

## Fourth Grade Math Timeline and Content Outline

| Quarter | SOL #                        | Standard   | Timeline      |
|---------|------------------------------|--|---------------|
| 1       | 4.20 & 4.18                  | <b>Data Collection &amp; Coordinate Grids</b><br>A. Line graphs<br>B. Bar graphs<br>C. Coordinate Grids  | 1.5 wks.      |
|         | 4.1                          | <b>Place Value</b><br>A. Identifying through Millions<br>B. Comparing through Millions<br>C. Rounding to a Specific Place Value  | 2 wks.        |
|         | 4.5 & 4.6                    | <b>Addition and Subtraction &amp; Estimation</b><br>A. Add. & Subt. w/ Front End Estimation<br>B. Add. & Subt. w/ Whole Numbers<br>C. Add. & Subt. w/ Compatible Numbers | 2.5 wks.      |
|         | 4.21                         | <b>Patterns</b><br>A. Create Numerical Patterns<br>B. Extend Numerical Patterns  | 1 wk.         |
|         | 4.7                          | <b>Multiplication - Facts only</b><br>A. Vocabulary<br>B. Basic Facts through 10   | 1 wk.         |
|         | 1 <sup>st</sup> Quarter SOLs | <b>Review / Remediation / Enrichment</b>   | 1 wk.         |
|         | <b>Total</b>                 |  | <b>9 wks.</b> |
| 2       | 4.7                          | <b>Multiplication</b><br>A. 2 Digit x 1 Digit & Estimation<br>B. 2 Digit x 2 Digit & Estimation<br>C. 3 Digit x 2 Digit & Estimation w/ Calculators                      | 3 wks.        |
|         | 4.8                          | <b>Division</b><br>A. Estimation<br>B. Finding Quotients & 1 Digit Divisors  | 3.5wks.       |
|         | 4.21 - 4.22                  | <b>Patterns and Algebraic Thinking</b><br>A. Using Number Lines<br>B. Numerical Patterns including Multiplication<br>C. Balancing Equations                              | 1.5 wks.      |
|         | 2 <sup>nd</sup> Quarter SOLs | <b>Review / Remediation / Enrichment</b>   | 1 wk.         |
|         | <b>Total</b>                 |  | <b>9 wks.</b> |

| Quarter | SOL #                        | Standard   | Timeline |
|---------|------------------------------|--|----------|
| 3       | 4.2, 4.3, 4.9 a, c           | <b>Fractions</b><br>A. Equivalent Fractions including Simplifying<br>B. Comparing Fractions<br>C. Add. & Subt. w/ Like Denominators<br>D. Add. & Subt. w/ Unlike Denominators                | 4 wks.   |
|         | 4.2c, 4.4, & 4.9b            | <b>Decimals</b><br>A. Identifying through Thousandths<br>B. Relating Fractions to Decimals<br>C. Rounding (Whole Number, Tenths, & Thousandths)<br>D. Comparing<br>E. Addition & Subtraction | 2 wks.   |
|         | 4.19                         | <b>Probability</b><br>A. Simple Events   | 1 wk.    |
|         | 4.14, 4.15, 4.16             | <b>Geometry I</b><br>A. Point, Line, Segment, Ray, & Angles<br>B. Line Relationships   | 1 wk.    |
|         | 3 <sup>rd</sup> Quarter SOLs | <b>Review / Remediation / Enrichment</b>   | 1 wk.    |
|         | <b>Total</b>                 |  |          |
| 4       | 4.17 & 4.21                  | <b>Geometry II &amp; Geometric Patterns</b><br>A. Plane & Solid Figures w/ Geometric Patterns<br>B. Congruence<br>C. Transformations   | 1 wk.    |
|         | 4.11                         | <b>Measurement of Length</b><br>A. Estimation<br>B. Actual Measurement<br>C. Conversions<br>D. Ballpark Conversions (US/Metric)  | 2 wks.   |
|         | 4.10                         | <b>Measurement of Weight</b><br>A. Estimation<br>B. Actual Measurement<br>C. Conversions<br>D. Ballpark Conversions (US/Metric)  | 1 wk.    |
|         | 4.12                         | <b>Measurement of Volume</b><br>A. Estimation<br>B. Actual Measurement<br>C. Conversions<br>D. Ballpark Conversions (US/Metric)  | 1 wk.    |
|         | 4.13                         | <b>Area and Perimeter</b><br>A. Vocabulary<br>B. Standard (Actual Measurement)<br>C. Non-Standard (Tiles, Units, etc.)   | 1 wk.    |
|         | All Fourth Grade SOLs        | <b>SOL Review/Testing</b>  | 2 wks.   |
|         | All                          | <b>Extension</b>   | 1 wk.    |
|         | <b>Total</b>                 |  |          |

