

The following is a table of contents and a pacing guide. If you follow this table of contents, you will have covered all of the CCSS for 7th grade. The pacing guide accounts for 170 days. We know that there are days built into your schedule throughout the school year for things such as classroom rules, diagnostic testing, assemblies, field trips, etc. We also know that standardized tests are given before the end of the year. Therefore, you may need to save some days to ensure that all topics are covered and you have time to review (there is a folder of materials for reviewing) before the tests are administered. You can wait to do 2-4 – 2-7 (15 days) until after the test. You can just use calculators during the year. Then teach the rational operations after the standardized tests. This will save you about 12 days as we still have some lessons to show the students how to use the calculators. If you need to save more days before the testing, you can wait to do the unit projects until after the tests as well.

Unit 1 - Problem Solving (16 Days)

Common Core State Standard(s)

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| 1-1 | <i>Guess and Check</i> | - CCSS Mathematical Practice 1, 3 |
| 1-2 | <i>Eliminate Possibilities</i> | - CCSS Mathematical Practice 1, 2, 3 |
| 1-3 | <i>Patterns</i> | - CCSS Mathematical Practice 5, 7, 8 |
| 1-4 | <i>Word Problems</i> | - CCSS Mathematical Practice 1, 2, 3, 4, 6, 7, 8 |
| 1-5 | <i>Estimate Solutions</i> | - CCSS Mathematical Practice 1, 2, 3, 4, 7 |

Unit 2 - Numbers and Operations (32 Days)

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| 2-1 | <i>Number Systems</i> | - Prepares for 7.NS.1 and 7.NS.2 |
| 2-2 | <i>Fractions, Decimals, and Percents</i> | - 7.NS.2.d |
| 2-3 | <i>Comparing and Ordering Rationals</i> | - 7.NS.2.d |
| 2-4 | <i>Adding Rationals</i> | - 7.NS.1.a, 7.NS.1.b, 7.NS.1.d, 7.NS.3 |
| 2-5 | <i>Subtracting Rationals</i> | - 7.NS.1.a-d, 7.NS.3 |
| 2-6 | <i>Multiplying Rationals</i> | - 7.NS.2.a, 7.NS.2.c, 7.NS.3 |
| 2-7 | <i>Dividing Rationals</i> | - 7.NS.2.b, 7.NS.2.c, 7.NS.3 |

Unit 3 - Analyzing Data/Probability (29 Days)

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| 3-1 | <i>Introduction to Statistics</i> | - 7.SP.1, 7.SP.2 |
| 3-2 | <i>Measures of Center</i> | - 7.SP.3, 7.SP.4 |
| 3-3 | <i>Measures of Variation</i> | - 7.SP.3, 7.SP.4 |
| 3-4 | <i>Comparing Sets of Data</i> | - 7.SP.3, 7.SP.4 |
| 3-5 | <i>Simple Probability</i> | - 7.SP.5, 7.SP.6, 7.SP.7.a, 7.SP.7.b, 7.SP.8.c |
| 3-6 | <i>Compound Events</i> | - 7.SP.8.a |
| 3-7 | <i>Counting Principle</i> | - 7.SP.8.b |

Unit 4 - Pre-Algebra Concepts (29 Days)

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| 4-1 | <i>Order of Operations</i> | - Prepares for 7.EE.1 |
| 4-2 | <i>Combining Like Terms</i> | - 7.EE.1, 7.EE.2 |
| 4-3 | <i>Distributive Property</i> | - 7.EE.1 |
| 4-4 | <i>One-Step Equations</i> | - Prepares for 7.EE.4.a |
| 4-5 | <i>Inequalities</i> | - Prepares for 7.EE.4.b |
| 4-6 | <i>Multi-Step Equations/Inequalities</i> | - 7.EE.3, 7.EE.4.a, 7.EE.4.b |
| 4-7 | <i>Writing Equations/Inequalities</i> | - 7.EE.3, 7.EE.4.a, 7.EE.4.b |

Unit 5 - Proportional Reasoning (24 Days)

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| 5-1 | <i>Rates and Ratios</i> | - 7.RP.1 |
| 5-2 | <i>Proportions</i> | - 7.RP.2.a-d, 7.G.1 |
| 5-3 | <i>Percent Proportion</i> | - 7.RP.3 |
| 5-4 | <i>Percent Applications</i> | - 7.RP.3, 7.EE.2, 7.EE.3 |
| 5-5 | <i>Percent Increase/Decrease</i> | - 7.RP.3, 7.EE.2, 7.EE.3 |

Unit 6 - Geometry (40 Days)

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| 6-1 | <i>Angles</i> | - 7.G.2, 7.G.5 |
| 6-2 | <i>Triangles</i> | - 7.G.2 |
| 6-3 | <i>Congruent and Similar Figures</i> | - 7.RP.1, 7.RP.2.a, 7.RP.2.b, 7.G.1 |
| 6-4 | <i>Perimeter and Area</i> | - 7.EE.4.a, 7.G.6 |
| 6-5 | <i>Circles</i> | - 7.G.4 |
| 6-6 | <i>Three Dimensional Figures</i> | - 7.G.3, 7.G.6 |
| 6-7 | <i>Surface Area and Volume</i> | - 7.G.6 |