



## Carroll ISD 7th Grade Math 2021-2022 Year-At-A-Glance

|                          | 1 <sup>st</sup> Grading Period  | 2 <sup>nd</sup> Grading Period   | 3 <sup>rd</sup> Grading Period  | 4 <sup>th</sup> Grading Period   |
|--------------------------|---|--|---|--|
| <b>Process Standards</b> | 7.1 A, B, C, D, E, F, G<br>Math Process Standards, how students understand and learn mathematics, used throughout the course  |  |   |  |
| <b>TEKS</b>              | <b>Unit 1</b><br>7.2A, 7.3A, 7.3B<br><b>Unit 2</b><br>7.4 A, B, D, C, E<br><b>Unit 3</b><br>7.5 A, C  | <b>Unit 4</b><br>7.6A, B, C, D, E, F, G, H, I<br><b>Unit 5</b><br>7.4A, C, 7.5A, B, C, 7.7A  | <b>Unit 6</b><br>7.10 A, B, C 7.11A, B<br><b>Unit 7</b><br>7.8 C, 7.9 B, 7.11C<br><b>Unit 8</b><br>7.8A, B, 7.9A, C, D  | <b>Unit 9</b><br>7.6F, G, 7.12A, B, C<br><b>Unit 10</b><br>7.13A, B, C, D, E, F  |
| <b>Topic Focus</b>       | <b>Unit 1</b> <ul style="list-style-type: none"> <li>● Integer Operations</li> <li>● The Real Number System</li> <li>● Rational Number Operations</li> <li>● Order of Operations</li> <li>● Absolute Value</li> </ul> <b>Unit 2</b> <ul style="list-style-type: none"> <li>● Converting Measurements</li> <li>● Percent of Change</li> <li>● Markup and Markdown</li> <li>● Percent Application</li> </ul> <b>Unit 3</b> <ul style="list-style-type: none"> <li>● Similar Shapes and Proportions</li> </ul> | <b>Unit 4</b> <ul style="list-style-type: none"> <li>● Probability of Simple Events</li> <li>● Probability of Compound Events</li> <li>● Probability Predictions</li> <li>● Sample Space, Tree Diagrams, and Counting Principle</li> </ul> <b>Unit 5</b> <ul style="list-style-type: none"> <li>● Constant Rate of Change</li> <li>● Proportional Relationships and Graphs</li> <li>● Determining Slope and Y-Intercept from Multiple Representations</li> </ul> | <b>Unit 6</b> <ul style="list-style-type: none"> <li>● Writing and solving two-step equations</li> <li>● Distributive Property</li> <li>● Simplifying expressions and combining like terms</li> <li>● Writing and solving two-step inequalities</li> </ul> <b>Unit 7</b> <ul style="list-style-type: none"> <li>● Angle Relationships</li> <li>● Ratios and Pi</li> <li>● Finding Circumference</li> <li>● Area of Circles</li> <li>● Area of 2D Figures</li> </ul> <b>Unit 8</b> | <b>Unit 9</b> <ul style="list-style-type: none"> <li>● Populations and samples</li> <li>● Analyzing Categorical Data</li> <li>● Comparing Data Displayed in Dot Plots, Box Plots, Bar Graphs, and Circle Graphs</li> <li>● Making Predictions from Data</li> </ul> <b>Unit 10</b> <ul style="list-style-type: none"> <li>● Calculating Sales and Income Tax</li> <li>● Calculating and comparing simple &amp; compound Interest</li> <li>● Making Purchasing Decisions</li> <li>● Personal Budgets</li> <li>● Planning a Budget</li> <li>● Constructing and net worth statement</li> </ul> |



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|  | <ul style="list-style-type: none"> <li>• Scale Drawings</li> </ul>  | <ul style="list-style-type: none"> <li>• Linear relationships in the form <math>y=mx +b</math></li> <li>• Writing and Graphing Equations in the form <math>y = mx+b</math></li> </ul>                             | <ul style="list-style-type: none"> <li>• Area of Composite Figures</li> <li>• Total and Lateral Surface Area</li> <li>• Volume of Prisms and Pyramids</li> </ul>   |  |
| <p><b>Additional Resources</b></p> <p>Houghton Mifflin Harcourt<br/><i>GoMath!</i><br/>Grade 7</p> | <p><b>Unit 1</b><br/>Module 1: Rational Numbers</p> <p><b>Unit 2</b><br/>Module 3: Proportions and Percent</p> <p><b>Unit 3</b><br/>Module 4: Proportionality in Geometry</p> | <p><b>Unit 4</b><br/>Module 5: Experimental Probability<br/>Module 6: Theoretical Probability and Simulations</p> <p><b>Unit 5</b><br/>Module 2: Rates and Proportionality<br/>Module 7: Linear Relationships</p> | <p><b>Unit 6</b><br/>Module 8: Equations and Inequalities</p> <p><b>Unit 7</b><br/>Module 9: Applications of Geometric Concepts</p> <p><b>Unit 8</b><br/>Module 9: Applications of Geometric Concepts<br/>Module 10: Volume and Surface Area</p> | <p><b>Unit 9</b><br/>Module 11: Analyzing and Comparing Data<br/>Module 12: Random Samples and Populations</p> <p><b>Unit 10</b><br/>Module 13: Taxes and Incentives<br/>Module 14: Planning your Future</p> |

Power Standards: 7.3B, 7.4A, 7.4D, 7.5A, 7.5B, 7.6H, 7.6I, 7.7A, 7.11A, 7.12A