

Grade 6 Math Curriculum Map

Grade 6 mathematics is about:

- (1) Connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems
- (2) Completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers
- (3) Writing, interpreting, and using expressions and equations
- (4) Developing understanding of statistical thinking

- [Arizona Mathematics Standards Grade 6](#)
- The standard number is designed for recording purposes and does not imply instructional sequence or importance.
- Our governing board adopted curriculum resources are Open Up Resources 6-8 Math and Zearn Math.

Unit #	Unit Name	Key Content	Standards
0	Beginning of Year	<ul style="list-style-type: none"> • Up to five days may be spent focusing on routines, expectations, and building classroom community. 	
1	Area and Surface Area	<ul style="list-style-type: none"> • Reasoning to find area • Parallelograms • Triangles • Polygons • Surface area • Squares and cubes 	6.EE.A 6.EE.A.1 6.EE.A.2.a 6.EE.A.2.c 6.G.A.1 6.G.A.4
2	Introducing Ratios	<ul style="list-style-type: none"> • What are ratios? • Equivalent ratios • Representing equivalent ratios • Solving ratio and rate problems • Part-part-whole ratios 	6.RP.A.1 6.RP.A.2 6.RP.A.3 6.RP.A.3.a 6.RP.A.3.b
3	Unit Rates and Percentages	<ul style="list-style-type: none"> • Using unit rate to solve problem • Unit conversions • Rates • Percentages 	6.RP.A.2 6.RP.A.3 6.RP.A.3.c 6.RP.A.3.d 6.G.A.6
4	Dividing Fractions	<ul style="list-style-type: none"> • Making sense of division • Meaning of fraction division • Algorithm for fraction division • Fractions in lengths, areas, and volumes 	6.NS.A.1 6.G.A.1 6.G.A.2
5	Arithmetic in Base Ten	<ul style="list-style-type: none"> • Warming up to decimals • Adding and subtracting decimals • Multiplying decimals • Dividing decimals 	6.NS.B 6.NS.B.2 6.NS.B.3 6.EE.A

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			6.EE.A.4
6	Expressions and Equations	<ul style="list-style-type: none"> Equations in one variable Equal and equivalent Expressions with exponents Relationships between quantities 	6.EE.A.2.a 6.EE.A.2.c 6.EE.A.4 6.EE.B.5 6.EE.B.6 6.EE.B.7 6.EE.C.9 6.RP.A.3.b 6.RP.A.3.c
7	Rational Numbers	<ul style="list-style-type: none"> Negative numbers and absolute value Inequalities The coordinate plane Common factors and common multiples 	6.NS.C.5 6.NS.C.6 6.NS.C.6.a 6.NS.C.6.c 6.NS.C.7.a 6.NS.C.7.b 6.NS.C.7.c 6.NS.C.7.d 6.EE.B.6 6.EE.B.8, 6.EE.B.5 6.EE.B.6 6.NS.B.4
8	Data Sets and Distribution	<ul style="list-style-type: none"> Data, variability, and statistical questions Dot plots and histograms Mean and MAD Median and IQR Using box plots 	6.SP.B 6.SP.A, 6.SP.A.1 6.SP.B.5.b 6.SP.B.4 6.SP.B.5.a 6.SP.A.2 6.SP.B.5.a 6.SP.A.3 6.SP.B.5.c 6.SP.B.5.d
9	Putting it All Together	<ul style="list-style-type: none"> Synthesize and apply concepts of sixth grade math 	6.SP.B 6.SP.A, 6.SP.A.1 6.SP.B.5.b 6.SP.B.4 6.SP.B.5.a 6.SP.A.2

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			6.SP.B.5.a 6.SP.A.3 6.SP.B.5.c 6.SP.B.5.d
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