

MA 3114 : Mathematics 7

Mathematics 7 is a course for seventh grade students that builds upon the skills learned in previous grades. The course focuses on the development of problem-solving skills and the acquisition of mathematical vocabulary and symbols. Facility in the use of technology will not be a substitute for students' understanding of quantitative concepts and proficiency in basic computations.

Subject Area

Mathematics

Level

Middle School

Parent Docs

[Mathematics 7 Parent Doc 2021-2022](#)

Storyboard

Essential Question: How do I become a mathematical problem solver to better understand the world around me? In what ways can I communicate and represent my mathematical thinking?

Number Sense: Deeper Dive into Numerical Representations: Unit 1 (4 weeks)



Title

Computation and Estimation: Looking for

Unit 2 (5 weeks)



Focus of the Story	<p><i>How do I use mathematics to make sense of number values?</i></p> <p>We begin our journey of further developing number sense by diving deeper into how to represent rational numbers in many ways and comparing values.</p>	<p><i>How do I use proportions in the real world?</i></p> <p>Next, we enhance our ability to be consumers by applying proportions to real-world applications.</p>
Transfer Goals	<ul style="list-style-type: none"> • Apply: Utilize efficient strategies, processes, and tools to model new situations and/or real world experiences. • Explain: Communicate mathematical thinking by justifying solutions using multiple representations while attending to precision. 	<ul style="list-style-type: none"> • Apply: Utilize efficient strategies, processes, and tools to model new situations and/or real world experiences.
Learning Targets	<p>I can recognize perfect squares, patterns with powers of ten, and absolute value.</p> <p>I can express numbers in scientific notation.</p> <p>I can compare and order rational numbers.</p>	<p>I can solve everyday consumer problems with proportions.</p> <p>I can solve everyday problems with proportions.</p>