

**Algebra 1**  
**Khan Academy Video Correlations**  
**By SpringBoard Activity and Learning Target**

SB Activity	Video(s)
<b>Unit 1: Equations and Inequalities</b>	
<b>Activity 1</b> <i>Investigating Patterns</i> 1-1 Learning Targets: <ul style="list-style-type: none"> <li>Identify patterns in data.</li> <li>Use tables, graphs, and expressions to model situations.</li> <li>Use expressions to make predictions.</li> </ul> 1-2 Learning Targets: <ul style="list-style-type: none"> <li>Use patterns to write expressions.</li> <li>Use tables, graphs, and expressions to model situations.</li> </ul>	<i>Algebraic Expressions</i>
	<a href="#">Treating units algebraically and dimensional analysis</a> <a href="#">Writing simple algebraic expressions</a> <a href="#">Writing algebraic expressions</a> <a href="#">Writing algebraic expressions word problem</a> <a href="#">Evaluating an expression example</a> <a href="#">Evaluating an expression using substitution</a> <a href="#">Expression terms, factors, and coefficients</a>
	<i>Patterns and Expressions</i>
<b>Activity 2</b> <i>Solving Equations</i> 2-1 Learning Targets: <ul style="list-style-type: none"> <li>Use the algebraic method to solve an equation.</li> <li>Write and solved an equation to model a real-world situation.</li> </ul> 2-2 Learning Targets: <ul style="list-style-type: none"> <li>Write and solve an equation to model a real-world situation.</li> <li>Interpret parts of an expression in terms of its context.</li> </ul> 2-3 Learning Targets: <ul style="list-style-type: none"> <li>Solve complex equations with variables on both sides and justify each step in the solution process.</li> <li>Write and solve an equation to model a real-world situation.</li> </ul> 2-4 Learning Targets: <ul style="list-style-type: none"> <li>Identify equations that have no solution.</li> </ul>	<i>The "Why" of Algebra: Equation Basics</i>
	<a href="#">Why we do the same thing to both sides: Simple equations</a> <a href="#">Why we do the same thing to both sides: Multi-step equations</a> <a href="#">Representing a relationship with a simple equation</a> <a href="#">One-step equation intuition</a>
	<i>Simple Equations</i>
	<a href="#">Simple equations of the form <math>ax = b</math></a> <a href="#">Simple equations of the from <math>x/a = b</math></a> <a href="#">Simple equations of the form <math>x + a = b</math></a> <a href="#">Simple equations: examples involving a variety of forms</a>
	<i>Equations with Variable on Both Sides</i>
	<a href="#">Solving two-step equations</a> <a href="#">Example: two-step equations</a> <a href="#">Adding and subtracting from both sides of an equation</a> <a href="#">Dividing from both sides of an equation</a> <a href="#">Example: two-step equation with numerator <math>x</math></a>

<ul style="list-style-type: none"> <li>Identify equations that have infinitely many solutions.</li> </ul> <p>2-5 Learning Targets:</p> <ul style="list-style-type: none"> <li>Solve literal equations for a specified variable.</li> <li>Use a formula that has been solved for a specified variable to determine an unknown quantity.</li> </ul>	<p style="text-align: center;"><b>More Complex Equations</b></p> <p><a href="#">Solving a more complicated equation</a></p> <p><a href="#">Variables on both sides</a></p> <p><a href="#">Example 1: Variables on both sides</a></p> <p><a href="#">Example 2: Variables on both sides</a></p> <p><a href="#">Solving equations with the distributive property</a></p> <p><a href="#">Solving equations with the distributive property 2</a></p> <hr/> <p style="text-align: center;"><b>Equations with No Solutions or Infinitely Many Solutions</b></p> <p><a href="#">Equation special cases</a></p> <p><a href="#">Number of solutions to linear equations</a></p> <p><a href="#">Number of solutions to linear equations ex 2</a></p> <p><a href="#">Number of solutions to linear equations ex 3</a></p> <p><a href="#">Rearrange formulas to isolate specific variables</a></p> <hr/> <p style="text-align: center;"><b>Solving Literal Equations for a Variable</b></p> <p><a href="#">Solving for a variable</a></p> <p><a href="#">Solving for a variable 2</a></p> <p><a href="#">Example: Solving for a variable</a></p>
<p><b>Activity 3</b> <i>Solving Inequalities</i></p> <p>3-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Understand what is meant by a solution of an inequality.</li> <li>Graph solutions of inequalities on a number line.</li> </ul> <p>3-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Write inequalities to represent real-world situations.</li> <li>Solve multi-step inequalities.</li> </ul> <p>3-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>Graph compound inequalities.</li> <li>Solve compound inequalities.</li> </ul>	<p style="text-align: center;"><b>One-Step Inequalities</b></p> <p><a href="#">Constructing and solving a one-step inequality</a></p> <p><a href="#">One-step inequality involving addition</a></p> <p><a href="#">Inequalities using addition and subtraction</a></p> <p><a href="#">Multiplying and dividing with inequalities</a></p> <p><a href="#">Multiplying and dividing with inequalities example</a></p> <hr/> <p style="text-align: center;"><b>Multi-Step Inequalities</b></p> <p><a href="#">Constructing and solving a two-step inequality</a></p> <p><a href="#">Constructing, solving a two-step inequality example</a></p> <p><a href="#">Solving a two-step inequality</a></p> <p><a href="#">Multi-step inequalities</a></p> <p><a href="#">Multi-step inequalities 2</a></p> <p><a href="#">Multi-step inequalities 3</a></p> <hr/> <p style="text-align: center;"><b>Compound Inequalities</b></p> <p><a href="#">Compound inequalities</a></p> <p><a href="#">Compound inequalities</a></p> <p><a href="#">Compound inequalities 2</a></p> <p><a href="#">Compound inequalities 3</a></p> <p><a href="#">Compound inequalities 4</a></p>

<b>Activity 4</b> <i>Absolute Value Equations and Inequalities</i> 4-1 Learning Targets: <ul style="list-style-type: none"><li>• Understand what is meant by a solution of an absolute value equation.</li><li>• Solve absolute value equations.</li></ul> 4-2 Learning Targets: <ul style="list-style-type: none"><li>• Solve absolute value inequalities.</li><li>• Graph solutions of absolute value inequalities.</li></ul>	<b><i>Absolute Value Equations</i></b>
	<a href="#"><u>Absolute value equations</u></a>
	<a href="#"><u>Absolute value equations</u></a> <a href="#"><u>Absolute value equations 1</u></a> <a href="#"><u>Absolute value equations example 1</u></a> <a href="#"><u>Absolute value equation example 2</u></a> <a href="#"><u>Absolute value equation example</u></a> <a href="#"><u>Absolute value equation with no solution</u></a>
	<b><i>Absolute Value Inequalities</i></b>
	<a href="#"><u>Absolute value inequalities</u></a> <a href="#"><u>Absolute value inequalities example 1</u></a> <a href="#"><u>Absolute inequalities 2</u></a> <a href="#"><u>Absolute value inequalities example 3</u></a>