

CCJHS 8th Grade Math Syllabus

Delona Cole, Greg Maxwell, and Stephen Sells

Course Description: The 8th grade math course is designed to reinforce math skills from earlier grade levels and introduce new math concepts that students will need in order to be successful in future math classes, such as algebra and geometry. 8th grade math students work extensively with estimating, decimals, fractions, and mixed numbers as well as ratios, percentages, integers, algebraic concepts, geometric formulas, and statistics. Real-world problem solving and implementing various representations of mathematical concepts will be integral to this course. Discussing ideas, working with partners and groups, and sharing methods and solutions with the class will be expected of students. All learning objectives will be aligned with the revised Tennessee Math Standards for 8th grade and can be located on the TN Department of Education's website at

http://www.tennessee.gov/assets/entities/education/attachments/std_math_gr_8.pdf.

Curriculum: *Carnegie Learning Middle School Math Solution Course 3* 2nd Edition can be accessed online at <https://www.carnegielearning.com/login/index.html>. Student usernames and passwords will be given at the beginning of the year. Parents are welcome to review textbooks in the classroom or use their child's online access. In addition, resources from various sources will be used to differentiate and meet student needs.

Course Goals:

- Students will be prepared for Algebra 1 at CCHS.
- Students will demonstrate mastery of the lesson objectives for each standard at 80% mastery.
- Students will be prepared for the TCAP/TNReady end-of-year exam.

Assessments: Formative and summative assessments will be used throughout the year, including but not limited to warm-up activities, questioning, class discussion, group work, classwork, homework, single-skill and/or multi-skill quizzes, chapter tests, Exit Tickets, online practice and/or assessments, and district-wide benchmark testing.

Grading Policy: All grades will be weighed the same. Chester County Schools' grade scale will be used. <http://www.chestercountyschools.org/> Grades 6-8 will be using a nine weeks grading timeline this year. Progress Reports will be sent home midway of every grade period. Grades will be available on ParentVue again this year as well as sent home in paper format at Progress Report and Report Card times.

Course Schedule:

Real Number System (10 days) Exponents and Scientific Notation (12 days) Functions and Slope (10 days) Linear Relationships (13 days) Linear Equations and Systems (24 days) Angle Relationships (8 days) Pythagorean Theorem (10 days) Volume (10 days) Transformations (12 days) Scatter Plots and Data (12 days)

Contact Information: CCJHS Office (731) 989-8135 Planning 7th Period 2:04-2:55

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*The information in this syllabus is subject to change due to student needs, scheduling conflicts, inclement weather days, etc.