Peachtree Charter Middle School
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2015-16 8th Grade Mathematics Course Syllabus

Course Description: The curriculum offers students the opportunity to experience real-world applications, hands-on labs and interdisciplinary investigations covering topics in algebra and geometry. All students will be actively engaged in developing mathematical understandings in real and relevant contexts. By the end of 8th grade, students will be able to: understand transformations, congruence and similarity (Unit 1), understand exponents (Unit 2), understand geometric applications of exponents (Unit 3), understand functions (Unit 4), understand and apply the concepts of linear functions (Unit 5), understand and apply the concepts of linear models and tables (Unit 6), and understand, analyze, and solve systems of equations (Unit 7).

Textbook: Carnegie Learning. If the textbook or any associated workbooks are lost, stolen, or damaged (missing barcode), 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. In addition to the textbook, student resources will include Georgia Department of Education Frameworks Tasks and tasks from the Mathematics Assessment Project. Students are also expected to register for 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. Instructions for accessing the online texts were sent home with students on the first day of school. Please contact me if you did not receive them.

State Frameworks Units

Semester One	Semester Two
Unit 1 – Transformations, Congruence, and Similarity	Unit 5 – Linear Functions
Unit 2 – Exponents and Equations	Unit 6 – Linear Models and Tables
Unit 3 – Geometric Applications of Exponents	Unit 7 – Solving Systems of Equations
Unit 4 - Functions	
The common core standards and supporting instructional materials can be found at https://www.georgiastandards.org/Georgia-Standards/Pages/Math-6-8.aspx	

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.

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%
Assessments: 40%
Homework: 15%
Final Exams: 15% (Cumulative Semester Exam where all objectives will be assessed.)

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 in order to be promoted to ninth grade.**

- **Homework**: Homework is expected to be completed as assigned. It is not an excuse to say, "I couldn't do it." If a student is struggling with a homework assignment they may seek assistance from a friend or come in before school to seek help from any math teacher. The 8th grade math teachers are: Ms. Bussert (830); Ms. Ethridge (809); Ms. Crowe (809); Ms. Posey (818); and Mr. Artis (MLU #1).
- **Make-up work:** 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 MISSED WORK.**
- **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 make up.
- **Plagiarism is not acceptable:** 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. A referral to the appropriate assistant principal will be forwarded.
- **Tutoring:** We are available every Wednesday, Thursday, and Friday morning from 8:15 a.m. – 8:35 a.m. Afternoon tutorials are available by appointment only. However, we're not available when there are morning staff meetings. Students are always able to seek additional help from any 8th grade math teacher. Students are required to have a pass from a teacher for morning tutorials.
- **ALL work, regardless of type, must be completed in pencil.** Any work completed in pen will result in a deduction of 10 points and will be returned to be redone in pencil.

<p style="text-align:center; color:red;">**NOTE: LATE WORK WILL NOT BE ACCEPTED!**</p>

Classroom Expectations
1. Be On Time and In Your Seat **Before** the Bell (Two pencils must be sharpened **before** the bell rings)
2. Be Respectful To Everyone in the Class.
3. Always Bring Materials. **– Students should obtain a TI-30X IIS calculator. It is the calculator required for the Georgia Milestones assessment.**
4. No Eating or Drinking in Class – including chewing gum.
5. Dress in accordance with DeKalb County and PCMS dress code standards.

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

* We reserve the right to adjust the course work and/or differentiate instruction as needed to meet the needs of students and ensure academic success. We look forward to working with you and your child in 2015-2016!