**Community House Middle School**

**Mrs. Baxley**

**Team Fire**

**6th Grade Honors Mathematics**

The Mathematics curriculum is based on the Common Core State Standards:

**Ratios and Proportional Relationships**

* Compute unit rates associated with ratios of fractions
* Recognize and represent proportional relationships between quantities
* Use proportional relationships to solve multistep ratio and percent problems

**The Number System**

* Add and subtract rational numbers and represent them on a horizontal or vertical number line diagram
* Multiply and divide rational numbers
* Solve real-world mathematical problems involving the four operations with rational numbers

**Expressions and Equations**

* Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients
* Understand that rewriting an expression in different forms can shed light on the problem and how the quantities in it are related
* Solve multi-step real-life mathematical problems posed with positive and negative rational numbers
* Use variables to represent quantities in a real-world mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities

**Geometry**

* Solve problems involving scale drawings of geometric figures
* Draw geometric shapes with given conditions
* Describe the 2-dimensional figures that result from slicing 3-dimensional figures
* Know the formulas for the area and circumference of a circle and use them to solve problems
* Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure
* Solve real-world mathematical problems involving area, volume, and surface area of 2- and 3-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms

**Statistics and Probability**

* Understand that statistics can be used to gain information about a population
* Use data from a random sample to draw inferences about a population
* Informally assess the degree of visual overlap of two numerical data distributions with similar variabilities
* Use measures of center and measures of variability for numerical data from random samples
* Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring
* Approximate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency
* Develop a probability model and use it to find probabilities of events
* Find probabilities of compound events using organized lists, tables, tree, diagram, and simulations.

**Mathematical Practices**

* + 1. Make sense of problems and persevere in solving them.
	+ 2. Reason abstractly and quantitatively.
	+ 3. Construct viable arguments and critique the reasoning of others.
	+ 4. Model with mathematics.
	+ 5. Use appropriate tools strategically.
	+ 6. Attend to precision.
	+ 7. Look for and make use of structure.
	+ 8. Look for and express regularity in repeated reasoning.

**Assessment**

65% Formal Assessment- Mid-Chapter Assessments, End-of-Chapter Assessments, and Projects

35% Informal Assessment- Homework, Warm-Ups, Classwork, etc.

All formal assessments that are below a 79% can be re-taken for up to a 79%. It is the student’s responsibility to make these arrangements. I will give re-takes and make-up tests during enrichment time.

**CMS Grading Scale**

90-100 A

80-89 B

70-79 C

60-69 D

Below a 60 F

**Classroom Guidelines**

1. Be prompt 2. Be positive 3. Be prepared 4. Be respectful 5. Be responsible

**Absence and Make-Up Work**

During an absence, students may check my website for daily reminders and announcements. Class lessons and homework are also available to prevent students from falling behind. They are all found on the student’s google classroom. Upon returning, it is the student’s responsibility to speak with me about any make-up work that needs to be completed. That work must be turned in within the same number of days that the student was absent. A missed test/quiz will be given to the student upon his/her return to class by making arrangements with the teacher. Again, all student’s assignments can be found on their Google classroom.

**Supplies**

The following supplies are required in class daily: composition notebook (for notes), scientific calculator (TI 30x), #2 pencils, pen for grading, two-pocket folder, tape, scissors.

**Agenda Expectations**

The agenda is a KEY communication tool between students, parents, and teachers. Notes from teachers and other important information are often sent via the agenda. Students are required to have the agenda in every class every day. They will record homework in the agenda in every class and each teacher will initial or stamp the agenda signifying that the homework assignment is accurately recorded. Students should refer to the agenda before beginning homework to ensure they do the right assignment.

**\* Please read and sign the agenda nightly.** This lets us know you have seen any communication and that your child has completed their homework.

**Homework Expectations**

You can expect your child to have thirty minutes of math homework most nights. If assignments are completed within that time, your child should review their notes. Homework is due at the beginning of class the next day in order to receive full credit. Late or incomplete homework will receive partial credit. Homework is “Incomplete” if problems are left off, if directions are not followed, or if work is not shown (as directed in class).

**In-School Tutoring**

Students must come to tutoring with questions prepared in advance.

Tuesdays @ 8:15 with Baxley (D16)

Friday @ 8:15 with Godfrey (V3)

Thursdays @ 4:15-5:00 with Hoover (D3)

**Teacher/Parent Communication**

Please feel free to email with questions or concerns:

michelea.baxley@cms.k12.nc.us

**Website**

These websites contain important Math related information:

[www.mbaxley.weebly.com](http://www.mbaxley.weebly.com)