

First Instruction should follow the [CSD Pacing Guide](#) based on CCSS Grade Level Content.

## Grade 7 Curriculum Guide

CSD Highest Priority Concepts by <i>Open Up</i> Unit:							
Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8
<p>Reason about relationships among two-dimensional figures using scale drawings and informal geometric constructions.</p> <p>Compute actual lengths and areas from a scale drawing and reproduce a scale drawing at a different scale.</p>	<p>Recognize and represent proportional relationships between quantities and use them to solve multi-step problems. <i>(Decide if quantities are proportional, find unit rates, and represent using equations.)</i></p>	<p>Solve problems involving the area and circumference of a circle. <i>(Know formulas for area &amp; circumference, understand the relationship between area &amp; circumference.)</i></p>	<p>I can use proportional relationships to solve multistep ratio and percent problems.</p>	<p>Represent problems, evaluate expressions and solve equations using the four operations with rational numbers. <i>(Emphasis on integer operations)</i></p>	<p>Model situations using equations, inequalities and expressions.</p> <p>Reason algebraically to solve one-step equations. <i>(Including those with rational coefficients and distributive property.)</i></p>	<p>Select and use geometric relationships to calculate measurements of geometric figures. <i>(Focus on triangles, angle relationships &amp; prisms.)</i></p>	<p>Select and apply probability strategies and models to solve problems.</p> <p>Choose appropriate statistics to model situations involving data and explain how sampling methods affect data collection.</p>
<p><b>Required Fluencies</b></p> <p>Students will show an understanding of all four basic arithmetic operations with integers.</p> <ul style="list-style-type: none"> <li>● Make connections between models for whole numbers and integers.</li> </ul>							
<p><b>High Leverage Concept</b></p> <p>Solve proportional reasoning problems using a model and relationship of multiplication and division. Students will extend the basic understanding of ratios using proportions. This means applying proportions to topics including percentages, similarity, scaling, conversion, etc. <i>(The cross products algorithm does not qualify as demonstrating understanding.)</i></p> <ul style="list-style-type: none"> <li>● Look for and identify multiplicative relationships in tables and diagrams.</li> <li>● Focus on the meaning of the quantities in a situation.</li> </ul>							