



Syllabus For DMS 6th Grade Math

Teacher(s): Mr. Lewis

Welcome to **6th Grade Math!** This syllabus shows a monthly breakdown of the standards your child will be taught, the objectives set forth to master those standards, and any major project or assignment that will assist in the mastery of those objectives.

We have completed this syllabus as a grade-level and content-area team in order to focus on consistency, and we have followed the state-approved blueprint. Specific weekly lesson plans will still be located on our school website:

www.dekalbmiddleschoolsaints.com . They will be listed under your child's grade and teacher, per subject.

Thank you! Let's have a phenomenal year!

2016-2017

❖ **August-**

✚ Standard - **Number Systems (6.NS.B & 6.NS.A)**

- Objective: I can divide multi-digit numbers.
- Objective: I can add, subtract, multiply, or divide multi-digit decimals.
- Objective: I can divide fractions by fractions.(fraction models)

❖ **September-**

✚ Standard - **Ratios & Rates (6.RP.A)**

- Objective: I can describe a ratio relationship between two quantities.
- Objective: I can express a unit rate using appropriate vocabulary.
- Objective: I can solve unit rate problems that involve unit pricing and constant speed.
- Objective: I can solve problems that involve finding the percent.

❖ **October-**

✚ Standard **Number Systems (6.NS.C)**

- Objective: I can represent positive and negative numbers
- Objective: I can recognize the opposite signs of numbers indicate locations on opposite sides of 0 on a number line.

- Objective: I can recognize that the opposite of the opposite of a number is the number itself.
- Objective: I can find and position integers and other rational numbers on a number line
- Objective: I can use positive and negative numbers to represent quantities in real-world contexts.
- Objective: I can understand ordering and absolute value of rational numbers.

❖ November-

✚ Standard Number Systems (6.NS.C)

- Objective: I can use rational numbers in real-world contexts.
- Objective: I can distinguish comparisons of absolute value from statements about order.
- Objective: I can solve problems by graphing points in all four quadrants of a coordinate plane.

❖ December-

✚ Standard Expressions and Equations (6.EE.A)

- Objective: I can identify parts of an expression using mathematical terms.
- Objective: I can evaluate expressions t specific values of their variables.
- Objective: I can perform operations in the conventional order when there are no parentheses to specify a particular order.

❖ January-

✚ Standard Expressions and Equations (6.EE.A)

- Objective: I can identify when two expressions are equivalent.
- Objective: I can substitute numbers to find out if a given number in a specified set makes an equation or inequality true.
- Objective: I can use variables to represent numbers and write expressions when solving problems.
- Objective: I can solve equations of the form $x + p = q$ and $px = q$ for cases in which p , q , and x are all nonnegative numbers.

❖ February-

✚ Standard Expressions and Equations (6.EE.A)

- Objective: I can write an inequality of the form $x > c$ or $x < c$ to represent a constraint or condition in a problem.
- Objective: I can use variables to represent quantities in a real-world problem that change in relation to each other.

❖ **March-**

✚ Standard **Geometry and Data (6.G.A)**

- Objective: I can apply the formulas $V = lwh$ and $V = bh$ to find volumes of right rectangular prisms.

❖ **April-**

✚ Standard **Geometry and Data (6.G.A)**

- Objective: I can explain the difference between a measure of center and a measure of variation for a numerical set of data.
- Objective: I can display numerical data in plots on a number line.
- Objective: I can summarize numerical data sets by giving quantitative measures of center and variability.

❖ **May- Review**