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Geometry

triangle  rectangle

Analyze characteristics

Geometry

triangle  rectangle

Analyze characteristics

Δ  □
Geometry

1. Analyze characteristics

- Recognize, name, build, draw, compare, and sort two- and three-dimensional shapes
- Recognize the shape: That’s the ________.
• Recognize, name, build, draw, compare, and sort two- and three-dimensional shapes

- 1-D
- 2-D
- 3-D

Geometry

1

Analyze characteristics

Give many examples of a shape

Tape shapes to door & rotate shapes every day
• Recognize, name, build, draw, compare, and sort two- and three-dimensional shapes

1. You want children to touch & play with shapes on walls

2. Why is that a circle and that is a square?

3. Build a triangle with these straws.
Geometry

- Describe attributes and parts of two- and three-dimensional shapes

**corner**

Geometry

- Describe attributes and parts of two- and three-dimensional shapes

**edge**

Geometry

- Describe attributes and parts of two- and three-dimensional shapes

**face**
Geometry

1. Analyze characteristics

• Describe attributes and parts of two- and three-dimensional shapes

point

decomposing

Geometry

1. Analyze characteristics

• Investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.
  - Give them a shape and scissors; make a new shape
Geometry

Analyze characteristics

- Investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.
- Hold up a 3D shape.

- Use the correct terms.

This is an:
Investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.

Use the correct terms.

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Geometry

2

• Describe, name, and interpret relative positions in space and apply ideas about relative position.

Specify Locations

The Playground Lesson

• Describe, name, and interpret direction and distance in navigating space and apply ideas about direction and distance.
Geometry

- Find and name locations with simple relationships such as “near to” and in coordinate systems such as maps.

Specify Locations

A

B

C

1

2

3

A B C D E F G H

1

2

3

4

5

6

7
Geometry

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- Recognize and apply slides, flips, and turns

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Geometry

- Apply transformations
  - Recognize and apply slides, flips, and turns
Geometry

3

- Recognize and create shapes that have symmetry.

A B C D E
H I K M O
T U V W X

Geometry

- Apply transformations

- Recognize and create shapes that have symmetry.

- Use visualization, spatial reasoning, and geometric modeling to solve problems

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- Use visualization, spatial reasoning, and geometric modeling to solve problems
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Geometry

- Use visualization
- Create mental images of geometric shapes using spatial memory and spatial visualization

Geometry

- Use visualization
- Create mental images of geometric shapes using spatial memory and spatial visualization
Geometry

- Use visualization

• Recognize and represent shapes from different perspectives

Left?
• Relate ideas in geometry to ideas in number and measurement

Geometry

Use visualization

• Recognize geometric shapes and structures in the environment and specify their location.
### Geometry

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### Book Sharing

- Read the book for us.
- Share the math concepts you can find in it.
- Tell us the math standards.

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### Group Presentation

- 15 music
- 17 outdoors
- 19 movement
Midterm

- processing strands
- content strands
- components of each strand
- assessment principles
- 5 research models
- strategies to use with EL learners
- 2-D and 3-D shapes

Journal

Prior to participating in this class today, what was your understanding of “geometry”? Identify two new concepts you learned today regarding the geometry strand. Explain how you can use this new knowledge to enhance learning in the pre-k through second grade classrooms.