Date: 3/14/16 – 3/18/16	**Grade: 6th**	**Subject: Math**

CCGPS:
MGSE6.G.2 Find surface area of right triangles, other triangles, 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   MGSE6.G.2 Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths (1/2 u), and show that the volume is the same as would be found by multiplying the edge lengths of the prism. **MGSE 6.G.4** Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems.

MGSE6.SP.4.Display numerical data in plots on a number line, including dot plots, histograms, and box plots

Essential Question:
How do you find the area of rectangles and triangles?
How do I break apart composite figures to find their area?
What is the best way to organize a set of data?
What kinds of graphs will best represent a given set of data?
How can I describe the center of a set of data?
How can I decide which measure of center (i.e., mean or median) best describes the data?
How can I describe the spread of a set of data?

Preview Skill / Vocabulary:
Expression, equations, solve, inverse operation, variable, simplify

Activating Learning Strategies: | **Cognitive Teaching Strategies (the actual lesson):**

___ LINK

___ KWL

___ Survey

___ First Word
___ Word Map

___ Word Splash
___ KWL Plus

___ Structured Notes

___ Possible Sentence

___ Concept Map

___ Frayer Model
___ Anticipation Guide

___ Draw and Picture
___ Directed Rdg/Thinking Act

___ 5-3-1

__ Think-Pair-Share

_X_ Vocab. Overview
___ Brainstorm

___ Brainstorm & Category
___ Circle Map
___ Other _____

___ Lecture

___ Reading

_X_ Model

___ Mind Map
___ Other _____

_X_ Graphic Organizer
___ Pictograph

_X_ Diagram

___ Visual Chain

___ Poems, Rhymes, Lyrics
___ Acronyms/Word Links

_X_ Hands-on

	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Procedural Content – Application / Activity	Reg – Continue working on Area of Composite figures + Problem Solving

ADV- Discuss difference between Measures of Center and Measures of Variation
https://www.youtube.com/watch?v=XVP4seIzW-U
ABSOLUTE MEAN DEVIATION | Reg- Review finding the area of rectangles, parallelograms, triangles, trapezoids, and composite figures

ADV – Chapter 14 Review – Ready to go on? In textbook. | Reg- Assessments on finding area - use nets to learn about surface area / construct 3d shapes from nets

ADV Interpret and create histograms, stem and leaf, and dot plots | Reg – rectangular and triangular prisms

ADV – Hands On – Use a Survey to Collect Data | Reg- Rectangular and Triangular pyramid surface Area

ADV – Describing whether data is/is not symmetrical about the center and if the measure of center is equal. |

W Reteaching, Enrichment, Acceleration:, small group reteach as needed, Challenge and extension worksheets/activities	**Assessment:** ___ Rubric ___ Other ___ Lab Analysis	_X_ Questioning _X_ Informal	**Differentiation: level worksheet, differentiated teaching strategies, modified number range**

Summarizing:	_X_ Ticket Out the Door ___ The Important Thing	___ Study Cards ___ Exit Cards	___ 3-2-1 ___ Learning Log	___ + - Interesting _X_ Teacher Questions	___ Pass out of class ___ Other _____

Extending and Refining:

___ Cause and Effect	___ Compare and Contrast	_X_ Analyzing	___ Inductive Reasoning
__ Classifying	___ Writing Prompt	_X__ Error Analysis	___ Deductive Reasoning
___ Abstracting	___ Constructing Support	___ Other	