Chancellor Cochran

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Mr. Anguiano

Secondary Methods

**Standard: CCSS 6.G.1**

Solve real-world and mathematical problems involving area, surface area, and volume.

1. Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

**Activities**

* Jelly beans
	+ Guess how many jellybeans are in the can using volume of bean and can
	+ Students work in groups to guess the amount of beans in the jar
	+ Student present their findings and their methods that they used
	+ Students who are closest get first pick of beans
* Build a house
	+ Students will be put in to groups
	+ Each group has to build a house with specific volume and area standards
	+ Give students different dimensions
		- Students need a house, garage, lawn etc.
		- Students will make a model of their house and present it to the class
		- Students can use any materials to build their to scale model of the house
* **http://www.shodor.org/interactivate/activities/SurfaceAreaAndVolume/**

**Techniques Used:**

Groups: students will work together in organized groups in order to fulfill standard needed.

Manipulatives: students will have objects and models in order to enhance learning and understanding such as the jellybeans and house models.

Movement: Students will construct a model working together in order to represent their house.

Visuals: students will use interactive models online to better understand the relationship between area and volume.