

1 st Quarter (44 Days)			
Resources: Math, McGraw Hill (2025)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1 st : Aug 11-14 (4 days)	Introduction/ Assessment	Assessment Policies & Procedures Behavior expectations: CHAMPS	Diagnostics & start of the school year procedures
2 nd : Aug 17-21 (5 days)	Unit - 1 Rational Numbers	TSWL: Rational Numbers Relationships between rational numbers Add and Subtract Rational Numbers Multiply and Divide Integers Add, Subtract, Multiply, and Divide Fractions and Mixed Numbers	7.2 Number and operations. The student applies mathematical process standards to represent and use rational numbers in various forms. 7.3(A) add, subtract, multiply, and divide rational numbers fluently 7.3(B) apply and extend previous understandings of operations to solve problems using addition, subtraction, multiplication, and division of rational numbers
3 rd : Aug 24-28 (5 days)	Unit - 1 Rational Numbers	TSWL: Rational Numbers Relationships between rational numbers Add and Subtract Rational Numbers, Multiply and Divide Integers Add, Subtract, Multiply, and Divide Fractions and Mixed Numbers	7.2 Number and operations. The student applies mathematical process standards to represent and use rational numbers in a variety of forms. 7.3(A) add, subtract, multiply, and divide rational numbers fluently 7.3(B) apply and extend previous understandings of operations to solve problems using addition, subtraction, multiplication, and division of rational numbers
4 th : Aug- Sept 31-4 (5 days)	Unit - 1 Rational Numbers	TSWL: Rational Numbers Relationships between rational numbers Add and Subtract Rational Numbers Multiply and Divide Integers Add, Subtract, Multiply, and Divide Fractions and Mixed Numbers	7.2 Number and operations. The student applies mathematical process standards to represent and use rational numbers in a variety of forms. 7.3(A) add, subtract, multiply, and divide rational numbers fluently 7.3(B) apply and extend previous understandings of operations to solve problems using addition, subtraction, multiplication, and division of rational numbers
5 th : Sept 8-11 (4 days)	Monday: Labor Day Holiday Unit - 2 Proportional Relationships	TSWL: Unit rates Complex fractions Convert unit rates Proportional and non- proportional relationships Constant of proportionality Rate of change Graph proportional relationships	7.4(A) represent constant rates of change in mathematical and real-world problems given pictorial, tabular, verbal, numeric, graphical, and algebraic representations, including $d = rt$ 7.4(B) calculate unit rates from rates in mathematical and real-world problems 7.4(C) determine the constant of proportionality ($k = y/x$) within mathematical and real-world problems 7.4(D) solve problems involving ratios, rates, and percents, including multi step problems involving percent increase and percent decrease, and financial literacy problems



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			7.4(E) convert between measurement systems, including the use of proportions and the use of unit rates
6 th : Sept 14-18 (5 days)	Unit - 2 Proportional Relationships	TSWL: Unit rates Complex fractions Convert unit rates Proportional and non- proportional relationships Constant of proportionality Rate of change Graph proportional relationships	7.4(A) represent constant rates of change in mathematical and real-world problems given pictorial, tabular, verbal, numeric, graphical, and algebraic representations, including $d = rt$ 7.4(B) calculate unit rates from rates in mathematical and real-world problems 7.4(C) determine the constant of proportionality ($k = y/x$) within mathematical and real-world problems 7.4(D) solve problems involving ratios, rates, and percents, including multi- step problems involving percent increase and percent decrease, and financial literacy problems 7.4(E) convert between measurement systems, including the use of proportions and the use of unit rates
7 th : Sept 21-25 (5 days)	Unit - 2 Proportional Relationships	TSWL: Unit rates Complex fractions Convert unit rates Proportional and non- proportional relationships Constant of proportionality Rate of change Graph proportional relationships	7.4(A) represent constant rates of change in mathematical and real-world problems given pictorial, tabular, verbal, numeric, graphical, and algebraic representations, including $d = rt$ 7.4(B) calculate unit rates from rates in mathematical and real-world problems 7.4(C) determine the constant of proportionality ($k = y/x$) within mathematical and real-world problems 7.4(D) solve problems involving ratios, rates, and percents, including multi-step problems involving percent increase and percent decrease, and financial literacy problems 7.4(E) convert between measurement systems, including the use of proportions and the use of unit rates
8 th : Sept-oct 28-2 (5 days)	Unit - 3 Apply Proportionality to Percent	TSWL: Estimation of percentage Percent of a number Percent proportions Percent equations Percent of change Sales tax, tip, markup, and discount Simple & compound interest	7.4(D) solve problems involving ratios, rates, and percents, including multi step problems involving percent increase and percent decrease, and financial literacy problems 7.13(E) calculate and compare simple interest and compound interest earnings
9 th : Oct 5-8 (4 days)	Friday oct 9th PD Unit - 3 Apply Proportionality to Percent	TSWL: Estimation of percentage Percent of a number Percent proportions Percent equations	7.4(D) solve problems involving ratios, rates, and percents, including multi step problems involving percent increase and percent decrease, and financial literacy problems 7.13(E) calculate and compare simple interest and compound interest earnings



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Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
		Percent of change Sales tax, tip, markup, and discount Simple & compound interest	

2nd Quarter (45 Days)

Resources:
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Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1st: Oct 14-16 (2 days)	School closed 12-13 Unit - 4 Apply Proportionality to Geometry	TSWL: Scale drawings Attributes of similar figures Changes in dimensions - perimeter and area, Circumference of a circle	7.5(A) Generalize the critical attributes of similarity, including ratios within and between similar shapes 7.5(B) Describe pi as the ratio of the circumference of a circle to its diameter 7.5(C) Solve mathematical and real-world problems involving similar shape and scale drawings
2nd: Oct 19-23 (5 days)	Unit - 4 Apply Proportionality to Geometry	TSWL: Scale drawings Attributes of similar figures Changes in dimensions - perimeter and area, Circumference of a circle	7.5(A) Generalize the critical attributes of similarity, including ratios within and between similar shapes 7.5(B) Describe pi as the ratio of the circumference of a circle to its diameter 7.5(C) solve mathematical and real-world problems involving similar shape and scale drawings
3rd: Oct 26-29 (4 days)	Friday: Parent/Teacher Conferences Unit - 4 Apply Proportionality to Geometry	TSWL: Scale drawings Attributes of similar figures Changes in dimensions - perimeter and area, Circumference of a circle	7.5(A) Generalize the critical attributes of similarity, including ratios within and between similar shapes 7.5(B) describe pi as the ratio of the circumference of a circle to its diameter 7.5(C) solve mathematical and real-world problems involving similar shape and scale drawings
4th: Nov 2-6 (5 days)	Unit - 5 Apply Proportionality to Probability	TSWL: Probability of simple events Sample spaces Theoretical probability Experimental probability Probability of compound events Simulations Independent and dependent events	7.6(A) represent sample spaces for simple and compound events using lists and tree diagrams 7.6(C) make predictions and determine solutions using experimental data for simple and compound events 7.6(D) make predictions and determine solutions using theoretical probability for simple and compound events 7.6(E) find the probabilities of a simple event and its complement and describe the relationship between the two 7.6(H) solve problems using qualitative and quantitative predictions and comparisons from simple experiments 7.6(I) determine experimental and theoretical probabilities related to simple



2nd Quarter (45 Days)

Resources:
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Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
			and compound events using data and sample spaces
5 th : Nov 9-13 (5 days)	Unit - 5 Apply Proportionality to Probability	TSWL: Probability of simple events Sample spaces Theoretical probability Experimental probability Probability of compound events Simulations Independent and dependent events	7.6(A) represent sample spaces for simple and compound events using lists and tree diagrams 7.6(C) make predictions and determine solutions using experimental data for simple and compound events 7.6(D) make predictions and determine solutions using theoretical probability for simple and compound events 7.6(E) find the probabilities of a simple event and its complement and describe the relationship between the two 7.6(H) solve problems using qualitative and quantitative predictions and comparisons from simple experiments 7.6(I) determine experimental and theoretical probabilities related to simple and compound events using data and sample spaces
6 th : Nov 16-20 (5 days)	Unit - 5 Apply Proportionality to Probability	TSWL: Probability of simple events Sample spaces Theoretical probability Experimental probability Probability of compound events Simulations Independent and dependent events	7.6(A) represent sample spaces for simple and compound events using lists and tree diagrams 7.6(C) make predictions and determine solutions using experimental data for simple and compound events 7.6(D) make predictions and determine solutions using theoretical probability for simple and compound events 7.6(E) find the probabilities of a simple event and its complement and describe the relationship between the two 7.6(H) solve problems using qualitative and quantitative predictions and comparisons from simple experiments 7.6(I) determine experimental and theoretical probabilities related to simple and compound events using data and sample spaces
7 th : Nov 23-27	Thanksgiving Holiday		
8 th : Nov- Dec 30-4 (5 days)	Unit - 6 Linear Relationships	TSWL: Linear relationships Equations of linear relationships Slope Slope intercept form Equations from tables and graphs	7.7 Expressions, equations, and relationships. The student applies mathematical process standards to represent linear relationships using multiple representations 7.7(A) represent linear relationships using verbal descriptions, tables, graphs, and equations that simplify to the form $y = mx + b$
9 th : Dec 7-11 (5 days)	Unit - 6 Linear Relationships	TSWL: Linear relationships Equations of linear relationships Slope	7.7 Expressions, equations, and relationships. The student applies mathematical process standards to represent linear relationships using multiple representations 7.7(A) represent linear relationships using verbal descriptions, tables, graphs,



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Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
		Slope intercept form Equations from tables and graphs	and equations that simplify to the form $y = mx + b$
10 th : Dec 14-18 (5 days)	Unit - 6 Linear Relationships	TSWL: Linear relationships Equations of linear relationships Slope Slope intercept form Equations from tables and graphs	7.7 Expressions, equations, and relationships. The student applies mathematical process standards to represent linear relationships using multiple representations 7.7(A) represent linear relationships using verbal descriptions, tables, graphs, and equations that simplify to the form $y = mx + b$
Winter Break Dec 23-Jan 6			

3rd Quarter (42 Days)

Resources: Math, McGraw Hill (2025)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1 st : Jan 6-8 (3 days)	Monday: Professional Development Unit - 6 Linear Relationships	TSWL: Linear relationships Equations of linear relationships Slope Slope intercept form Equations from tables and graphs	7.7 Expressions, equations, and relationships. The student applies mathematical process standards to represent linear relationships using multiple representations 7.7(A) represent linear relationships using verbal descriptions, tables, graphs, and equations that simplify to the form $y = mx + b$
2 nd : Jan 11-15 (5 days)	Unit - 7 Equations and Inequalities	TSWL: To solve one step equations To solve equations with rational coefficients To solve and write two step equations To solve two step equations using the distributive property To solve one step inequalities To solve and write two step inequalities	7.10(A) Write one-variable, two-step equations and inequalities to represent constraints or conditions within problems 7.10(C) write a corresponding real-world problem given a one-variable, twostep equation or inequality 7.11(A) model and solve one-variable, two-step equations and inequalities 7.11(B) determine if the given value(s) make(s) one-variable, two-step equations and inequalities true
3 rd : Jan 19-22 (4 days)	Monday: MLK Holiday Unit - 7 Equations and Inequalities	TSWL: To solve one step equations To solve equations with rational coefficients To solve and write two step equations	7.10(A) write one-variable, two-step equations and inequalities to represent constraints or conditions within problems 7.10(C) write a corresponding real-world problem given a one-variable, twostep equation or inequality 7.11(A) model and solve one-variable, two-step equations and inequalities



3rd Quarter (42 Days)

Resources: Math, McGraw Hill (2025)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
		To solve two step equations using the distributive property To solve one step inequalities To solve and write two step inequalities	7.11(B) determine if the given value(s) make(s) one-variable, two-step equations and inequalities true
4 th : Jan 25-29 (5 days)	1/21: 100 Days of School Unit - 7 Equations and Inequalities	TSWL: To solve one step equations To solve equations with rational coefficients To solve and write two step equations To solve two step equations using the distributive property To solve one step inequalities To solve and write two step inequalities	7.10(A) write one-variable, two-step equations and inequalities to represent constraints or conditions within problems 7.10(C) write a corresponding real-world problem given a one-variable, twostep equation or inequality 7.11(A) model and solve one-variable, two-step equations and inequalities 7.11(B) determine if the given value(s) make(s) one-variable, two-step equations and inequalities true
5 th : Feb 1-5 (5 days)	Unit - 8 Develop Geometry with algebra	TSWL: Angle relationships Supplementary & complementary angles Sums of angles in triangles Area of a circle Area of composite figures Volume of prisms Volume of pyramids Surface area of rectangular prisms Surface area of triangular prisms Surface area of pyramids	7.8(A) model the relationship between the volume of a rectangular prism and a rectangular pyramid having both congruent bases and heights and connect that relationship to the formulas 7.8(C) use models to determine the approximate formulas for the circumference and area of a circle and connect the models to the actual formulas 7.9(A) solve problems involving the volume of rectangular prisms, triangular prisms, rectangular pyramids, and triangular pyramids 7.9(B) determine the circumference and area of circles 7.9(C) determine the area of composite figures containing combinations of rectangles, squares, parallelograms, trapezoids, triangles, semicircles, and quarter circles 7.9(D) solve problems involving the lateral and total surface area of a rectangular prism, rectangular pyramid, triangular prism, and triangular pyramid by determining the area of the shape's net 7.11(C) write and solve equations using geometry concepts, including the sum of the angles in a triangle, and angle relationship
6 th : Feb 8-12 (5 days) District Professional Development	Unit - 8 Develop Geometry with algebra	TSWL: Angle relationships Supplementary & complementary angles Sums of angles in triangles Area of a circle Area of composite figures Volume of prisms	7.8(A) model the relationship between the volume of a rectangular prism and a rectangular pyramid having both congruent bases and heights and connect that relationship to the formulas 7.8(C) use models to determine the approximate formulas for the circumference and area of a circle and connect the models to the actual formulas 7.9(A) solve problems involving the volume of rectangular prisms, triangular



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Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
		Volume of pyramids Surface area of rectangular prisms Surface area of triangular prisms Surface area of pyramids	prisms, rectangular pyramids, and triangular pyramids 7.9(B) determine the circumference and area of circles 7.9(C) determine the area of composite figures containing combinations of rectangles, squares, parallelograms, trapezoids, triangles, semicircles, and quarter circles 7.9(D) solve problems involving the lateral and total surface area of a rectangular prism, rectangular pyramid, triangular prism, and triangular pyramid by determining the area of the shape's net 7.11(C) write and solve equations using geometry concepts, including the sum of the angles in a triangle, and angle relationship
7th: Feb 16-19 (5 days)	School closed 15th Feb Unit - 8 Develop Geometry with algebra	TSWL: Angle relationships Supplementary & complementary angles Sums of angles in triangles Area of a circle Area of composite figures Volume of prisms Volume of pyramids Surface area of rectangular prisms Surface area of triangular prisms Surface area of pyramids	7.8(A) model the relationship between the volume of a rectangular prism and a rectangular pyramid having both congruent bases and heights and connect that relationship to the formulas 7.8(C) use models to determine the approximate formulas for the circumference and area of a circle and connect the models to the actual formulas 7.9(A) solve problems involving the volume of rectangular prisms, triangular prisms, rectangular pyramids, and triangular pyramids 7.9(B) determine the circumference and area of circles 7.9(C) determine the area of composite figures containing combinations of rectangles, squares, parallelograms, trapezoids, triangles, semicircles, and quarter circles 7.9(D) solve problems involving the lateral and total surface area of a rectangular prism, rectangular pyramid, triangular prism, and triangular pyramid by determining the area of the shape's net 7.11(C) write and solve equations using geometry concepts, including the sum of the angles in a triangle, and angle relationship
8th : Feb 22-26 (5 days)	Unit - 8 Develop Geometry with Algebra	TSWL: Angle relationships Supplementary & complementary angles Sums of angles in triangles Area of a circle Area of composite figures Volume of prisms Volume of pyramids Surface area of rectangular prisms	7.8(A) model the relationship between the volume of a rectangular prism and a rectangular pyramid having both congruent bases and heights and connect that relationship to the formulas 7.8(C) use models to determine the approximate formulas for the circumference and area of a circle and connect the models to the actual formulas 7.9(A) solve problems involving the volume of rectangular prisms, triangular prisms, rectangular pyramids, and triangular pyramids 7.9(B) determine the circumference and area of circles



3rd Quarter (42 Days)

Resources: Math, McGraw Hill (2025)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
		Surface area of triangular prisms Surface area of pyramids	7.9(C) determine the area of composite figures containing combinations of rectangles, squares, parallelograms, trapezoids, triangles, semicircles, and quarter circles 7.9(D) solve problems involving the lateral and total surface area of a rectangular prism, rectangular pyramid, triangular prism, and triangular pyramid by determining the area of the shape's net 7.11(C) write and solve equations using geometry concepts, including the sum of the angles in a triangle, and angle relationship
		Spring and Ramadan break 1-12	
1 st : Mar 15-19 (5 days)	Unit - 9 Statistics and sampling	TSWL: Bar graphs Dot plots Circle graphs To make a prediction about a population To understand biased and unbiased samples To understand and interpret misleading graphs and statistics Compare populations To select an appropriate display	7.6(F) use data from a random sample to make inferences about a population 7.6(G) solve problems using data represented in bar graphs, dot plots, and circle graphs, including part to whole and part to part comparisons and equivalents 7.12(A) compare two groups of numeric data using comparative dot plots or box plots by comparing their shapes, centers, and spreads 7.12(B) use data from a random sample to make inferences about a population 7.12(C) compare two populations based on data in random samples from these populations, including informal comparative inferences about differences between the two populations

4th Quarter (49 Days)

Resources: Math, McGraw Hill (2025)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
3 rd : March 22-26 (5 days)	Unit - 9 Statistics and sampling	TSWL: Bar graphs Dot plots Circle graphs To make predictions about populations Biased and unbiased samples To interpret misleading graphs and statistics To compare populations To select appropriate display	7.6(F) use data from a random sample to make inferences about a population 7.6(G) solve problems using data represented in bar graphs, dot plots, and circle graphs, including part to whole and part to part comparisons and equivalents 7.12(A) compare two groups of numeric data using comparative dot plots or box plots by comparing their shapes, centers, and spreads 7.12(B) use data from a random sample to make inferences about a population 7.12(C) compare two populations based on data in random samples from these populations, including informal comparative inferences about



4th Quarter (49 Days)			
Resources: Math, McGraw Hill (2025)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
			differences between the two populations
4 th : March-April 29-2 (5 days)	Unit - 9 Statistics and sampling	TSWL: Bar graphs Dot plots Circle graphs To make predictions about populations Biased and unbiased samples To interpret misleading graphs and statistics To compare populations To select appropriate display	7.6(F) use data from a random sample to make inferences about a population 7.6(G) solve problems using data represented in bar graphs, dot plots, and circle graphs, including part to whole and part to part comparisons and equivalents 7.12(A) compare two groups of numeric data using comparative dot plots or box plots by comparing their shapes, centers, and spreads 7.12(B) use data from a random sample to make inferences about a population 7.12(C) compare two populations based on data in random samples from these populations, including informal comparative inferences about differences between the two populations
5 th : Apr 5-9 (5 day)	Unit - 10 Personal Financial Literacy	TSWL: Sales and income tax Personal and family budgets Assets and liabilities Simple & compound interest Monetary incentives	7.13(A) calculate the sales tax for a given purchase and calculate income tax for earned wages 7.13(B) identify the components of a personal budget, including income; planned savings for college, retirement, and emergencies; taxes; and fixed and variable expenses, and calculate what percentage each category comprises of the total budget 7.13(C) create and organize a financial assets and liabilities record and construct a net worth statement 7.13(D) use a family budget estimator to determine the minimum household budget and average hourly wage needed for a family to meet its basic needs in the student's city or another large city nearby 7.13(E) calculate and compare simple interest and compound interest earnings 7.13(F) analyze and compare monetary incentives, including sales, rebates, and coupons
6 th : April 12-16 (5 days)	Unit - 10 Personal Financial Literacy	TSWL: Sales and income tax Personal and family budgets Assets and liabilities Simple & compound interest Monetary incentives	7.13(A) calculate the sales tax for a given purchase and calculate income tax for earned wages 7.13(B) identify the components of a personal budget, including income; planned savings for college, retirement, and emergencies; taxes; and fixed and variable expenses, and calculate what percentage each category comprises of the total budget 7.13(C) create and organize a financial assets and liabilities record and construct a net worth statement



4th Quarter (49 Days)

Resources: Math, McGraw Hill (2025)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
			7.13(D) use a family budget estimator to determine the minimum household budget and average hourly wage needed for a family to meet its basic needs in the student's city or another large city nearby 7.13(E) calculate and compare simple interest and compound interest earnings 7.13(F) analyze and compare monetary incentives, including sales, rebates, and coupons
7 th : April 19-23 (5 days)	STAAR	Review	Review
8 th : April 26th-30 (5 days)	STAAR	Review	Review
9 th : May 3-7 (5 days)	STAAR	Review	Review
10 th : May 10-14 (5 days)	Assessment	Assessment	Assessment
11 th : May 19-21 (5 days)	Award Ceremonies / Graduation Ceremonies		