

Dear Parents,

We will begin our next unit of study in math soon. The information below will serve as an overview of the unit as you work to support your child at home. If you have any questions, please feel free to contact me. I appreciate your on-going support.

Sincerely,

Your Child's Teacher

## Unit Name: 2D Figure Attributes

### Common Core State Standards:

**5.G.3** Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category. *For example, all rectangles have four right angles and squares are rectangles, so all squares have four right angles.*

**5.G.4** Classify two-dimensional figures in a hierarchy based on properties.

### Essential Vocabulary:

- acute triangle
- right triangle
- obtuse triangle
- scalene triangle
- isosceles triangle
- equilateral triangle
- hexagon
- octagon
- parallelogram
- polygon
- quadrilateral
- rectangle
- rhombus
- kite
- square
- right trapezoid
- isosceles trapezoid
- circle
- regular polygon

### Unit Overview:

In this unit students are expected to reason about the attributes (properties) of shapes. Students should be able to provide examples and non-examples of shapes. The term “trapezoid” may have two different meanings. North Carolina has adopted the exclusive definition: A trapezoid is a quadrilateral with exactly one pair of parallel sides. With this definition, a parallelogram is not a trapezoid. Students’ work with geometry builds on what they learned in 4th grade.

### Strategies/Skills:

Students will identify and construct various polygons based on attributes provided using Geoboards and geoboard paper. They will compare polygons and look at the relationships between the shapes. Students are expected to create hierarchy diagrams to show the relationships polygons have to one another.

- Geoboards
- Geoboard paper

### Video Support:

- No videos referenced for this unit.

### Additional Resources:

If you have limited/no internet access, please contact your child’s teacher for hard copies of the resources listed in this document.

- NCDPI Unpacking Document: [5<sup>th</sup> Grade Unpacking Document](#)