All units are written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units. Mathematical expectations are interwoven and will 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.

All units will include the Mathematical Practices and include skills to maintain.

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| **Mathematical Practices** | | | |
| **MP1:** Make sense of problems and  persevere in solving them. | **MP2:** Reason abstractly and quantitatively | **MP3:** Construct viable arguments and  critique the reasoning of others. | **MP4:** Model with mathematics. |
| **MP5:** Use appropriate tools  strategically | **MP6:** Attend to precision. | **MP7:** Look for and make use of  structure | **MP8:** Look for and express regularity in repeated reasoning. |

**Grade 6 Common Core State Standards for Mathematics (CCSSM)**

The Number System (NS), Ratios and Proportional Relationships (RP), Expressions and Equations (EE), Geometry (G),

Statistics and Probability (SP)

**Grade 6 Grade-level Expectations (GLE)**

Ratios and Proportions (RP), Number Sense and Operations (NS), Equations, Expressions and Inequalities (EEI),

Geometry and Measurement (GM), Data Analysis, Statistics and Probability (DSP)

FIRST QUARTER

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Unit 1 | | | | Unit 2 | |
| **Chapter 1** | | **Chapter 2** | | **Chapter 3** | |
| **Rate and Ratio** | | **Fractions, Decimals and Percent** | | **Computation with Multi-digit Numbers** | |
| 3 weeks  (15 days) | | 3 weeks  (15 days) | | 3 weeks  (15 days) | |
| CCSSM  6.RP.A.1  6.RP.A.2  6.RP.A.3a  6.RP.A.3b | GLE  6.RP.A.1  6.RP.A.2  6.RP.A.3a  6.RP.A.3b | CCSSM  6.RP.A.3c  6.NS.A.1  6.NS.B.3  6.NS.B.4 | GLE  6.RP.A.3c  6.NS.A.1  6.NS.A.1a  6.NS.B.3  6.NS.B.4a  6.NS.B.4.b | CCSSM  6.NS.B.2  6.NS.B.3  6.NS.B.4 | GLE |

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| **Mathematical Practices** | | | |
| **MP1:** Make sense of problems and  persevere in solving them. | **MP2:** Reason abstractly and quantitatively | **MP3:** Construct viable arguments and  critique the reasoning of others. | **MP4:** Model with mathematics. |
| **MP5:** Use appropriate tools  strategically | **MP6:** Attend to precision. | **MP7:** Look for and make use of  structure | **MP8:** Look for and express regularity in repeated reasoning. |

SECOND QUARTER

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Unit 2 (Continued) | | | | Unit 3 | |
| **Chapter 4** | | **Chapter 5** | | **Chapter 6** | |
| **Division of Fractions** | | **Integers, Rational Numbers**  **and the Coordinate Plane** | | **Expressions** | |
| 2 weeks  (10 days) | | 4 weeks  (20 days) | | 2 weeks  (10 days) | |
| CCSSM  6.NS.A.1  6.NS.B.2 | GLE  6.NS.A.1  6.NS.A.1a  6.NS.B.2 | CCSSM  6.NS.C.5  6.NS.C.6a  6.NS.C.6b  6.NS.C.6c  6.NS.C.7a  6.NS.C.7b  6.NS.C.7c  6.NS.C.7d  6.NS.C.8  6.G.A.3 | GLE  6.NS.C.5  6.NS.C.6c  6.GM.A.3a  6.GM.A.3b  6.NS.C.6a  --------  6.NS.C.6b  6.NS.C.7  --------  6.GM.A.3c  6.GM.A.3d | CCSSM  6.EE.A.1  6.EE.A.2a  6.EE.A.2b  6.EE.A.2c  6.EE.A.3  6.EE.A.4 | GLE  6.EEI.A.2  6.EEI.A.2d  6.EEI.A.2a  6.EEI.A.2b  6.EEI.A.3  **6.EEI.A.2c**  **6.EEI.A.2e** |

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| **Mathematical Practices** | | | |
| **MP1:** Make sense of problems and  persevere in solving them. | **MP2:** Reason abstractly and quantitatively | **MP3:** Construct viable arguments and  critique the reasoning of others. | **MP4:** Model with mathematics. |
| **MP5:** Use appropriate tools  strategically | **MP6:** Attend to precision. | **MP7:** Look for and make use of  structure | **MP8:** Look for and express regularity in repeated reasoning. |

THIRD QUARTER

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| --- | --- | --- | --- | --- | --- |
| Unit 3 (Continued) | | | | Unit 4 | |
| **Chapter 7** | | **Chapter 8** | | **Chapter 9** | |
| **Equations** | | **Inequalities** | | **Area** | |
| 3 weeks  (15 days) | | 3 weeks  (15 days) | | 2 weeks  (10 days) | |
| CCSSM  6.EE.B.5  6.EE.B.6  6.EE.B.7 | GLE  6.EEI.B.4  6.EEI.B.5  6.EEI.B.6  6.EEI.B.7 | CCSSM  6.EE.B.8  6.EE.C.9  6.RP.A.3d | GLE  6.EEI.B.8  6.EEI.B.8a  6.EEI.B.8b  6.EEI.C.9  6.EEI.C.9a  6.EEI.C.9b  6.RP.A.3d | CCSSM  6.G.A.1 | GLE  6.GM.A.1 |

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| **Mathematical Practices** | | | |
| **MP1:** Make sense of problems and  persevere in solving them. | **MP2:** Reason abstractly and quantitatively | **MP3:** Construct viable arguments and  critique the reasoning of others. | **MP4:** Model with mathematics. |
| **MP5:** Use appropriate tools  strategically | **MP6:** Attend to precision. | **MP7:** Look for and make use of  structure | **MP8:** Look for and express regularity in repeated reasoning. |

FOURTH QUARTER

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| --- | --- | --- | --- | --- | --- | --- |
| Unit 4 (Continued) | | Unit 5 | | | |  |
| **Chapter 10** | | **Chapter 11** | | **Chapter 12** | |  |
| Volume and Surface Area | | Statistical Measures | | Statistical Displays | | **Review and Test** |
| 2 weeks  (10 days) | | 2 weeks  (10 days) | | 3 weeks  (10 days) | | 2 week  (10 days) |
| CCSSM  6.G.A.2  6.G.A.4 | GLE  6.GM.A.2  6.GM.A.2a  6.GM.A.2b  6.GM.A.4a  6.GM.A.4b | CCSSM  6.SP.A.1  6.SP.A.2  6.SP.A.3 | GLE  6.DSP.A.1  6.DSP.A.2  6.DSP.A.3 | CCSSM  6.SP.A.4  6.SP.B.5a  6.SP.B.5b  6.SP.B.5c  6.SP.B.5d | GLE  6.DSP.A.4  6.DSP.A.5a  6.DSP.A.5b  6.DSP.A.5c  6.DSP.A.5d | All Standards |

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| **Mathematical Practices** | | | |
| **MP1:** Make sense of problems and  persevere in solving them. | **MP2:** Reason abstractly and quantitatively | **MP3:** Construct viable arguments and  critique the reasoning of others. | **MP4:** Model with mathematics. |
| **MP5:** Use appropriate tools  strategically | **MP6:** Attend to precision. | **MP7:** Look for and make use of  structure | **MP8:** Look for and express regularity in repeated reasoning. |