**Level 6 Math Syllabus**

**Quarter 3**

Ms. Katie

Monday-Friday 11:00 am-12:30 pm

***Introduction to Class***

In this quarter’s math class, students will be focusing heavily on Geometry and Statistics. Students will learn how to find the area of triangles, volume of rectangular prisms, and surface area of rectangular prisms. In the area of statistics, students will learn how to conceptualize different values and how to apply it to real life scenarios. Students will learn how to graph items on a coordinate plane and use graphs in order to estimate future data.

If you would like to look at the 6th Grade Math Standards, visit the website below:

http://www.corestandards.org/Math/Content/6/NS/

This class’s main goal this quarter is to give student’s a concrete understanding of geometry and statistics at the current level, specifically looking at an introduction to formulas and how to use them and how to estimate future values based on a given trend. Students will work intensively with concrete objects and visuals, and will be tested on material that is expected to be mastered based on the progression of their group work/performance. Different students will perform and learn new material in different groups that are changing all the time depending on the student’s specific needs.

***Important Dates:***

*Test on volume, area of triangles, and surface area***: Friday, February 12**

*Test on statistical questions, data sets, and coordinate planes***: Friday, March 11**

***Grading Policy***

Students will as of now be receiving letter grades in all classes. In all of my classes, the most heavily graded material is in-class projects, assignments, and tests. Homework is a part of that grade, however, homework is not graded for accuracy it is graded for completion. For example, if a student turns in homework that is fully completed with maximum effort, then they will receive full points. If a student turns in homework that is partially completed with minimal effort, they will receive partial points, and if a student does not turn in their homework they will receive a 0 for the homework assignment. Having a 0 in an average for a grade can negatively impact a student’s grade. Typically, if a student has received an “A” for every assignment in the class and has one zero, that can possibly bring their grade down one full letter grade.

In this class specifically students will be graded on:

* Class Projects (Specific Content Presentations) 35%
* Classwork (Demonstrated Effort in small groups/completion of in-class assignments) 25%
* Individual Tests 20%
* Homework 20%

***Standards/Content Covered***

The following standards and content will specifically be covered in this class:

***Week 1****: January 25-January 29:* Introduction to volume and area of triangles ([CCSS.MATH.CONTENT.6.G.A.1](http://www.corestandards.org/Math/Content/6/G/A/1/), [CCSS.MATH.CONTENT.6.G.A.2](http://www.corestandards.org/Math/Content/6/G/A/2/))

***Week 2:*** *February 1 – February 5:* Working with volume and area of triangles whole group activities, introduction to surface area, small group interventions ([CCSS.MATH.CONTENT.6.G.A.4](http://www.corestandards.org/Math/Content/6/G/A/4/), [CCSS.MATH.CONTENT.6.G.A.1](http://www.corestandards.org/Math/Content/6/G/A/1/), [CCSS.MATH.CONTENT.6.G.A.2](http://www.corestandards.org/Math/Content/6/G/A/2/))

***Week 3****: February 8 – February 12:* Finish up working with volume and area of triangles; **Test on volume, area of triangles, and surface area Friday, February 12**

([CCSS.MATH.CONTENT.6.G.A.4](http://www.corestandards.org/Math/Content/6/G/A/4/), [CCSS.MATH.CONTENT.6.G.A.1](http://www.corestandards.org/Math/Content/6/G/A/1/), [CCSS.MATH.CONTENT.6.G.A.2](http://www.corestandards.org/Math/Content/6/G/A/2/))

***Week 4:*** *February 16 – February 19:* Introduction to coordinate planes ([CCSS.MATH.CONTENT.6.G.A.3](http://www.corestandards.org/Math/Content/6/G/A/3/), [CCSS.MATH.CONTENT.6.SP.B.4](http://www.corestandards.org/Math/Content/6/SP/B/4/))

***Week 5:*** *February 22 – February 26:* Introduction to data sets, statistical questions ([CCSS.MATH.CONTENT.6.SP.B.4](http://www.corestandards.org/Math/Content/6/SP/B/4/), [CCSS.MATH.CONTENT.6.SP.A.1](http://www.corestandards.org/Math/Content/6/SP/A/1/), [CCSS.MATH.CONTENT.6.SP.A.2](http://www.corestandards.org/Math/Content/6/SP/A/2/), [CCSS.MATH.CONTENT.6.SP.A.3](http://www.corestandards.org/Math/Content/6/SP/A/3/))

***Week 6:*** *February 29 – March 4:* Working with data sets and statistical questions in whole group activities and small group interventions ([CCSS.MATH.CONTENT.6.SP.B.4](http://www.corestandards.org/Math/Content/6/SP/B/4/), [CCSS.MATH.CONTENT.6.SP.A.1](http://www.corestandards.org/Math/Content/6/SP/A/1/), [CCSS.MATH.CONTENT.6.SP.A.2](http://www.corestandards.org/Math/Content/6/SP/A/2/), [CCSS.MATH.CONTENT.6.SP.A.3](http://www.corestandards.org/Math/Content/6/SP/A/3/))

***Week 7:*** *March 7 – March 11:* Finish up working withdata sets and statistical questions in whole group activities and small group interventions;

**Test on statistical questions, data sets, and coordinate planes: Friday, March 11** ([CCSS.MATH.CONTENT.6.SP.B.4](http://www.corestandards.org/Math/Content/6/SP/B/4/), [CCSS.MATH.CONTENT.6.SP.A.1](http://www.corestandards.org/Math/Content/6/SP/A/1/), [CCSS.MATH.CONTENT.6.SP.A.2](http://www.corestandards.org/Math/Content/6/SP/A/2/), [CCSS.MATH.CONTENT.6.SP.A.3](http://www.corestandards.org/Math/Content/6/SP/A/3/))

***Week 8:*** *March 14 – March 18:* Scholar showcases, reflect on stats, coordinate planes, and geometry before parting for break ([CCSS.MATH.CONTENT.6.SP.B.4](http://www.corestandards.org/Math/Content/6/SP/B/4/), [CCSS.MATH.CONTENT.6.SP.A.1](http://www.corestandards.org/Math/Content/6/SP/A/1/), [CCSS.MATH.CONTENT.6.SP.A.2](http://www.corestandards.org/Math/Content/6/SP/A/2/), [CCSS.MATH.CONTENT.6.SP.A.3](http://www.corestandards.org/Math/Content/6/SP/A/3/), [CCSS.MATH.CONTENT.6.G.A.4](http://www.corestandards.org/Math/Content/6/G/A/4/), [CCSS.MATH.CONTENT.6.G.A.1](http://www.corestandards.org/Math/Content/6/G/A/1/), [CCSS.MATH.CONTENT.6.G.A.2](http://www.corestandards.org/Math/Content/6/G/A/2/))

***March 21- April 1:*** *Spring Break* ☺

***Contact Me***

Please feel free to contact me through email or phone at any time. I typically check my email during the week and receive email alerts throughout the weekend.

Email: ms.katie@academyoflit.org

Phone: (775) 737-4084, Monday-Friday 8:30am - 4:30pm