Math 7 Year Long Syllabus for 2017-2018

HIGHTOWER TRAIL MIDDLE SCHOOL

**Violette L. Garrett**

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**INSTRUCTIONAL EMPHASIS:**

**Students will apply knowledge of subject area content through formative and summative performance tasks that require higher order thinking.**

**7th Grade STEM focus: Design with Purpose**

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| **TOPIC** | **OBJECTIVE** | **ASSESSMENT** | **DURATION** |
| Unit 1 Operations with Rational Numbers | Apply and extend previous understanding of operations with fractions to add, subtract, multiply, and divide rational numbers. | Performance tasks, quizzes, tests | 6 weeks |
| Unit 2 Expressions & Equations | Use properties of operations to generateequivalent expressions.Solve real-life and mathematical problems using numerical and algebraic expressions and equations. | Performance tasks, quizzes, tests | 6 weeks |
| Unit 3 Ratios & Proportional Relationships | Analyze proportional relationships and use them to solve real-world and mathematical problems.Draw, construct, and describe geometrical figures and describe the relationships between them. | Performance tasks, quizzes, tests | 6 weeks |
| Unit 4Geometry  | Draw, construct, and describe geometrical figures and describe the relationships between them. Solve real-life and mathematical problems involving angle measures, area, surface area, and volume.  | Performance tasks, quizzes, tests | 5 weeks |
| Unit 5Inferences | Use random sampling to draw inferences about a population. Draw informal comparative inferences about two populations.  | Performance tasks, quizzes, tests | 4 weeks |
| Unit 6Probability | Investigate chance processes and develop, use, and evaluate probability models.  | Performance tasks, quizzes, tests | 4 weeks |
| Unit 7Show What We Know  |  Extend and Review | Performance tasks, quizzes, tests | 5 weeks |

**GRADING:**

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|  SOURCE | PERCENTAGE |
| Summative CategoriesTests |   40% |
| QuizzesFormative Categories  |  30%  |
| Classwork Homework  |  15% 5% |

###  Computation Challenges 10%

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**TEXTBOOK(S)/MATERIALS:**

**Textbook: *MCGraw-Hill Mathematics 7***

**Replacement Math 7 Book: $10.00 for each book (2)**

**Georgia Coach Book: $18.00**

**Agenda: $10.00**

**HOMEWORK POLICY:** Homework with all necessary work is expected at the beginning of the class on the day that it is due. No late work will be accepted.

**MAKE-UP POLICY:** It is the responsibility of the student to make up any work missed
due to absence. Missed assignments may be obtained by checking
Mrs. Garrett’s Blog or in class upon return. If absent, days given for make-up work must be equal to the days absent. Unusual situations will be dealt with on an individual basis.

**REMEDIATION:** Students scoring below 70% on summative assessments will be given a remediation assignment and the opportunity to reassess. If a student does not complete the remediation work, reassessment is not an option. The highest recovery grade possible is 70%. Grade recovery does not apply to End of Grade assessments.

**NOTE:** This syllabus is subject to change to meet the needs of students. Any changes that become necessary will be announced to students as far ahead as possible.

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 **STUDENT SIGNATURE PARENT SIGNATURE**