



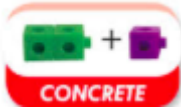

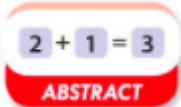
Title: Pre-Algebra 6 Playlist

Learning Target/Standards:

Grade 8 Level Mathematics focuses on the following critical areas:

- (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations;
- (2) grasping the concept of a function and using functions to describe quantitative relationships;
- (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, congruence, and understanding and applying the Pythagorean Theorem; and
- (4) math fact fluency

Directions: Determine your pace through the activities and extensions in the playlist to support your readiness for middle school mathematics

Process (Students choose their entry point)	Task/Learning (Provide physical and digital opportunities for learners)	Progress
Explore	Pre-Algebra Playlist with Khan Academy - Click Image 	
	 Visit the Brainpop App to explore videos on math topics:	
	Bar Modeling - A Review Bar Modeling - Solving Ratios Space Figures	
	GregTangmath.com <ul style="list-style-type: none"> • Games to support practice and fluency Ratios Tutorial Bar model drawings support pictorial methods	
	IXL - Access through the App on your device or web: https://www.ixl.com/signin/greenwichps	

	<p>R.1 Write Variable Expressions R.2 Write Expressions from Word Problems R.6 Evaluate Expressions w/ 1 variable R.8 Add and Sub Like Terms R.9 Evaluate Multi-step Expressions</p> <p>Khan Academy: Writing Expression Writing Expressions with parentheses Video: Evaluate Expressions with 2 variables Practice: Evaluate Expressions with variables Video: Combining Like Terms Practice: Combining like terms Video: Expand expressions using distr. prop Practice: Distributive Property Video: Factoring Practice: Factoring Expressions Writing Expressions for basic word problems O of Op w/negs</p> <p>Illustrative Mathematics - Grade 8</p> <ol style="list-style-type: none"> 1. Click Domains <ol style="list-style-type: none"> a. 8.NS The Number System b. 8.EE Expressions & Equations c. 8.F Functions d. 8.G Geometry e. 8. SP Statistics and Probability 2. Click View all Grade 8 Tasks <p>StudyJams: StudyJams: Creating Equations</p>	
Extend	<p>Visit the Library and read books on a Math Theme: A Gebra named Al by Wendy Isdell The Cat in Numberland by Ivar Eckland The Adventures of Penrose the Mathematical Cat by Theoni Pappas The Number Devil: A Mathematical Adventure by Hans Magnus Enzensberger Sir Cumference and the Dragon of Pi by Cindy Neuschwander</p> <p>Revisit the applications (apps) on your device to EXTEND your learning.</p>	
Application	<p>Use Educreations (or another method of their choice) to:</p> <ul style="list-style-type: none"> ● “teach” your new learning to a 4th or 5th grader ● make connections to how this new math learning can be used in daily life 	

	<ul style="list-style-type: none"> ● create a problem for others to solve that involve the new learning. 	
Share	<p>Be a partner with your parent, sibling or peer (friend) and explain your learning.</p> <p>Be certain to share with your current teacher how you are working to meet a new goals you have set for mathematics in sixth grade.</p>	