

GRADE 7 REGULAR MATH

| MAJOR UNITS/TOPICS | ASSESSMENTS/PROJECTS |
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| <p>Unit 1: The Number System</p> <ul style="list-style-type: none"> ● Representing Rational Numbers on the Number Line ● Writing Rational Numbers as Decimals ● Introducing Irrational Numbers ● Introducing the Real Number System ● Introducing Significant Digits | <p>In class assignments, homework, tests/quizzes, projects, will be designed to fit each class setting.</p> |
| <p>Unit 2: The Number System</p> <ul style="list-style-type: none"> ● Adding Integers ● Subtracting Integers ● Multiplying and Dividing Integers ● Operations with Integers ● Operations with Rational Numbers | <p>In class assignments, homework, tests/quizzes, projects, will be designed to fit each class setting.</p> |
| <p>Unit 3: Expressions and Equations</p> <ul style="list-style-type: none"> ● Adding Algebraic Terms ● Subtracting Algebraic Terms ● Simplifying Algebraic Expressions ● Factoring Algebraic Expressions ● Writing Algebraic Expressions ● Real-World Problems: Algebraic Reasoning | <p>In class assignments, homework, tests/quizzes, projects, will be designed to fit each class setting.</p> |

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| <p>Unit 4: Expressions and Equations</p> <ul style="list-style-type: none"> ● Understanding Equivalent Equations ● Solving Algebraic Equations ● Real-World Problems: Algebraic Equations ● Solving Algebraic Inequalities ● Real-World Problems: Algebraic Inequalities | <p>In class assignments, homework, tests/quizzes, projects, will be designed to fit each class setting.</p> |
| <p>Unit 5: Ratios and Proportional Relationships</p> <ul style="list-style-type: none"> ● Understanding Direct Proportion ● Representing Direct Proportion Graphically ● Solving Direct Proportion Problems ● Understanding Inverse Proportion | <p>In class assignments, homework, tests/quizzes, projects, will be designed to fit each class setting.</p> |
| <p>Unit 6: Geometry</p> <ul style="list-style-type: none"> ● Complementary, Supplementary, and Adjacent Angles ● Angles that share a vertex ● Alternate Interior, Alternate Exterior, and Corresponding Angles ● Interior and Exterior Angles | <p>In class assignments, homework, tests/quizzes, projects, will be designed to fit each class setting.</p> |
| <p>Unit 7: Geometry</p> <ul style="list-style-type: none"> ● Constructing Perpendicular Bisectors ● Constructing Angle Bisectors ● Constructing Triangles ● Constructing Quadrilaterals ● Understanding Scale Drawings | <p>In class assignments, homework, tests/quizzes, projects, will be designed to fit each class setting.</p> |

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| <p>Unit 8: Geometry</p> <ul style="list-style-type: none"> ● Recognizing Cylinders, cones, spheres, and pyramids ● Finding Volume and surface area of cylinders ● Finding Volume and surface area of pyramids and cones ● Finding Volume and surface area of spheres ● Real-World Problems: Composite Solids | <p>In class assignments, homework, tests/quizzes, projects, will be designed to fit each class setting.</p> |
| <p>Unit 9: Statistics and probability</p> <ul style="list-style-type: none"> ● Interpreting Quartiles and Interquartile Range ● Stem-and-Leaf Plots ● Understanding Box Plots and Mean Absolute Deviation ● Understanding Random Sampling Methods ● Making Inferences About Populations | <p>In class assignments, homework, tests/quizzes, projects, will be designed to fit each class setting.</p> |
| <p>Unit 10: Statistics and Probability</p> <ul style="list-style-type: none"> ● Defining Outcomes, Events, and Sample Space ● Finding Probability of Events ● Approximating Probability and Relative Frequency ● Developing Probability Models | <p>In class assignments, homework, tests/quizzes, projects, will be designed to fit each class setting.</p> |