

## Curriculum

<b>Content Area:</b>	<b>MATHEMATICS</b>	<b>Grade Level:</b>	<b>7</b>
<b>MLR Content Standard:</b>	<b>A. Number:</b> Students use numbers in everyday and mathematical contexts to quantify or describe phenomena, develop concepts of operations with different types of numbers, use the structure and properties of numbers with operations to solve problems, and perform mathematical computations. Students develop number sense related to magnitude, estimation, and the effects of mathematical operations on different types of numbers.		
<b>MLR Performance Indicators</b>	<b>WSD Benchmarks</b>	<b>Instruction Level*</b>	<b>Common Assessment</b>
<i>Instruction Levels: I = Introduced; R = Reinforced; E = Evaluated through a Documented Classroom Activity; D = District Common Assessment</i>			
A	Know basic math facts up to 12	RE	
A	Multiply decimals up to three decimal places and divide with decimals where both the divisor and the dividend have up to three decimal places	RE	
A	Convert between scientific notation and standard form	IR	
A1	Recognize that rational numbers can be negative or positive and that they are quotients of integers	IRE	
A1	Compare signed rational numbers (integers, fractions and decimals) and place them on a number line	RE	
A2	Utilize the order of operations to solve problems using signed rational numbers and exponents	IRE	
A2	Compute with signed rational numbers	IRE	
A3	Use ratios and proportions to compare quantities and solve problems	RE	
A3	Multiply and divide mixed numbers	RE	
A4	Solve practical problems using percents	IRE	

\*Codes indicate the highest instructional level of that grade level and may include an earlier level of instruction.

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<b>MLR Content Standard:</b>	<b>B. Data:</b> Students make measurements and collect, display, evaluate, analyze and compute with data to describe phenomena and to make decisions based on data. Students compute statistics to summarize data sets and use concepts of probability to make predictions and describe the uncertainty inherent in data collection and measurement.		
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B1	Use graphs and charts to represent, organize, interpret, and draw inferences from data	RE	
B2	Describe probability events using the terms likely, unlikely, equally likely, certain, and impossible	RE	
B2	Determine the theoretical and experimental probability of simple events	IRE	
B2	Explain why zero and one are the upper and lower limits of probability	IRE	

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<b>MLR Content Standard:</b>	<b>C. Geometry:</b> Students use measurement and observation to describe objects based on their sizes and shapes, construct two- and three-dimensional objects, solve problems involving geometric properties, compute areas and volumes based on object properties and dimensions, and perform transformations on geometric figures.		
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C1	Identify and name straight angles, angles at a point & vertical angles	RE	
C1	Use straight angles, angles at a point, and vertical angles to find measures of unknown angles	IRE	
C1	Identify and determine the measure of complementary and supplementary angles	IRE	
C2	Solve problems involving the area and perimeter of combined figures	RE	
C3	Identify similar figures and name corresponding parts	RE	
C3	Use the concept of scale factors to enlarge, reduce, and recognize the invariance of shape	RE	

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<b>MLR Content Standard:</b>	<b>D. Algebra:</b> Students use symbols to represent quantities, patterns and relationships and use symbolic manipulation to evaluate expressions and solve equations. Students solve problems using symbols, tables, graphs and verbal rules choosing the most effective representation and converting among representations.		
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D1	Create and evaluate expressions using integers and rational numbers	RE	
D2	Recognize and solve linear equations in the form of $ax+b=c$	IRE	
D3	Use inverse operations to show directly proportional relationships for one-step equations	RE	
D3	Recognize directly proportional relationships by information in a table, graph, or formula	RE	

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