



NCEA Math Lesson Plan

Grade: 1

Subject: Mathematics

Domain: Geometry
Standard Number(s) and Description: 1.G.1 Distinguish between defining attributes versus non-defining attributes; build and draw shapes to possess defining attributes. 1.G.2 Compose two-dimensional shapes to create a composite shape, and compose new shapes from the composite shape.
Vocabulary to be Highlighted: Sides, angles, two dimensional, defining attributes, triangle, quadrilateral, pentagon, hexagon
Mathematical Practices (#): 1. Make sense of problems and persevere in solving them. 3. Construct viable arguments and critique the reasoning of others. 6. Attend to precision. Essential Questions: How does geometry better describe objects?
Materials/Tools (include technology): YouTube "Greedy Triangle" book by Marilyn Burns Shapes Geoboards Glue Scissors
Connections to Other Math Domains:
Connections to Other Subject Areas: English Language Arts/Reading
Catholic Identity Component: Be happy with who you are. God made you. Psalm 119:73 Your hands have made me, cunningly fashioned and established me; give me understanding, that I may learn Your commandments. Psalm 139:13-18 For You did form my inward parts; You did knit me together in my mother's womb. I will confess and praise You for You are fearful and wonderful and for the awful wonder of my birth! Wonderful are Your works, and that my inner self knows right well. My frame was not hidden from You when I was being formed in secret [and] intricately and curiously wrought [as if embroidered with various colors] in the depths of the earth [a region of

darkness and mystery].

Resources (attachments):

YouTube “The Greedy Triangle”

Activities/Timeline:

1. Introduce vocabulary, post on vocabulary board
2. You Tube movie-- “Greedy Triangle” reading with students
3. Catholic connection: God made us. We should be happy with who we are and become the best person we can be in order to honor God’s creation. We have special attributes that make us who we are.
4. Discuss the attributes of polygons
5. Students work with partners on geoboards to create the shapes: triangles, quadrilaterals, pentagons, and hexagons
6. Draw, and cut out shapes. Glue them on to another paper and create an everyday object using that shape as its base. Write words that tell what you know about the shape you drew.

Formative Assessment (what to look for, how/when to look):

Observe geoboard activity

Summative Assessment:

Draw, cut, paste activity, write what you know about the shape you drew (attributes).