

MATHEMATICS CURRICULUM

Seventh Grade

Year at a Glance

A snapshot of learning that summarizes learning expectations from our district curriculum units.

Unit #	Description	Standards
1 13-15 days	Scale Drawings <ul style="list-style-type: none"> • Scaled copies • Scale drawings 	7.RP.A.2 7.RP.A.3 7.G.A.1 7.G.B.4 7.G.B.6
2 17 days	Introducing Proportional Relationships <ul style="list-style-type: none"> • Representing proportional relationships with tables • Representing proportional relationships with equations • Comparing proportional relationships and nonproportional relationships • Representing proportional relationships with graphs 	7.RP.A.1 7.RP.A.2 7.G.A.1 7.G.B.6 7.EE.A
3 11-13 days	Measuring circles <ul style="list-style-type: none"> • Circumference of a circle • Area of a circle 	7.RP.A.2 7.RP.A.3 7.EE.B.3 7.G.A.1 7.G.A.2 7.G.B.4
4 17-18 days	Proportional Relationships and Percentages <ul style="list-style-type: none"> • Proportional relationships with fractions • Percent increase and decrease • Applying percentages 	7.RP.A.1 7.RP.A.2 7.RP.A.3 7.NS.A.2 7.EE.A.1
5 19 days	Rational Number Arithmetic <ul style="list-style-type: none"> • Interpreting negative numbers • Adding and subtracting rational numbers • Multiplying and dividing rational numbers • Four operations with rational numbers • Solving equations when there are negative numbers 	7.RP.A.2 7.NS.A.1 7.NS.A.3 7.EE.B.3 7.EE.B.4
6 26 days	Expressions, Equations, and Inequalities <ul style="list-style-type: none"> • Representing situations of the form $px + q = r$ and $p(x + q) = r$ • Solving equations of the form $px + q = r$ and $p(x + q) = r$ and problems that lead to those equations • Inequalities • Writing equivalent expressions 	7.NS.A.1 7.EE.A.1 7.EE.A.2 7.EE.B.3 7.EE.B.4

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<p>7 19 days</p>	<p>Angles, Triangles, and Prisms</p> <ul style="list-style-type: none"> • Angle relationships • Drawing polygons with given conditions • Solid geometry 	<p>7.RP.A 7.NS.A.1 7.EE.A 7.EE.B.4 7.G.A.2 7.G.A.3 7.G.B.5 7.G.B.6</p>
<p>8 21-23 days</p>	<p>Probability and Sampling</p> <ul style="list-style-type: none"> • Probabilities of single step events • Probabilities of multi-step events • Sampling • Using samples 	<p>7.RP.A 7.NS.A.2 7.SP.A.1 7.SP.A.2 7.SP.B.3 7.SP.B.4 7.SP.C.5 7.SP.C.6 7.SP.C.7 7.SP.C.8</p>
<p>9 0-13 days</p>	<p>Putting it All Together (application of prior skills and concepts)</p> <ul style="list-style-type: none"> • Running a restaurant • Making connections • Designing a course 	<p>7.RP.A.1 7.RP.A.2 7.RP.A.3 7.NS.A.2 7.NS.A.3 7.EE.A.1 7.EE.B.4 7.SP.B.4 7.G.A.1 7.G.B.4 7.G.B.6</p>

1 day = 55 minutes