



St. Thomas the Apostle School

265 King St. Crystal Lake, IL 60014
 Ph: 815.459.0496 Fx: 815.459.0591
www.stthomascl.org

7th GRADE CURRICULUM MAP – MATHEMATICS – Pre-Algebra

Curriculum Maps are used as guidelines for instruction. As such, they are considered to be working documents rather than a static formula for teachers and students to follow. What this means is that there is flexibility to this map which allows for the instructor to respond to several factors: the particular needs of the current group of students, the incorporation of new material, and/or the subtraction of material. With this in mind, curriculum maps are analyzed by faculty and administration on a yearly basis for revisions. Articulation meetings also take place with the grade levels above and below to check for continuity of the curriculum.

Quarter	Content and Skills
<i>Quarter 1</i>	Chapter 1 Variables, Expressions and Integers -Evaluating and writing variable expressions -Using the order of operation -Comparing and ordering integers -Locating points in coordinate planes Chapter 2 Solving Equations -Using addition, multiplication, and distributive properties -Simplifying variable expressions -Solving equations using mental math -Solving equations using addition, subtraction, multiplication, or division -Solving equations with decimals
<i>Quarter 2</i>	Chapter 2 - Continued Solving Equations -Using addition, multiplication, and distributive properties -Simplifying variable expressions -Solving equations using mental math -Solving equations using addition, subtraction, multiplication, or division -Solving equations with decimals Chapter 3 Multi-Step Equations and Inequalities -Writing and solving two step equations -Using the distributive property to solve equations -Writing and solving inequalities -Graphing inequalities on a number line
<i>Quarter 3</i>	Chapter 4 Factors, Fractions, and Exponents -Factoring numbers and monomials -Finding common factors and common multiples -Simplifying and comparing fractions -Multiplying and dividing powers -Writing numbers in scientific notation Chapter 5 Rational Numbers and Equations -Identify rational numbers -Writing fractions as decimals and decimal as fractions -Performing operations with fractions and mixed numbers -Solving equations and inequalities with rational numbers
<i>Quarter 4</i>	Chapter 5 - Continued Rational Numbers and Equations -Identify rational numbers -Writing fractions as decimals and decimal as fractions -Performing operations with fractions and mixed numbers -Solving equations and inequalities with rational numbers Chapter 6 -Finding ratios and unit rate -Writing and solving proportions -Identifying similar and congruent figures -finding unknown side lengths of similar figures -Finding probabilities