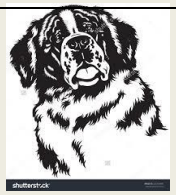

Syllabus For

DMS 8th Grade Math

Teacher(s): Mr. Poteete & Mrs. Hayes

Welcome to 8th 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 Review of Integer Operations
  - Standard Real Numbers
    - Objective: Adding, subtracting, multiplying, and dividing integers
    - Objective: Identify numbers as rational or irrational & order numbers
      - ✓ Major Project/Assignment: Math is Everywhere

- **September-**
  - Standard Solve Linear Equations
  - Standard Exponents and Scientific Notation
    - Objective: Solve equations with variables on both sides; solve equations with many solutions and no solution
    - Objective: Adding, subtracting, multiplying, and dividing exponents
      - ✓ Major Project/Assignment:

- **October-**
  - Standard Exponents and Scientific Notation
  - Standard Proportional Relationships
    - Objective: Scientific notation with powers both positive or negative; operations of scientific notation
    - Objective: Represent relationships as well as find slope and rate of change
      - ✓ Major Project/Assignment: Sci. Not. Pictogram

- **November-**
  - Standard Non-proportional relationships
  - Standard Writing Linear Equations
    - Objective: Finding slope and y-intercept; Using slope and y-intercept to graph from an equation
    - Objective: Writing linear equations (y= m x + b) from a table or graph
      - ✓ Major Project/Assignment:

- **December-**
  - Standard Functions
  - Standard Solving Systems of Linear Equations
    - Objective: Identifying and comparing functions; Analyzing functions on a graph
    - Objective: Solve by graphing, substitution, and/or elimination
      - ✓ Major Project/Assignment:

- **January-**
  - Standard Pythagorean Theorem
  - Standard Angle Relationships
    - Objective: Find missing side of triangle using Pythagorean theorem
    - Objective: Find measurements of parallel lines cut by a transversal
      - ✓ Major Project/Assignment:

- **February-**
  - Standard Transformations and Congruence
  - Standard Transformations and Similarity
    - Objective: Discover properties of translations, reflections, and rotations
    - Objective: Discover properties of dilations

- ✓ Major Project/Assignment:

- **March-**
  - Standard Volume
  - Standard Scatter Plots
    - Objective: Find volume of cylinders, cones, and spheres
    - Objective: Determine type of scatter plot; Find trend line for the scatter plot
      - ✓ Major Project/Assignment:

- **April-**
  - Standard Two-Way Tables
  - Standard Review
    - Objective: Determine two-way tables
    - Objective: Reinforcement of various topics throughout school year
      - ✓ Major Project/Assignment:

- **May-**
  - Standard Review
  - Standard Inequalities "9th grade intro."
    - Objective: Reinforcement of various topics throughout school year
    - Objective: Solve multi-step inequalities and graph
      - ✓ Major Project/Assignment:

Syllabus For

DMS 8th Grade Math

Teacher(s): Mr. Lewis

Welcome to 8th 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.

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Thank you! Let's have a phenomenal year!

2016-2017

- **August-**
  - Standard Review of Integer Operations
  - Standard Real Numbers
    - Objective: Adding, subtracting, multiplying, and dividing integers
    - Objective: Identify numbers as rational or irrational & order numbers

- **September-**
- Standard Exponents and Scientific Notation
  - Objective: Adding, subtracting, multiplying, and dividing exponents
    - ✓ Major Project/Assignment:

- **October-**
  - Standard Exponents and Scientific Notation

- Standard Proportional Relationships
  - Objective: Scientific notation with powers both positive or negative; operations of scientific notation
  - Objective: Represent relationships as well as find slope and rate of change

- **November-**
  - Standard Non-proportional relationships
    - Objective: Finding slope and y-intercept; Using slope and y-intercept to graph from an equation
    - Objective: Writing linear equations (y= m x + b) from a table or graph

- **December-**
  - Standard Functions
  - Standard Solving Systems of Linear Equations
    - Objective: Solve by graphing, substitution, and/or elimination

- **January-**
  - Standard Pythagorean Theorem
  - Standard
    - Objective: Find missing side of triangle using Pythagorean theorem

- **February-**
  - Standard Angle Relationships
    - Objective: Find measurements of parallel lines cut by a transversal

- **March-**
  - Standard Volume
  - Standard Scatter Plots
    - Objective: Find volume of cylinders, cones, and spheres
    - Objective: Determine type of scatter plot; Find trend line for the scatter plot

- **April-**
  - Standard Review

- Objective: Reinforcement of various topics throughout school year

- **May-**
  - Standard Review
    - Objective: Reinforcement of various topics throughout school year