



Math Literacy Development Course



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Source	Author(s) (Text or Video)	Title(s)	Link (where applicable)
OpenStax Text	Lynn Marecek, Santa Ana College MaryAnne Anthony-Smith, Formerly of Santa Ana College	Prealgebra	OpenStax
OpenStax	Lynn Marecek, Santa Ana College MaryAnne Anthony-Smith, Formerly of Santa Ana College	Elementary Algebra	Elementary Algebra: OpenStax
Mathispower4u Videos	James Sousa	MathIsPower4U	Mathispower4u Videos

Alta Math Literacy was developed to meet the scope and sequence of a typical one-semester math literacy course. To develop the course, Knewton used three main sources of content: OpenStax, videos created by a Math Professor we have partnered with, and a team of Subject Matter Experts. The SMEs come from diverse backgrounds and are all academics in the field of mathematics.

Alta Math Literacy has two instructional sequences for every learning objective, giving students multiple opportunities to learn new concepts. Between our OpenStax text, video content, and Knewton SMEs, we were able to solicit ideas from math instructors and students at all levels of higher education. Alta Math Literacy covers the typical breadth of mathematical application topics, and also provides the necessary depth to ensure the course is manageable and engaging for instructors and students alike.

Math Literacy | Table of Contents

Chapter 1: Foundations

1.1 Introduction to Whole Numbers

- Place Values and Rounding
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 - Find the prime factorization of a number
 - Find the least common multiple of two numbers

1.2 Language of Algebra

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- Simplifying Expressions with Integers
 - Simplify expressions with integers using order of operations
 - Evaluate a variable expression with integers
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- Algebraic Expressions and Applications with Integers
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3.4 Solving Linear Inequalities

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 - Use the mixture model to solve word problems [DELETE]
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- Add and subtract polynomials
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9.3 Intro to Probability

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 - Find the area of irregular figures made from circles and other shapes

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-