KNEWTON

Prealgebra and Elementary Algebra

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

Knewton Pre-Algebra and Elementary Algebra combines material from Knewton Prealgebra and Knewton Elementary Algebra to allow for more flexible curricula in early and developmental math programs. 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 internal and external Subject Matter Experts. The SMEs come from diverse backgrounds and are all academics in the field of Mathematics.

Knewton Pre-Algebra has two instructional sequences for every learning objective, giving students multiple opportunities to learn new concepts. Between our OpenStax instructional texts, our videos, and a network of SMEs, we were able to solicit ideas from math instructors and students. Knewton Pre-Algebra and Elementary Algebra covers the typical breadth of pre-algebra and elementary algebra topics and also provides the necessary depth to ensure the course is manageable and engaging for instructors and students alike.

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Prealgebra and Elementary Algebra | Table of Contents

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- Multiples and Factors
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Chapter 2: Integers

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- The Definition of a Function
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Chapter 13: Exponents and Polynomials

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    - Factor polynomials by grouping
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- Solve Rational Equations
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- Direct and Inverse Variation
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- Multiply and Divide Radical Expressions
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- Graph Quadratic Equations
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