

2nd Grade Online Lesson

Geometric Understanding

Teacher: Ms. Tucker

Email Address: Ctucke10@my.westga.edu

Office Hours: Tuesday and Thursday 9am to 11am.

Phone: 000-000-0000

Instructional Goals:

The goal for the course is for students to be able to describe different geometric shapes. Students should be able to identify and describe the attributes of all 2D shapes. After identifying the shapes, students should be able to partition the shapes into equal amounts.

Standards that will be taught:

MGSE2.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.

MGSE2.G.3 Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.

Objectives:

- Identify 2D shapes by the number of sides and angles they have.
- Describe the difference between quadrilaterals and polygons.
- Explain the vocabulary terms halves, thirds, and fourths, while also being able to identify the different fractions.

When the course is over all students should be able to answer the following questions:

- How can I identify 2D shapes based on their attributes?
- How can I compare and contrast 2D shapes?
- How can I use equal parts to partition shapes into halves, thirds, or fourths?

Expectations:

- Students should complete the work within the course themselves. Other people should not complete student work. Copied work will result in the failing grade of an F for the course.
- Be engaged! Students should spend 30-45 minutes a day working on the lesson for two weeks.
- Students will need access to technology such as a computer, Chromebook, or laptop to complete this lesson. Students will also need all of the following to complete the lesson with success:
 - Internet Access
 - PowerPoint, Word, Google Docs, or Google Slide.
 - Access to log in and work through Canvas
 - ClassLink Access (this can be obtained by emailing me for your school code if you do not already know it.)

Time Frame:

Students should spend 30-45 minutes a day working on the lesson for two weeks. The class schedule is below:

Welcome Module Day 1 (Monday)	-Flip Grid Introduce Yourself -Syllabus -Familiarize yourself with the course.
Module 1- Week 1 Geometric shapes and their attributes	Activity 1: Tuesday -BrainPop Jr. video Plane Shapes -BrainPop Jr. Quiz Activity 2: Wednesday and Thursday -BrainPop Jr. Videos Polygon and Quadrilateral -Venn Diagram Practice

	-FlipGrid Discussion Activity 3: Friday -Module 1 Assessment
Module 2- Week 2 Partitioning Shapes	Activity 1: Monday -Video: Fraction Song -Padlet Discussion -Equal Parts Game Practice Activity 2: Tuesday and Wednesday -Give Me Half Video -Equal Parts Discussion -Parts of a Whole BrainPop Jr. Video. -Padlet Discussion: Halves -Practice Game: Fraction Slices -Halves, Thirds, Fourths Discussion Activity 3: Thursday -Module 2 Assessment: Fractions Quiz
Final Assessment Last Day (Friday)	Final Assessment

Grades:

All assignments are due by the last day of the lesson. All assignments must be completed by the last day or a failing grade of 0 will be placed into the grade book.

The class average will be based on the score below:

90-100= A

80-89.99= B

70-79.99= C

Anything below a 70 is failing.

Course assignments and quizzes will be weighed as percentages of 100:

Shapes Quiz	10 points
FlipGrid: Quadrilateral and Polygons	10 points
Equal Parts Discussion	10 points
Padlet: Halves Post	10 points
Fractions Quiz	10 points
Halves, Thirds, Fourths Discussion	10 Points
Module 1 Assessment:	20 points
Final Assessment	30 points
Total Score:	110 Points

Course Summary:

Date	Details
Fri Jan 3, 2020	Assignment <u>Equal Parts</u> due by 11:59pm
	Assignment <u>Fractions Quiz</u> due by 11:59pm
	Assignment <u>Halves, Thirds, Fourths Discussion</u> due by 11:59pm
	Assignment <u>Shapes Quiz</u> due by 11:59pm
	Assignment <u>Final Assessment</u> due by 11:59pm
	Assignment <u>FlipGrid- Quadrilateral and Polygon</u> due by 11:59pm
	Assignment <u>Module 1 Assessment</u> due by 11:59pm
	Assignment <u>Padlet: Halves</u> due by 11:59pm