

Scope & Sequence
Subject: 8th Grade Math

Revised 5/26/2020



1 st Quarter (44 Days)			
Resources: Grade 8 GO MATH!			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 1	Ch 1 – Real Numbers Lesson 1-4	<u>TSW solve problems with:</u> Rational Numbers Powers and Exponents Negative Exponents Scientific Notation	8.2(C)
Week 2	Ch 1 – Real Numbers Lessons 5-8	<u>TSW solve problems with:</u> Roots Estimate Roots The Real Number System Compare and Order Real Numbers	8.2 (A) (B) (C) (D)
Week 3	Ch 2- Similarity and Dilations Lessons 1-4	<u>TSW solve problems with:</u> Properties of Similar Polygons Angle-Angle Similarity of Triangles Dilations Area and Perimeter of Similar Figures	8.3(A) (B) (C) 8.7 8.8(D) 8.10(D)
Week 4	Ch 3- Proportional Relationships and Slope Lessons 1-4	<u>TSW solve problems with:</u> Constant Rate of Change Slope Slope and Similar Triangles Equations in $y=mx$ Form	8.4 (A) (B) (C) 8.5 (A) (E) (F) 8.8
Week 5	Ch 3- Proportional Relationships and Slope Lessons 5-8	<u>TSW solve problems with:</u> Direct Variation Equations in $y=mx+b$ Form Graph a Line Using Intercepts Write Linear Equations	8.4(C) 8.5 (B) (C)(F) (I)
Week 6	Ch 4- Functions Lessons 1-3	<u>TSW solve problems with:</u> Represent Relationships Relations Functions	8.4(B) 8.5(A) (G)
Week 7	Ch 4 – Functions Lessons 4-6	<u>TSW solve problems with:</u> Linear Functions Proportional and Nonproportional Functions Write Equations of Functions	8.4(C) (F) 8.5(A) (G)(H) (I)

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Week 8	Ch 5- Triangles and the Pythagorean Theorem Lessons 1-5	<u>TSW solve problems with:</u> Parallel Lines and Angle Relationships Angle Sum and Exterior Angles of Triangles The Pythagorean Theorem Distance on the Coordinate Plane	8.8(D) 8.6(C) 8.7(C) (D)
Week 9	Review and Assessment	1st Benchmark	Review
Week 10	Review	Review	Review

2nd Quarter (43 Days)			
Resources: Gr 8 GO MATH!			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 1	Ch 6- Equations and Inequalities Lessons 1-3	<u>TSW solve problems with:</u> Solve Two Step Equations Write Two Step Equations Solve Equations with Variables on Each Side	8.8(A) (C)
Week 2	Ch 6 – Equations and Inequalities Lessons 4-6	<u>TSW solve problems with:</u> Solve Multi-Step Equations Inequalities with Variables on Each Side Solve Simultaneous Linear Equations	8.8 (A) (B) (C) 8.9
Week 3	Ch 7- Connect Algebra to Geometry Lessons 1-3	<u>TSW solve problems with:</u> Volume of Cylinders Volume of Cones Volume of Spheres	8.6 (A) (B) 8.7 (A)
Week 4	Review and Assessment	IOWA/ITBS Complete Battery Gr 3-8 TBD	Review
Week 5	Continue Ch 7 - Lessons 4-6	<u>TSW solve problems with:</u> Surface Area of Prisms Surface Area of Cylinders Changes in Dimensions	8.7(A) (B)

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Resources: Gr 8 GO MATH!			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 6	Ch 8 – Transformations and Congruence Lessons 1-3	<u>TSW solve problems with:</u> Translations Reflections Rotations	8.10 (A) (B) (C)
Week 7	Ch 8 – Transformations and Congruence Lessons 4-5	<u>TSW solve problems with:</u> Congruence and Transformations Congruence	8.10 (A) (B)
Week 8	Review and Assessment	2nd Benchmark	Review
Week 9	Review	<u>Review</u>	Review

3rd Quarter (43 Days)			
Resources: Gr 8 GO MATH!			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 1	Ch 9- Scatterplots and Data Analysis Lessons 1-3	<u>TSW solve problems with:</u> Scatterplots and Associations Use Trend Lines to Make Predictions Descriptive Statistics	8.5 (C) (D) 8.11 (A)
Week 2	Ch 9- Scatterplots and Data Analysis Lessons 4-6	<u>TSW solve problems with:</u> Mean/ Absolute Deviation Analyze Data Distribution Random Samples	8.11 (B) (C)
Week 3	Review	1st Mock STAAR	Review
Week 4	Ch 10 - Financial Literacy Lessons 1-3	<u>TSW solve problems with:</u> Loans and Interest Rates Savings and Interest Shopping: Payment Methods	8.12 (A) (B) (C) (D) (E)
Week 5	Ch 10- Financial Literacy Lessons 4-5	<u>TSW solve problems with:</u> Financial Responsibility	8.12 (F) (G)

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3rd Quarter (43 Days)			
Resources: Gr 8 GO MATH!			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
		Saving for College	
Week 6	Review	Review	Review
Week 7	Review	2nd Mock STAAR	Review
Week 8	Math Labs and Projects	Review	Review
Week 9	Review and assessment	3rd Benchmark(opt)	Review and assessment

4th Quarter (46 Days)			
Resources: Gr 8 GO MATH!			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
Week 1	Review and assessment	3rd Mock STAAR(opt)	Review
Week 2	Review and assessment	Review and assessment	Review
Week 3	Review and assessment	STAAR TBD: April 6: STAAR Gr 8 Math April 7: STAAR Gr 8 Reading	Review
Week 4	Math Labs and Projects	Review	Review
Week 5	Review and assessment	Review and assessment	Review
Week 6	Math Labs and Projects	Review	Review
Week 7	Review and assessment	STAAR TBD: May 6: STAAR- Gr 8 Science May 7: STAAR- Gr 8 Social Studies	Review
Week 8	Review and assessment	Review	Review

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Week 9	Review and assessment	Final Benchmark(opt)	Review
Week 10	Graduation Preparation	Review	Review