

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: Shapes

Common Core State Standards:

2.G.1 Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.

Essential Vocabulary:

- attribute (feature)
- angle
- side
- triangle
- quadrilateral
- square
- rectangle
- trapezoid
- pentagon
- hexagon
- cube
- face
- edge
- vertex
- surface
- figure
- shape
- closed
- open
- circle
- sphere
- half-circle
- quarter-circle
- cone
- prism
- cylinder
- trapezoid

Unit Overview:

Students describe and analyze shapes by examining their sides and angles. Students investigate, describe, and reason about decomposing and combining shapes to make other shapes. Through building, drawing, and analyzing two- and three-dimensional shapes, students develop a foundation for understanding area, volume, congruence, similarity, and symmetry in later grades.

Strategies/Skills:

Second Grade students identify (recognize and name) shapes and draw shapes based on a given set of attributes. These include triangles, quadrilaterals (squares, rectangles, and trapezoids), pentagons, hexagons and cubes. Students will be successful with this unit if you can help them practice the vocabulary for the different shapes. Engaging them in discussions about the attributes of the shapes around them will help them strengthen their speaking and listening skills.

Please Note: North Carolina has adopted the following definition of a trapezoid: A trapezoid is a quadrilateral with exactly one pair of parallel sides.

Video Support:

No videos are 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 Additional Resources](#)
- Please visit the Kahn Academy website at www.khanacademy.org for additional videos and activities. Look under the *Early Math* tab.
- Please visit the Learn Zillion website at www.learnzillion.com to find 2nd Grade math lessons and videos that align with Common Core Standards.

Wake County Public Schools, Unit Overview for Parents

This document should not replace on-going communication between teachers & parents.

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Questions to Ask When Helping Your Child with Math Homework

Keep in mind that homework in elementary schools is designed as practice. If your child is having problems, please let the classroom teacher know. When helping your child with his/her math homework, you don't have to know all the answers! Instead, we encourage you to ask probing questions so your child can work through the challenges independently.

- What is the problem you're working on?
- What do the directions say?
- What do you already know that can help you solve the problem?
- What have you done so far and where are you stuck?
- Where can we find help in your notes?
- Are there manipulatives, pictures, or models that would help?
- Can you explain what you did in class today?
- Did your teacher work examples that you could use?
- Can you go onto another problem & come back to this one later?
- Can you mark this problem so you can ask the teacher for an explanation tomorrow?