Learning Plan—(1.5 hours)

CARD #1 (Front)

Overview:

1. Review and Discover shape names and definitions
 - a. Circle = all points equal from the center
 - b. Triangle = three sides and three angles
 - c. Square = quadrilateral (4 sides) equal with angles of 90 degrees
 - d. Parallelogram (Rhombus) = quadrilateral (4 sides) with 2 pairs of parallel lines equal in length
 - e. Trapezoid = has one pair of parallel lines and four sides
 - f. Hexagon = six sides
 - g. Oval = shaped like an egg
 - h. Star = has five points
 - i. Heart = has two curves on top
 - j. Flower = has lots of curves
2. Learn about **color, hue, and value**
 - a. Color = a pigment or dye
 - b. Hue = a color's name
 - c. Value = a color's lightness or darkness
3. Explore real-world examples of shapes and colors
4. Observe how Bridget Riley uses shapes and colors in her work
5. Create an art project using shapes

Supplies From Kit: (organized by learning plan section)

| Engage | Explore | Explain | Elaborate | Extend |
|--------|--|--------------------------|--------------------------|---|
| n/a | <u>Frog and Toad Are Friends: A Lost Button</u> book | Paper Plates | Pattern Blocks | <i>Big Blue</i> by Bridget Riley |
| | | Pattern Blocks & Buttons | Folders | <i>Movement in Squares</i> , by Bridget Riley (Postcards) |
| | | Bandanas | Color Hue & Value Charts | Buttons |
| | | Shape Cards | | Primary Art Project Sample |
| | | Color Hue & Value Charts | | |



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Supplies Provided by Consumer: (organized by learning plan section)

| Engage | Explore | Explain | Elaborate | Extend |
|--------|---------|---|-----------|---------------------------------|
| n/a | n/a | Chalk Board or White board or Flip Chart Paper (Optional) | n/a | White Paper (2 per participant) |
| | | Writing Utensil for above item (Optional) | | Construction Paper |
| | | | | Discarded Magazines |
| | | | | Pencils |
| | | | | Glue/Paste |
| | | | | Scissors |

Preparation:

- 1) Cut construction paper, discarded magazines, and other paper types into varying-width strips, but identical length. (Used in the Extend section.)
- 2) On a paper plate, place a combination of buttons and pattern blocks for a total of 6-8 items. We recommend putting a few unusual shapes, such as: trapezoid, parallelogram, hexagon, etc (Used in the Explain part.)
- 3) Set out piles of buttons and pattern blocks. (Used in the Explain part.)
- 4) Set out Builder/Architect signs. (Used in the Elaborate part.)
- 5) Read the Builder/Architect signs, so you are able to model the activity. Optional: Read the supplemental learning plan. (Used in the Explain part.)



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SHEET #2 (Front)

Engage: What Do You Know? (5 minutes)

Gather the participants together. Use these questions to have a discussion about shapes and colors.

What shapes do you know? Colors?

How do you know it is that shape?

Can you make any shapes with your hands?

Do you see any shapes around us? Colors?

Explore: Story Time (10 minutes)

Read book Frog and Toad Are Friends: A Lost Button. Encourage participants to listen for shape names and words that describe the shapes.

Note: Reading this book in the exhibit is possible, depending on group size.

Explain: Shapes & Colors (20 minutes)

Shapes

- 1) Discuss the shapes, and shape descriptive, words in the book.
- 2) Show the group the paper plate with the items on it you prepared before the session.
- 3) Give the participants 30 seconds to memorize the shapes on the plate.
- 4) Then cover up your plate with the bandana and pass out 1 plate to each participant.
- 5) Have the participants use the piles of buttons and pattern blocks put identical shapes on their plate, based on their memory of your plate. They can hide their plate using the bandana.
- 6) When they are done making an identical shape model on a plate, review shape names and definitions using the shape cards. (Optional: Record a drawing and shape name on a board/flip chart.)

Circle = all points equal from the center

Triangle = three sides and three angles

Square = four sides of equal length and all angles of 90 degrees

Parallelogram (Rhombus) = has four sides, with opposite sides parallel and equal in length

Trapezoid = has one pair of parallel lines and four sides

Hexagon = six sides

Oval = shaped like an egg

Star = has five points

Heart = has two curves on top

Flower = has lots of curves



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CARD #2 (Back)

- 7) Have the participants repeat the activity in pairs, each coming up with his/her own plate model, if time permits.

Color

- 8) Explain the meaning of color, hue, and value, showing the appropriate charts.
- 9) Review some pages in the book discussing color, hue, value, and how they impact the participants.

Elaborate: Exhibit & Architect/Builder (20 minutes)

Color

- 1) Pass out the color hue and value charts. In the exhibit, have participants look for examples of colors on the charts. Or, have all participants find something pink, dark blue, etc.

Shapes

- 2) In the exhibit, look for examples of shapes, and descriptive words. Have all participants find a circle, then a triangle, etc.
- 3) Model with one participant the Architect/Builder activity. (See signs or supplemental information.) In pairs, have participants complete the Architect/Builder activity.

Extend: (35 minutes)

- 1) Gather the participants together. Show pictures of Bridget Riley's work. Share brief life history and art genera. Have participants point out:
 - a. Shapes
 - b. Color hues and values
- 2) Introduce art project samples, and point out lines and shapes.
- 3) Have participants glue the paper strips onto the white paper, for background. Have participants trace and cut out 2 or 3 shapes using the buttons.
- 4) Then glue paper strips onto these shapes, cutting off any overhanging paper. Glue the shapes onto the background (from step #3). Have the participants describe the shapes and colors in their art work in pairs, or to the group.

Sources:

Build It Festival: Teacher's GEMS Guide by Philip Gonsalves & Janie Kopp