



1 st Quarter (44 Days)			
Resources: Math, McGraw Hill (2022)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1 st : Aug 8-9 (2 days)	Introduction/ Assessment	Assessment Policies & Procedures Behavior expectations: CHAMPS	Diagnostics & start of the school year procedures
2 nd : Aug 12-16 (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
3 rd : Aug 19-23 (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 27-30 (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 2-6 (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 7.4(E) convert between measurement systems, including the use of proportions and the use of unit rates



1 st Quarter (44 Days)			
Resources: Math, McGraw Hill (2022)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
6 th : Sept 9-13 (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 16-20 (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 23-27 (4 days)	Friday: Professional Development 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 : Sept 30 - Oct 4 (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	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



1 st Quarter (44 Days)			
Resources: Math, McGraw Hill (2022)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
		Simple & compound interest	
10 th : Oct 7-11 (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

2 nd Quarter (45 Days)			
Resources: Math, McGraw Hill (2022)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1 st : Oct 14-18 (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
2 nd : Oct 21-25 (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
3 rd : Oct 28 - Nov 1 (4 days)	Monday: 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
4 th : Nov 4-8 (5 days)	Unit - 5 Apply Proportionality to Probability	TSWL: Probability of simple events Sample spaces Theoretical probability Experimental probability Probability of compound 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



2nd Quarter (45 Days)			
Resources: Math, McGraw Hill (2022)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
		Simulations Independent and dependent 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
5 th : Nov 11-15 (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 18-22 (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 25-29	Thanksgiving Holiday		
8 th : Dec 2-6 (5 days)	Unit - 6 Linear Relationships	TSWL: Linear relationships Equations of linear relationships Slope Slope intercept form	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 $y = mx + b$



2nd Quarter (45 Days)			
Resources: Math, McGraw Hill (2022)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
9 th : Dec 9-13 (5 days)	Unit - 6 Linear Relationships	Equations from tables and graphs 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 $y = mx + b$
10 th : Dec 16-20 (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 (2022)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1 st : Jan 6-10 (4 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 13-17 (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	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



3rd Quarter (42 Days)			
Resources: Math, McGraw Hill (2022)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
3 rd : Jan 20-24 (4 days)	Monday: MLK Holiday Unit - 7 Equations and Inequalities	To solve and write two step 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
4 th : Jan 27-31 (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 3-7 (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



3rd Quarter (42 Days)			
Resources: Math, McGraw Hill (2022)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
<p>6th: Feb 10-14 (4 days) District Professional Development</p>	<p>Unit - 8 Develop Geometry with algebra</p>	<p>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</p>	<p>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</p>
<p>7th: Feb 17-21 (5 days)</p>	<p>Unit - 8 Develop Geometry with algebra</p>	<p>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</p>	<p>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</p>



3rd Quarter (42 Days)

Resources:
Math, McGraw Hill (2022)

Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
8 th : Feb 24-28 (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
9 th : Mar 3-7 (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
10 th : Mar 10- 14	Spring Break March 10-14		

4th Quarter (49 Days)

Resources:
Math, McGraw Hill (2022)

Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1 st : Mar 17- 21 (5 days)	Unit - 9 Statistics and sampling	TSWL: Bar graphs	7.6(F) use data from a random sample to make inferences about a population



4th Quarter (49 Days)			
Resources: Math, McGraw Hill (2022)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
		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(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
2nd: Mar 24- 28	Ramadan/Eid Break - Monday (March 24-31)		
3rd: March 31 -April 4 (4 days)	Ramadan/Eid Break (March 24-31) 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
4th: April 7-11 (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 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



4th Quarter (49 Days)

Resources:
Math, McGraw Hill (2022)

Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
5 th : Apr 14-18 (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 21- 25 (5 days)	STAAR	Review	Review
7 th : April 28-May 2 (5 days)	STAAR	Review	Review
8 th : May 5- 9 (5 days)	STAAR	Review	Review
9 th : May 12-16 (5 days)	Assessment	Assessment	Assessmen
10 th : May 19- 23 (5 days)	Award Ceremonies / Graduation Ceremonies		