7th Grade Mathematics Course Syllabus

2016 -2017 Academic Year
Ms. Shannon McCartha

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Peachtree Charter Middle School

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Course Description:

The curriculum offers students the opportunity to experience real-world applications, hands-on labs and interdisciplinary investigations. All students will be actively engaged in developing mathematical understandings in real and relevant contexts. By the end of 7th grade, students will:

➢ Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.
➢ Use properties of operations to generate equivalent expressions and solve equations.
➢ Draw, construct, and describe geometrical figures and describe the relationships between them.
➢ Use random sampling to draw inferences about a population.
➢ Draw informal comparative inferences about two populations.

Fall Semester	
Unit 1 : Operations with Rational Numbers	**Chapter 4 -** Addition/Subtraction with Rational Numbers **Chapter 5 -** Multiplication/Division with Rational Numbers
Unit 2: Expressions & Equations	**Chapter 6 -** Numerical and Algebraic Expressions & Equations **Chapter 7 -** Solving Equations & Inequalities **Chapter 8 -** Solving Problems with Equations and Inequalities
Unit 3: Ratios and Proportional Relationships	**Chapter 1 -** Ratios and Rates **Chapter 2 -** Direct Variation and Constant of Proportionality **Chapter 3 -** Rates and Percents **Chapter 11 -** Scale Drawings and Scale Factors
Spring Semester	
Unit 4: Geometry	**Chapter 9 -** Using Geometry **Chapter 10 -** Triangles **Chapter 12 -** Circles **Chapter 13 -** Slicing Three-Dimensional Figures
Unit 5: Inferences	**Chapter 14 -** Data Collection **Chapter 15 -** Comparing Populations
Unit 6: Probability	**Chapter 16 -** Introduction to Probability **Chapter 17 -** Probability of Compound Events
Unit 7: Show What We Know	Review all chapters

Textbook: *Carnegie Learning – Grade 7*. If the textbook is lost, stolen, or damaged, it is the student's responsibility to pay for the book before a replacement book is issued. In the event that the lost book is found, please retain all receipts. Students are also highly encouraged to register for access to the online textbook at resources.carnegielearning.com. There are PDFs of the various student texts so students may print additional copies of assignments if necessary.

Standardized Test Requirements: Standards which would aid students on the Georgia Milestones assessment are embedded throughout the curriculum. **Students must meet the minimum state established scores on this test.**

The DeKalb County School System Grading Scale
A: 100-90 **B**: 80-89   **C**: 71-79   **D**: 70 (Partially met the expectation)
F: 69 and below (Unsatisfactory; did not meet the expectation)

Weighted Averages:
Classwork: 30%
Tests/Quizzes: 40%
Homework: 15%
Final: 15%

Homework: Homework is expected to be completed as assigned. Students will be assigned homework almost every night. If a student comes to class without completing his/her homework, he/she must fill out a no homework sheet and turn it in instead. The student will be given a "0" for that assignment until it is turned in. During first semester students will be allowed to turn in homework 1 day late for a maximum grade of 80%. If a no homework sheet was not turned in on the due date, the late work will not be accepted. There are no exceptions to this homework policy, and it will be effective Aug. 10th.

Many assignments will be internet based. I need to know if you do not have access to internet at home or via cell phone. Alternate assignments will be given, you are not excused from assignments due to lack of internet access. Students will have at least two days to complete any online assignment. This is more than enough time to let me know if you are having access issues and be given the alternate assignment. Many online assignments will not be accessible after the due date. There will be no late work accepted for these assignments.

Make-up work for Excused Absences: Previously announced work, such as homework, quizzes, tests, and other major assessments are due the day the student returns. For each day's excused absence, student will have one day to make up missed work. If a student is absent under extenuating circumstances, special arrangements can be made to make up work. IT IS THE STUDENT'S RESPONSIBILITY TO REQUEST THE MAKE-UP WORK. If no work is submitted after this period, the teacher will enter a "0" in the grade book for all missing assignments.

Academic honesty: Receiving or giving information for an assignment is cheating, and when caught in the act, students will not receive credit nor receive the opportunity for a chance for makeup. If a student takes information from the Internet or any printed resource without a citation, it is considered plagiarism and will result in a reduction in grade

Parents as Partners: Family involvement is an essential element for a student's success in mathematics. Be positive and support homework, but don't do it for them. Think of yourself as a guide rather than your child's teacher. You can help by asking questions and listening. You may also help by visiting the online resources and encouraging your child to take advantage of the tutorials, interactive activities, and other online resources listed above. For those without home internet access, check with your child's classroom teacher for suggestions.

Classroom Expectations
1. Be in your seat before the bell rings.
2. Be prepared for class.
3. Be proactive, ask questions, and participate.
4. Be respectful of yourself, teacher, peers, and school environment.

Student must adhere to the DCSS Student Code of Conduct, as well as specific classroom rules.

✳ **Teacher reserves the right to adjust the course work and/or differentiate instruction as needed to meet the needs of students and ensure academic success.**

Ms. Shannon McCartha
Please complete the form below verifying that you have reviewed this syllabus.

_____   _____

Student's Name (printed)   **Class Period**

_____   _____

Student's Signature   **Date**

_____   _____

Parent/Guardian's Signature   **Date**

_____

Parent/Guardian's Name (printed)

Primary language spoken at home: _____

Primary Phone Number: _____

Alternative Phone Number: _____

E-Mail Address: _____

IMPORTANT!!!!

___ I have internet access at home

___ I do not have internet access at home

Many assignments will be given online. I must know if you do not have access to internet at home so you can be given alternate assignments. No internet does not excuse these types of assignments.