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CC6 - 6th Grade Math - Syllabus

Mrs. Meyer & Ms. Grevan

Course Description:

The CC6 curriculum, Common Core 6th Grade Math, will help to develop skills in the main content areas including ratios and proportional relationships, the number system, expressions and equations, geometry, statistics and probability. These concepts will be connected to real world applications. We will be utilizing Ready Math curriculum in our classroom.

Mathematics Essential Standards

(based on Common Core Standards): By the end of Sixth Grade, students should be able to...

<u>Ratios and Proportional Relationships</u>	<ul style="list-style-type: none"> Analyze ratio concepts and use ratio reasoning to evaluate problems.
<p>6M_RP_LT32 I can use ratio and rate reasoning to solve real world problems. (6.RP.A.3) 6M_RP_LT33 I can find percent of a quantity as a rate per 100 and solve problems involving finding the whole, given a part and the percent. (6.RP.A.3c)</p>	
<u>The Number System and Rational Numbers</u>	<ul style="list-style-type: none"> Utilize and expand upon previous understandings of multiplication and division to divide fractions by fractions. Compute fluently with multi-digit numbers and determine common factors and multiples.
<ul style="list-style-type: none"> 6M_NS_LT1 I can solve word problems by computing and interpreting multi-digit (whole number, decimal or fraction) operations in a variety of ways. (6.NS.A.1) 6M_NS_LT6 I can solve real world problems by graphing points in all four quadrants (6.NS.C.8) 	
<u>Expressions and Equations</u>	<ul style="list-style-type: none"> Translate arithmetic expressions to algebraic expressions. Represent quantities using variables and evaluate one-variable equations and inequalities. Justify and analyze quantitative relationships between dependent and independent variables.
<p>6M_EE_LT10 I can read, write and evaluate algebraic expressions using order of operations in real world problems. (6.EE.A.2) 6M_EE_LT13 I can solve real world and mathematical problems by writing and solving equations. (6.EE.B.7) 6M_EE_LT15 I can interpret and graph an inequality in a real-world problem. (6.EE.B.8)</p>	
<u>Geometry</u>	<ul style="list-style-type: none"> Apply and extend previous understandings of numbers to the system of rational numbers and the coordinate grid. Evaluate real-world and mathematical problems involving area, surface area, and volume.
<ul style="list-style-type: none"> 6M_G_LT19 I can determine the area of all triangles, special quadrilaterals and polygons by composing or decomposing into other shapes. (6.G.A.1) 	
<u>Statistics and Probability</u>	<ul style="list-style-type: none"> Develop understanding of statistical variability. Investigate and compare distributions and measures of central tendency.
<ul style="list-style-type: none"> 6M_SP_LT41 I can interpret numerical data with number lines, dot plots, histograms, and box plots. (6.SP.B.4) 	

Required Materials:

½ inch 3 Ring Binder, WJH assignment notebook, pencils, colored pen for grading, dry erase markers, Calculator (Texas Instruments TI-30X IIS)

Assignment Policy:

- If assignments are not done on the day it is due they will get half credit. After one week of the due date, the assignment will be zero points.
- It is the student's responsibility to get any homework and/or tests missed because of absences and have it completed in a reasonable time as determined by the teacher and the student.
- Extra credit will NOT be accepted, when made available, if the student has any missing assignments.

Assessments/Grading:

Classwork/Projects/Participation/Homework...50% Assessments (Tests/Quizzes)...50%

Class Policies:

All classroom policies align with all school policies outlined in the Student Handbook.

Students are expected to...

- **Always come prepared to class.** Have an assignment notebook, pencils, erasers, folder, color pen, dry erase marker(s), calculator and your notebook EVERYDAY.
- **Raise your hand** and be recognized before talking.
- **Be Respectful** to others, fellow students as well as teachers, **Be Responsible** for you, and **Be Safe** at all times throughout the entire school year.
- Know that all of your **actions have consequences**. Remember, all school policies will be strictly enforced at all times.

Classroom Procedures are...

1. When you enter the classroom, sit at your assigned seat, get your binder out, any assignment from the previous night, pencil, eraser, any color pen for corrections, calculator, start on the opening activity, and complete any tasks that are on the board.
2. Be in your seat when class starts.
3. If you arrive late to class, you must have a pass or you will be sent to go and get one (tardy 3 times = detention)
4. Make sure your pencil is sharpened before class begins.
5. You will remain seated until you are dismissed.

Communication:

Communication between school and home is imperative for the success of our students. The following forms of communication are available:

1. Email and voicemail listed at the top of the syllabus.
2. OTUS - Where all assignments are posted daily, you can also view grades and see student progress.
3. Parent meetings – Call to schedule a meeting with one, a few, or all of your child's teachers during the school day.

Note to Parents:

Hopefully this information will be helpful for you and your child to have a successful year in math and your child will achieve his/her maximum ability. If you have any questions regarding any information given, please feel free to contact me. Your interest and support are *extremely* helpful.

Sincerely,

Mrs. Meyer & Ms. Grevan