



WEST SHORE SCHOOL DISTRICT
Pacing Guide: Grade 7 Math

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4	Rational Numbers
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9	Expressions, Equations, Inequalities
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20	Proportional Relationships
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Module 1A- Integers (3 weeks)

Four operations of integer, add & subtract w/ & w/out a number line, absolute value, compare & order integers, real-world application

Module 1- Rational Numbers (6 weeks)

Repeating & terminating decimals, equivalent fractions, compare & ordering rational & irrational numbers, square roots, adding & subtracting fractions & decimals (w/& w/out positives/negatives), multiplying & dividing rational numbers, reciprocal, real-world applications including estimation

Module 2- Expressions, Equations, & Inequalities (7 weeks)

Writing Algebraic Expressions, simplifying & evaluating algebraic expressions, solving one & two step equations using inverse operations, writing inequalities

Module 3- Geometry (4 weeks)

Supplementary, complementary, adjacent angles, vertical angles, parallel & perpendicular lines & angles formed within a transversal, properties of triangles, triangle sum theorem, triangle inequality theorem

Module 4- Proportional Relationships (7 weeks)

Ratios, rates, unit prices, complex fractions, writing & solving proportions, scale, scale factor, similar figures, cross products, corresponding sides & angles, represent proportional & non-proportional relationships using equations & graphs, constant of proportionality, percent increase & decrease, sales tax, discount, simple interest, gratuities

Module 5- Statistics (2 weeks)

Measures of central tendency & variability mean absolute deviation, comparing statistics, range, quartiles, & interquartile range, population, simulation, random sampling, misleading graphs, biased & unbiased samples,

Module 6- Probability (3 weeks)

Language of probability, equally likely, likely event, unlikely event, certain, $P(\text{event})$ & $P(\text{not event})$, probability, relative frequency, theoretical & experimental probability, tree diagrams, independent & dependent events, compound events, simple events, random sampling

Module 7- Geometry (4 weeks)

Area & circumference of circles, area & perimeter of triangle, square, parallelogram, trapezoid, area for compound/composite figures, surface area & volume of right prism, cross sections (cube, rectangular prism, rectangular pyramid, triangular pyramid, right rectangle pyramid)



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