

Math E5 Syllabus

2021/2022

Instructor Information

Instructor	Email	Office Location & Hours
Kim Donnell	kdonnell@cpsk12.org	A-days 2nd block - G211/SPED Office & B-days 3rd block - G211

General Information

Description

Math E5 builds foundational, computational, and problem-solving skills in the area of mathematics. Designed to help students prepare to master the basic skills required to complete pre algebra, algebra, and geometry this course provides math interventions and strategies through instruction, practice, and application.

Expectations and Goals

Each student will learn and improve their math skills. All students commit to learning and improving a variety of math skills through hard work and exploration.

Course Materials

Required Materials

- Folder
- Paper
- Pencils

*** Please let Ms. Donnell know if you need any of these supplies. ***

Optional Materials

calculator

Provided Text/Work

Transmath 4 Interactive Text

Schedule of Covered Concepts

Unit	Topic	Approximate number of days for the unit
5	Algebraic Expressions/ Surface Area - solving, order of operations, writing and simplifying expressions, finding surface area of three-dimensional shapes	11 days
6	Algebraic Properties/ Volume of 3D Shapes - measuring, cubic units, writing and evaluating algebraic expressions, distributive property, volume, and finding volume of three-dimensional shapes	11 days
7	Intro to Algebraic Equations/ Angle Measure - algebraic equations, angle measurement, balancing equations, exterior angles, parallel lines and transversals, finding angle measures, coefficients, triangles, negative numbers, proportions, and quadrilaterals	11 days
8	Different Algebraic Equations/ Algebraic Word Problems - implied coefficients, word problem (basic & complex), error analysis, negative coefficients, rate problems, objects moving, solution strategies, negative numbers, fractions as coefficients, commutation and associative properties	16 days
9	Functions/ Working with Coordinate Graphs - functions, coordinate graphs, reflections, analyzing & graphing relationships, tables, slopes, linear equations, writing equations & functions, intersecting, y-intercept & slope-intercept form, functions applications	16 days
10	Square Roots & Irrational Numbers/ Nonlinear Functions - Pythagorean Theorem, squares & square roots, nonlinear functions, irrational numbers, radical signs, evaluating numeric & algebraic expressions, number sense with square roots	11 days

Grading and Additional Information and Resources

Grading:

Grades are solely based on exam scores. Therefore, grades will be determined completely on summative performance.

Additional Information:

If you have additional questions, comments, or concerns, please feel free to contact me using the information listed above. Additionally, I encourage you to contact me to share any information you feel will be helpful in supporting your student's success. I am very excited to embark on a semester of knowledge acquisition and student achievement!

Additional Resources:

Math games included in the Transmath program options - Students can feel free to play math games to practice and improve their skills at appropriate/approved times.

Schoology folder labeled optional practice - contains links to various types of math practice opportunities (games, quizzes, tables, instruction, etc.) students can use to improve a variety of general math skills.

Thank you for your time and attention. Please feel free to contact me if you have questions and/or concerns. I look forward to working with you and your student to advance his/her math skills.