

Seventh Grade Math students at St. Patrick’s will develop into individuals with the ability to solve problems in an efficient manner, expand on the basic facts, and enter into an algebraic state of mind. Students will become well-rounded mathematicians by relating all learned concepts to real life experiences. In seventh grade, St. Patrick’s students will get an introduction to Algebra. They will work through order of operations and expand their geometric knowledge during the course of the year. These students will engage in high level graphing, property identification, and continue to expand their knowledge of integers and their use in our mathematical world. By the end of seventh grade, students will be able and ready to enter Algebra with full confidence.

	<u>Standards/Goals</u>	<u>Instructional Tools</u>	<u>Assessment Tools</u>
7.1 Algebra	Students will show mastery of integers and their uses a. +, -, x, and dividing b. M, M, M, R c. absolute value	Text Notes Number Lines	Chapter Test Quizzes Homework
7.2 Numbers and Operations	Students will review concepts within powers and exponents a. OoO (Order of Operations)	Text Notes Charts	Chapter Test Quizzes Homework
7.3 Problem Solving	Students will review mathematical properties a. identity, associative, distributive	Text Notes Matching Game	Chapter Test Quizzes Homework
7.4 Algebra	Students will expand their knowledge about equations and inequalities	Number Lines Text Notes	Chapter Test Quizzes Homework
7.5 Data Analysis and Probability	Students will be introduced to graphing a. coordinate planes b. geometry	Text Notes Graph Paper Graphing Games	Chapter Test Quizzes Homework

	<u>Standards/Goals</u>	<u>Instructional Tools</u>	<u>Assessment Tools</u>
7.6 Geometry	Students will continue their knowledge of numbers <ul style="list-style-type: none"> a. real numbers b. geometry 	Text Notes Games	Chapter Test Quizzes Homework Art Project
7.7 Geometry and Problem Solving	Students will continue their understanding of how to apply proportions <ul style="list-style-type: none"> a. equations b. similar figures 	Geo Blocks Text Notes Money	Chapter Test Quizzes Homework
7.8 Algebra	Students will further applications of percents <ul style="list-style-type: none"> a. equations b. real-life 	Text Notes Real-Life Applications	Chapter Test Quizzes Homework Projects
7.9 Numbers and Operations	Students will expand their knowledge of exponents by exploring powers <ul style="list-style-type: none"> a. rules b. number systems 	Text Notes	Chapter Test Quizzes Homework
7.10 Geometry and Measurement	Mastery of skill with geometry and measurement <ul style="list-style-type: none"> a. angles b. parallels, congruents, areas, polygons, circles, and volume 	Protractors Compasses Text Notes Maps	Chapter Test Quizzes Homework
7.11 Problem Solving	Students will gain an understanding of real-life math applications	Text Projects Notes Stories	Chapter Test Quizzes Homework Projects

	<u>Standards/Goals</u>	<u>Instructional Tools</u>	<u>Assessment Tools</u>
7.12 Algebra	Students will continue their knowledge of number sense a. sequence, rational, irrational, real	Number Lines Worksheet Notes Text	Chapter Test Quizzes Homework
7.13 Numbers and Operations	Students will further their knowledge of basic facts and become up to 70% efficient	Timed Tests Practice Tests	Timed Tests