

| 5 <sup>th</sup> Grade Mathematics Teaching & Learning Framework   |   |  |   |   |   |  |                                  |
|---|---|--|---|---|---|--|----------------------------------|
| Semester 1  |   |  |   | Semester 2  |   |  |                                  |
| Unit 1<br>3 weeks   | Unit 2<br>5 weeks   | Unit 3<br>5 weeks  | Unit 4<br>5 weeks   | Unit 5<br>4 weeks   | Unit 6<br>4 weeks   | Unit 7<br>5 weeks  | Unit 8<br>4 weeks                |
| <b>Investigating Volume of Solid Figures</b><br>5.GSR.8<br>5.NR.5   | <b>Building Conceptual Understanding of Multiplication and Division with Whole Numbers</b><br>5.NR.2<br>5.NR.5<br>5.MDR.7   | <b>Building Conceptual Understanding of Place Value and Working with Decimals to Solve Problems</b><br>5.NR.1<br>5.NR.4<br>5.MDR.7   | <b>Building Place Value Understanding Using Measurement and Data Reasoning</b><br>5.NR.1<br>5.MDR.7   | <b>Building Fraction Understanding</b><br>5.NR.3<br>5.MDR.7   | <b>Making Sense of Fraction Multiplication and Division</b><br>5.NR.3   | <b>Exploring Geometry and the Coordinate Plane</b><br>5.PAR.6<br>5.GSR.8   | <b>Culminating Capstone Unit</b> |
| <b>5.GSR.8.3</b><br>(Volume with cubes)<br><b>5.GSR.8.4</b><br>(Volume)<br><b>5.NR.5.1</b><br>(Simple numerical expressions)  | <b>5.NR.2.1</b><br>(Multi-digit multiplication)<br><b>5.NR.2.2</b><br>(Multi-digit division)<br><b>5.NR.5.1</b><br>(Simple numerical expressions)<br><b>5.MDR.7.2</b><br>(Interpret graphs) | <b>5.NR.1.1</b><br>(Place value)<br><b>5.NR.4.1</b><br>(Read/write decimals)<br><b>5.NR.4.2</b><br>(Compare/order decimals)<br><b>5.NR.4.3</b><br>(Round decimals)<br><b>5.NR.4.4</b><br>(Add/subtract decimals)<br><b>5.MDR.7.2</b><br>(Interpret graphs) | <b>5.NR.1.1</b><br>(Place value)<br><b>5.NR.1.2</b><br>(Powers of 10)<br><b>5.MDR.7.3</b><br>(Metric measurement conversion)<br><b>5.MDR.7.4</b><br>(Customary measurement conversion)<br><b>5.MDR.7.1</b><br>(Measurement problem solving)<br><b>5.MDR.7.2</b><br>(Interpret graphs) | <b>5.NR.3.2</b><br>(Compare/order fractions)<br><b>5.NR.3.3</b><br>(Add/subtract fractions)<br><b>5.MDR.7.2</b><br>(Interpret graphs) | <b>5.NR.3.1</b><br>(Fraction as division)<br><b>5.NR.3.4</b><br>(Multiply fraction and whole number)<br><b>5.NR.3.5</b><br>(Multiplication as scaling)<br><b>5.NR.3.6</b><br>(Unit fraction division) | <b>5.PAR.6.1</b><br>(Generate Patterns)<br><b>5.PAR.6.2</b><br>(Coordinate Plane)<br><b>5.GSR.8.1</b><br>(Classify polygons)<br><b>5.GSR.8.2</b><br>(Exploration of 2D attributes) | <b>All Standards</b>             |
| Units contain tasks that depend upon the concepts addressed in earlier units. Mathematical standards are interwoven and should be addressed throughout the year in as many different units and tasks as possible in order to stress the natural connections that exist among mathematical topics. |   |  |   |   |   |  |                                  |
| The <a href="#">Framework for Statistical Reasoning</a> , <a href="#">Mathematical Modeling Framework</a> , and the <a href="#">K-12 Mathematical Practices</a> should be taught throughout the units.  |   |  |   |   |   |  |                                  |
| <b>Key for Course Standards:</b> NR: Numerical Reasoning, PAR: Patterning & Algebraic Reasoning, GSR: Geometric & Spatial Reasoning. MDR: Measurement & Data Reasoning  |   |  |   |   |   |  |                                  |