

Amplify Desmos Math Texas, Kindergarten, Scope and Sequence

The following shows the scope and sequence of Amplify Desmos Math Texas, Kindergarten, that outlines the concepts, knowledge, and skills of the course aligned to the Texas Essential Knowledge and Skills (TEKS) and the Texas English Language Proficiency Standards (ELPS) for Kindergarten.

Unit 1: Beginning Number Concepts			
Lesson	Title Concepts, Knowledge, and Skills	TEKS	ELPS
Sub-unit 1: Exploring Math Tools			
1.01	Connecting Cubes Exploring Math Tools Explore, build with, and describe the characteristics and uses of connecting cubes.	Building Toward K.2.C, Building Toward K.6.F, Building Toward K.7.A, Building Toward K.8.A Process TEKS: K.1.E	1.C, 1.E, 2.B, 2.C, 2.E, 2.F
1.02	Pattern Blocks Exploring Math Tools Explore, build with, and describe the characteristics and uses of pattern blocks.	K.2.A Process TEKS: K.1.E	1.C, 1.E, 2.C, 2.D, 2.E, 2.F
1.03	Solid Shapes Exploring Math Tools Explore, build with, and describe the characteristics and uses of solid shapes.	Building Toward K.6.B, Building Toward K.6.E Process TEKS: K.1.C	1.C, 1.E, 2.C, 2.D, 2.E, 2.F
1.04	Counters and 5-Frames Exploring Math Tools Explore and describe the characteristics and uses of counters and 5-frames.	K.2.A Process TEKS: K.1.E	1.D, 1.E, 2.C, 2.D, 2.E, 2.F, 3.D, 3.F
1.05	Math Tools Exploring Math Tools Use math tools to build pictured objects and fill in simple puzzles, and explain how different math tools are used.	Building Toward K.2.C, Building Toward K.6.A Process TEKS: K.1.C	1.C, 1.E, 2.B, 2.D, 2.E, 2.F
Sub-unit 2: Subitizing and Representing Quantities Up to 4			
1.06	Skye's Style Recognizing Small Groups Recognize and describe groups of objects in the classroom, and subitize groups of up to 4 objects or images.	K.2.D Process TEKS: K.1.C	1.E, 2.B, 2.C, 2.D, 2.E, 2.F
1.07	Matching Groups Subitize to Identify Groups of Objects With the Same Quantity Subitize to identify equivalent groups and justify how they are the same and different.	K.2.D Process TEKS: K.1.C	1.B, 1.C, 1.E, 2.B, 2.D, 2.E, 2.F

1.08	Packing Up School Supplies Subitizing Small Groups Subitize and identify equivalent groups of up to 4 images, and explain mental strategies for subitizing.	K.2.D Process TEKS: K.1.C	1.B, 1.C, 1.E, 1.F, 2.B, 2.D, 2.E, 2.F
1.09	Skye Goes Shopping Subitizing and Representing Small Groups Subitize groups of up to 4 images and represent the quantities with math tools.	K.2.B, K.2.D Process TEKS: K.1.C, K.1.D, K.1.E	1.B, 1.C, 1.E, 2.B, 2.D, 2.E, 2.F
1.10	Designing Shoes With Skye Representing Groups With the Same Quantity Subitize groups of up to 4 images and represent the quantities with drawings.	K.2.B, K.2.D Process TEKS: K.1.C, K.1.D, K.1.E	1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.D, 3.F
1.11	Are There Enough? Using One-to-One Matching to Determine if Groups Have the Same Quantity Create equivalent groups using movements or sounds, and answer “are there enough?” questions about groups of up to 4.	K.2.D, K.2.E Process TEKS: K.1.A, K.1.D	1.D, 1.E, 2.C, 2.D, 2.E, 2.F
1.12	Getting Enough Using One-to-One Matching to Create Groups With Enough Objects Create equivalent groups using objects and drawings, and answer “are there enough?” questions about groups of up to 10.	K.2.E Process TEKS: K.1.A	1.E, 2.B, 2.D, 2.E, 2.F
Sub-unit 3: Counting Groups of Objects Up to 10			
1.13	Sara Helps Out Using One-to-One Correspondence to Determine a Quantity Determine the quantities of groups of up to 10 objects by saying 1 number for each object.	K.2.A, K.2.B, K.2.C, K.2.E Process TEKS: K.1.A	1.C, 1.E, 1.F, 2.C, 2.D, 2.E, 2.F, 3.D, 3.F
1.14	Counting in the Cafeteria Developing an Understanding of Cardinality and Conservation Determine the quantities of groups of up to 10 objects, and understand that the last number said tells how many there are in the group.	K.2.A, K.2.B, K.2.C, K.2.E Process TEKS: K.1.C, K.1.F	1.C, 1.E, 1.F, 2.B, 2.D, 2.E, 2.F
1.15	Charlie Helps Coach Kelley Using Strategies to Keep Track When Counting Determine the quantities of groups of up to 10 objects, and explain strategies for keeping track while counting.	K.2.A, K.2.C Process TEKS: K.1.C	1.E, 1.F, 2.B, 2.D, 2.E, 2.F, 3.D, 3.F

1.16	Ms. Khan's Book Baggies Using Math Tools to Keep Track When Counting Determine the quantities of groups of up to 10 objects using various math tools, and explain strategies for keeping track while counting.	K.2.A, K.2.C Process TEKS: K.1.C	1.E, 1.F, 2.B, 2.C, 2.E, 2.F
1.17	Principal Mack's Problem Different Ways to Represent Quantity Determine the quantities of groups of up to 10 objects using math tools, and represent a quantity using drawings.	K.2.A, K.2.B, K.2.C, K.2.D Process TEKS: K.1.D, K.1.E	1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F
1.18	Sharing More About You Asking and Answering "How many?" Questions Ask and answer "how many?" questions of groups of up to 10 objects, and use math tools to represent a real-world object.	K.2.A, K.2.C Process TEKS: K.1.C	1.D, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.E

Unit 2: Numbers 1–10

Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS
Sub-unit 1: Counting and Comparing Objects				
2.01	Explore: Cafeteria Math What math can we find in the cafeteria? Mathematize the world by going to the cafeteria and noticing and wondering about the math that takes place there.		Building Toward K.2.C Process TEKS: K.1.A, K.1.B	1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F
2.02	Fingers as Math Tools Representing Numbers With Fingers Recognize and represent quantities from 1 to 10 on fingers to consider fingers as math tools.		K.2.A, K.2.B, K.2.C, K.2.D, K.2.E Process TEKS: K.1.E, K.1.F	1.A, 1.B, 1.C, 1.E, 1.F, 2.B, 2.E
2.03	Moving and Grooving Counting the Same Group of Objects in Different Arrangements Determine the quantity of groups of up to 10 objects and justify whether the arrangement of objects changes the quantity.		K.2.C Process TEKS: K.1.F, K.1.G	1.B, 1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F
2.04	More, Fewer, or the Same Comparing Quantities in 2 Groups Compare the quantities of 2 groups using the words <i>more</i> , <i>fewer</i> , and <i>same</i> .		K.2.C, K.2.D, K.2.G Process TEKS: K.1.D, K.1.G	1.A, 1.B, 1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 3.C, 3.E, 3.F
2.05	Fingers and Counters Making Groups With More, Fewer, or the Same Number of Objects		K.2.C, K.2.D, K.2.E, K.2.G Process TEKS: K.1.D, K.1.G	1.B, 1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.D, 3.F

	Use fingers and objects to make groups that have more, fewer, or the same number of objects as a given group.		
2.06	Comparing Words Producing Comparison Statements About 2 Groups of Objects Justify whether a comparison statement describes 2 groups of objects.	K.2.C, K.2.D, K.2.G Process TEKS: K.1.D, K.1.G	1.E, 2.C, 2.D, 2.E, 2.F
Sub-unit 2: Counting and Comparing Images			
2.07	Seats at the Table Counting and Keeping Track of Images Count organized and scattered groups of up to 10 images and justify whether the order of counting changes the quantity.	K.2.B, K.2.C Process TEKS: K.1.F	1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.H
2.08	Preparing the Tables Matching One-to-One to Compare Groups of Images Compare groups of up to 10 images and justify comparisons.	K.2.C, K.2.G Process TEKS: K.1.A	1.B, 1.E, 2.B, 2.D, 2.E, 2.F
2.09	Fingers and 5-Frames Comparing Groups of Images Use the $5 + n$ structure to compare two groups of images and make groups that have more than, fewer than, or the same as a given group.	K.2.C, K.2.G Process TEKS: K.1.G	1.C, 1.D, 1.E, 2.B, 2.D, 2.E, 2.F, 3.A, 3.E
2.10	Forest Friends Determining Which Group Has More or Fewer Images Identify multiple groups of images that have more than, fewer than, or the same number as a given group.	K.2.C, K.2.G Process TEKS: K.1.G	1.B, 1.C, 1.E, 1.F, 2.B, 2.E, 2.F
2.11	Drawing Groups Drawing Groups With More, Fewer, or the Same Number of Images Draw groups that have more, fewer, or the same number of images as a given group.	K.2.C, K.2.E, K.2.G Process TEKS: K.1.D, K.1.G	1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.D, 3.F
Sub-unit 3: Connecting Quantities and Numbers			
2.12	Which Number Is It? Using Written Numerals to Tell How Many Objects Determine the number of objects in a group to represent quantity with a written numeral.	K.2.B, K.2.C Process TEKS: K.1.D, K.1.E	1.A, 1.B, 1.C, 1.E, 1.F, 2.B, 2.D, 2.E, 3.A, 3.E
2.13	That Number Looks Different Using Written Numerals to Tell How Many Images Match written numerals to multiple groups of images in various arrangements.	K.2.B, K.2.C, K.2.D Process TEKS: K.1.D, K.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F
2.14	Showing Numbers Representing Written Numerals With Groups of Objects	K.2.C, K.2.D, K.2.E	1.E, 1.F, 2.C, 2.D, 2.E, 2.F

	Count out a group of objects to represent a written numeral and represent the same quantity in multiple ways.	Process TEKS: K.1.D, K.1.E	
2.15	Drawing Numbers Representing Written Numerals With Groups of Images Draw groups of images to represent a written numeral.	K.2.B, K.2.C, K.2.D, K.2.E Process TEKS: K.1.D, K.1.E	1.E, 2.B, 2.C, 2.D, 2.E, 2.F
2.16	How Many? Showing Quantities in Different Ways Count groups of images and represent quantities with a written numeral and a drawing.	K.2.B, K.2.C, K.2.D Process TEKS: K.1.D, K.1.E, K.1.F	1.E, 2.B, 2.C, 2.D, 2.E, 2.F
Sub-unit 4: Comparing Numbers			
2.17	Cooking Tools Arranging Groups and Numbers in Ascending or Descending Order Organize written numerals and groups of objects in ascending or descending order.	K.2.B, K.2.E Process TEKS: K.1.F	1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F
2.18	What's Missing? Finding 1 More and 1 Less Than a Given Number Identify 1 more and less than a given number.	K.2.A, K.2.B, K.2.E, K.2.F Process TEKS: K.1.F	1.A, 1.B, 1.C, 1.E, 2.B, 2.E, 2.F
2.19	Numbers, Lots of Ways Representing and Comparing Quantities Represent numbers up to 10 with objects, drawings, and written numerals to compare quantities.	K.2.B, K.2.G Process TEKS: K.1.E	1.E, 2.C, 2.D, 2.E, 2.F
2.20	Two Ways to Compare Comparing Written Numerals and Groups of Images Compare numbers from 1 to 10 represented as written numerals and groups of images.	K.2.A, K.2.G Process TEKS: K.1.F, K.1.G	1.B, 1.E, 1.F, 2.B, 2.D, 2.E, 2.F
2.21	More or Less Comparing 2 Written Numerals Comparing written numerals 1–10.	K.2.A, K.2.B, K.2.H Process TEKS: K.1.F	1.E, 2.C, 2.E, 2.F
2.22	Selling Smoothies Writing and Comparing Numerals Represent spoken number words 1–10 as groups of images and written numerals, and compare the numerals.	K.2.B, K.2.E, K.2.H Process TEKS: K.1.E, K.1.F	1.E, 2.C, 2.E, 2.F

Unit 3: Shapes, Coins, and Financial Literacy

Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS
Sub-unit 1: Identifying, Sorting, and Creating Shapes				

3.01	Explore: Shapes in Our Communities Which shape will you see the most in your partner's community? Predict which shape will be used the most in representations of a place or places in their communities.	Building Toward K.6.A Process TEKS: K.1.A, K.1.B, K.1.F	1.E, 2.B, 2.C, 2.E, 3.E
3.02	What We Know About Shapes Developing Language to Describe Shapes Look for and describe shapes in illustrations.	K.6.D Process TEKS: K.1.F	1.B, 1.C, 1.E, 2.B, 2.E, 2.F, 3.D, 3.E, 3.F
3.03	Which Shapes Match? Matching Shapes of Different Sizes and Orientations Identify matching shapes regardless of size or orientation.	K.6.E Process TEKS: K.1.F	1.A, 1.B, 1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 3.A, 3.E
3.04	Comparing Shapes Describing and Comparing Shapes Compare two-dimensional shapes by describing their sides and corners.	K.6.D Process TEKS: K.1.F, K.1.G	1.A, 1.B, 1.C, 1.D, 1.E, 2.B, 2.C, 2.D, 2.E, 3.A, 3.D, 3.E, 3.F
3.05	So Much Sorting Sorting Images of Objects and Shapes Sort shapes into given categories by describing and comparing their attributes.	K.2.A, K.2.B, K.2.C, K.5.A, K.6.D, K.6.E, K.8.A Process TEKS: K.1.F, K.1.G	1.B, 1.C, 1.D, 1.E, 2.B, 2.C, 2.E, 3.D, 3.F
3.06	What's That Shape Called? Identifying Circles and Triangles Identify and describe circles and triangles to develop understanding of their attributes.	K.6.A, K.6.D, K.6.E Process TEKS: K.1.F, K.1.G	1.A, 1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 3.C, 3.D, 3.E, 3.F
3.07	Another Shape Identifying Rectangles and Comparing Their Lengths Identify and describe rectangles to develop understanding of their attributes and compare the lengths of rectangles.	K.6.A, K.6.D, K.6.E, K.7.B Process TEKS: K.1.F, K.1.G	1.A, 1.B, 1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.D, 3.F
3.08	Building Shapes With Straws Building Shapes and Comparing Side Lengths Build and describe shapes and compare the lengths of 2 objects.	K.2.A, K.2.B, K.5.A, K.6.A, K.6.F, K.7.B Process TEKS: K.1.F	1.A, 1.B, 1.C, 1.E, 2.B, 2.D, 2.E, 3.D, 3.F
3.09	Polytopia's Annual Kite Festival Sorting Shapes Into Subcategories Sort shapes into given categories and subcategories based on their attributes and classifications.	K.6.A, K.6.D, K.6.E Process TEKS: K.1.F	1.E, 1.F, 2.B, 2.E, 2.F, 3.D, 3.F
3.10	Points and Lines Drawing Shapes and Describing Their Attributes Apply understanding of the attributes of shapes to describe and draw shapes.	K.6.A, K.6.D, K.6.F Process TEKS: K.1.G	1.A, 1.B, 1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.F
3.11	Shapes Are Everywhere Describing and Naming Shapes in the Environment	K.6.A, K.6.C, K.6.D, K.6.F	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F

	Name shapes in the environment and describe their attributes.	Process TEKS: K.1.E, K.1.G		
Sub-unit 2: Identifying and Sorting Coins				
3.12	Coins! Introducing Pennies, Nickels, Dimes, and Quarters Describe characteristics of each coin by noticing similarities and differences between pennies, nickels, dimes, and quarters.	Building Toward K.4.A Process TEKS: K.1.A	1.A, 1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.B, 3.C, 3.D, 3.F, 4.B	
3.13	Mixed Up Money Sorting and Identifying Coins Sort coins based on characteristics in order to identify pennies, nickels, dimes, and quarters by name.	K.2.B, K.2.C, K.4.A, K.8.A Process TEKS: K.1.G	1.E, 2.B, 2.E, 2.F, 3.F	
3.14	What's That Coin Called? Naming All Four Coins identify pennies, nickels, dimes, and quarters by name and use characteristics of each coin, including the front and back image of each coin, to justify the name of each coin.	K.2.D, K.4.A Process TEKS: K.1.D, K.1.G	1.E, 2.C, 2.D, 2.E, 2.F, 3.F	
Sub-unit 3: Financial Literacy				
3.15	Apples or Teddy Bears? Distinguishing Between Wants and Needs Identify and sort examples of wants and needs to justify why each example represents either a want or a need.	K.2.A, K.5.A, K.9.D Process TEKS: K.1.G	1.B, 1.E, 2.B, 2.C, 2.E, 2.F, 3.E	
3.16	Where Does Money Come From? Differentiating Between Earning Income and Receiving Gifts Identify different ways to earn an income and justify situations as either money earned as income or received as a gift.	K.2.D, K.9.A, K.9.B, K.9.D Process TEKS: K.1.F, K.1.G	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 3.E, 3.F	
3.17	Jobs in Our Community Skills Needed for Different Jobs Describe simple skills needed to do different jobs in the community.	K.2.D, K.9.C Process TEKS: K.1.A, K.1.D	1.A, 1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E	
Unit 4: Understanding Addition and Subtraction				
Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS
Sub-unit 1: Counting to Add and Subtract				

4.01	Explore: Casey's Town What math questions can we ask and answer about stories? Connect literacy and math skills by asking and answering mathematical questions about the Unit Story.	Building Toward K.3.B Process TEKS: K.1.A, K.1.C	1.E, 2.B, 2.C, 2.D, 2.E, 2.F
4.02	How Many Objects? Joining 2 Groups to Determine the Total Amount of Objects Determine the total number of objects given 2 groups of objects, with a total of up to 10 objects.	K.2.C, K.2.I, K.3.A Process TEKS: K.1.F, K.1.G	1.A, 1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.C, 3.F
4.03	How Many Objects in Pictures? Joining 2 Groups to Determine The Total Amount of Images Determine the total number of images given 2 organized groups, with a total of up to 10 images.	K.2.A, K.2.B, K.2.C, K.2.I, K.3.A, K.5.A Process TEKS: K.1.F	1.B, 1.E, 2.B, 2.E, 2.F, 3.A, 3.C, 3.F
4.04	How Will You Count? Counting Organized and Scattered Groups of Objects and Images Determine the total number of objects or images given 2 groups that are arranged differently.	K.2.A, K.2.B, K.2.C, K.2.I, K.3.A, K.5.A Process TEKS: K.1.F	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F
4.05	What Does It Mean to Add? Representing Addition With Objects Use objects to represent addition and explain what it means to add.	K.2.B, K.3.A, K.3.C, K.5.A Process TEKS: K.1.F, K.1.G	1.A, 1.B, 1.C, 1.E, 2.B, 2.D, 2.E, 2.F, 3.C, 3.F
4.06	What Does It Mean to Subtract? Representing Subtraction With Objects Use objects to represent subtraction and explain what it means to subtract.	K.2.B, K.2.D, K.3.A, K.3.C Process TEKS: K.1.D, K.1.F, K.1.G	1.A, 1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.C, 3.F
4.07	The Bus Depot Adding and Subtracting in the World Interpret addition and subtraction in a real-world situation and determine the total or difference.	K.2.B, K.2.D, K.3.A Process TEKS: K.1.A, K.1.D	1.B, 1.E, 1.F, 2.C, 2.D, 2.E, 2.F
Sub-unit 2: Representing and Solving Story Problems			
4.08	Math Stories Representing Addition and Subtraction Math Stories Interpret a picture to tell a math story and act out <i>Add To and Take From</i> math stories.	K.3.A Process TEKS: K.1.E	1.E, 1.F, 2.B, 2.D, 2.E, 2.F, 3.F
4.09	A Trip to the Grocery Store Using Objects to Represent Math Stories	K.3.A Process TEKS: K.1.E, K.1.F,	1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F

	Represent <i>Add To and Take From</i> math stories with objects and create a math story when given a context.	K.1.G	
4.10	More Grocery Store Stories Solving Story Problems Consider mathematical questions about <i>Add To and Take From</i> math stories and solve an <i>Add To, Result Unknown</i> story problem.	K.3.A, K.3.B, K.3.C Process TEKS: K.1.F, K.1.G	1.D, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.E, 3.F, 3.G, 3.H
4.11	The Mail Carrier Making Predictions About the Unknown Quantity in a Story Problem Make predictions about and solve for the unknown quantity in <i>Add To and Take From, Result Unknown</i> story problems.	K.3.A, K.3.B, K.3.C Process TEKS: K.1.B, K.1.C, K.1.F	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.E
4.12	One Story, Two Drawings Comparing the Organization of Story Problem Drawings Compare drawings that represent the same story problem and represent and solve an <i>Add To, Result Unknown</i> story problem.	K.3.A, K.3.B, K.3.C Process TEKS: K.1.C, K.1.D, K.1.E, K.1.F, K.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.E, 3.F, 3.G, 3.H
4.13	Trash Day Drawing to Show Subtraction in Story Problems and the Concept of Zero Represent and solve <i>Take From, Result Unknown</i> story problems using a drawing and recognize the value of 0.	K.2.A, K.3.B, K.3.C, K.5.A Process TEKS: K.1.E, K.1.F, K.1.G	1.A, 1.B, 1.C, 1.E, 2.B, 2.C, 2.E, 2.F, 3.F
4.14	Our Story Problems Creating and Solving Addition and Subtraction Story Problems Create, solve, and compare <i>Add To, Result Unknown and Take From, Result Unknown</i> story problems.	K.2.A, K.3.B Process TEKS: K.1.E, K.1.F	1.D, 1.E, 2.E, 2.F
Sub-unit 3: Addition and Subtraction Expressions			
4.15	Exploring Expressions Introducing Expressions Recognize the meaning of the plus and minus signs and represent and solve <i>Add To and Take From, Result Unknown</i> story problems.	K.3.B, K.3.C Process TEKS: K.1.E, K.1.F	1.A, 1.B, 1.C, 1.D, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F
4.16	Expressions and Story Problems Using Expressions to Represent Story Problems Justify how expressions represent story problems.	K.2.A, K.5.A, Building Toward K.3.C Process TEKS: K.1.D, K.1.F	1.E, 2.B, 2.C, 2.D, 2.E, 2.F
4.17	Expressions and Drawings Connecting Expressions and Drawings	K.3.A Process TEKS: K.1.D, K.1.F	1.E, 2.B, 2.C, 2.D, 2.E, 2.F

	Write expressions that represent drawings, create drawings to represent expressions, and explain how an expression and a drawing match.		
4.18	What Is the Value? Finding the Values of Expressions Determine the values of addition and subtraction expressions.	K.2.I, K.3.A, K.3.C Process TEKS: K.1.D, K.1.F	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.G
4.19	Casey Cleans the Park Adding and Subtracting 0 and 1 Determine the values of expressions in which 1 addend is 0 or 1 and the subtrahend is 0 or 1.	K.2.F, K.3.A, K.3.C Process TEKS: K.1.C, K.1.D, K.1.F, K.1.G	1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F
4.20	Show and Tell Telling Story Problems to Match Expressions Tell a story problem that matches an expression, and write an expression and explain how it represents a story problem.	K.2.A, K.3.A, K.3.C, K.5.A Process TEKS: K.1.D, K.1.E, K.1.F	1.E, 2.C, 2.E, 2.F

Unit 5: Make and Break Apart Numbers Within 105:

Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS
Sub-unit 1: Making and Breaking Apart Numbers Within 9				
5.01	Explore: Mystery Number How can we use clues to figure out what the mystery object looks like? Connect literacy and math skills by asking and answering mathematical questions about the Unit Story.		Building Toward K.2.I Process TEKS: K.1.A, K.1.B, K.1.D, K.1.G	1.E, 2.B, 2.C, 2.E, 2.F
5.02	Making and Breaking Apart Numbers Composing and Decomposing Numbers Compose and decompose numbers up to 9.		K.2.I Process TEKS: K.1.E, K.1.G	1.B, 1.E, 2.B, 2.D, 2.E, 2.F, 3.D, 3.F
5.03	Snapping Cubes Decomposing a Number Decompose numbers up to 9 in more than 1 way and represent each decomposition.		K.2.I, K.3.C Process TEKS: K.1.F, K.1.G	1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.D, 3.F
5.04	Number Sentences and Drawings Connecting Number Sentences and Drawings Match drawings with number sentences and develop an understanding of the equal sign.		K.2.I Process TEKS: K.1.F, K.1.G	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.F
5.05	Harry Explores the Ocean Looking for Patterns in Decompositions Decompose numbers up to 9 in more than 1 way and describe patterns in the		K.2.I Process TEKS: K.1.F, K.1.G	1.E, 1.F, 2.B, 2.C, 2.E, 2.F, 3.D, 3.F

	decompositions.		
Sub-unit 2: More Types of Story Problems			
5.06	At the Playground Making Sense of <i>Both Addends Unknown</i> Math Stories Make sense of and represent <i>Put Together/Take Apart, Both Addends Unknown</i> math stories.	K.2.I, K.3.A Process TEKS: K.1.B, K.1.D, K.1.G	1.B, 1.E, 2.B, 2.D, 2.E, 2.F, 3.D, 3.E, 3.F
5.07	In the Cafeteria Solving <i>Both Addends Unknown</i> Story Problems Solve <i>Put Together/Take Apart, Both Addends Unknown</i> story problems and represent each with a number sentence.	K.2.I, K.3.A, K.3.B, K.3.C Process TEKS: K.1.B, K.1.C, K.1.F, K.1.G	1.B, 1.C, 1.D, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.D, 3.F, 3.G, 3.H
5.08	In the Library Finding Multiple Solutions to <i>Both Addends Unknown</i> Story Problems Find more than 1 solution to a <i>Put Together/Take Apart, Both Addends Unknown</i> story problem.	K.2.I, K.3.A, K.3.B, K.3.C, K.5.A Process TEKS: K.1.D, K.1.E, K.1.F	1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.D, 3.F
5.09	In the School Office Solving <i>Put Together/Take Apart, Total Unknown</i> Story Problems Compare, represent, and solve <i>Put Together/Take Apart, Total Unknown</i> and <i>Both Addends Unknown</i> story problems.	K.2.I, K.3.A, K.3.B Process TEKS: K.1.E, K.1.G	1.A, 1.E, 2.B, 2.D, 2.E, 2.F, 3.A, 3.F, 3.H, 4.C, 4.D, 4.F
5.10	In the Teachers' Lounge Solving Different Story Problems Match story problems with drawings and create a story problem to match a given drawing.	K.2.A, K.2.I, K.3.A, K.3.B, K.5.A Process TEKS: K.1.D, K.1.E, K.1.G	1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F
Sub-unit 3: Making and Breaking Apart 10			
5.11	Harry Is Home Representing Numbers on a 10-Frame Combine two 5-frames to create a 10-frame and represent quantities using 10-frames.	K.2.B, K.2.C, K.2.D, K.2.E, K.2.I Process TEKS: K.1.D, K.1.F	1.B, 1.E, 1.F, 2.B, 2.D, 2.E, 2.F
5.12	Number Sentences That Show 10 Matching Number Sentences With Different Representations of 10 Match addition number sentences with decompositions of 10 shown on 10-frames and record decompositions of 10 with drawings of fingers.	K.2.I, K.3.C Process TEKS: K.1.D, K.1.F, K.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A
5.13	Harry's Hamster Wheel Finding Pairs That Make 10	K.2.B, K.2.D, K.2.I, K.3.A, K.3.C	1.C, 1.D, 1.E, 2.B, 2.C, 2.D, 2.E,

	Find the number that makes 10 when added to a given number and fill in number sentences that represent compositions of 10.	Process TEKS: K.1.C, K.1.D, K.1.E, K.1.F, K.1.G	2.F
5.14	Harry Explores Space Relating Compositions and Decompositions of 10 to Expressions Find compositions and decompositions of 10 and represent them with number sentences.	K.2.B, K.2.I, K.3.C Process TEKS: K.1.F, K.1.G	1.B, 1.E, 1.F, 2.B, 2.C, 2.E, 2.F
5.15	Showing What We Know About 10 Decomposing 10 in More Than 1 Way Find and represent many ways to decompose 10 using drawings, expressions, or number sentences.	K.2.I, K.5.A Process TEKS: K.1.C, K.1.D, K.1.E, K.1.G	1.C, 1.E, 2.B, 2.C, 2.E, 2.F

Unit 6: Numbers 0–20

Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS
Sub-unit 1: Counting Groups of 11-20 Objects				
6.01	Explore: Packing Snacks How can we put together numbers to make 10 in multiple ways? Compose groups of exactly 10 objects and explore similarities and differences between representations.		Building Toward K.2.B Process TEKS: K.1.A, K.1.B, K.1.E, K.1.F	1.E, 2.B, 2.D, 2.E, 2.F
6.02	Getting Ready for the Game Counting Larger Groups of Objects Answer “how many?” questions about groups of 11–20 objects.		K.2.A, K.2.C, K.5.A Process TEKS: K.1.B, K.1.C, K.1.D	1.A, 1.B, 1.C, 1.E, 1.F, 2.B, 2.C, 2.E, 3.D, 3.F
6.03	How Many Stars? Keeping Track of Rearranged Objects Justify why the arrangement of objects does not change the number of objects.		K.2.A, K.2.B, K.2.C Process TEKS: K.1.B, K.1.C, K.1.G	1.B, 1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.C, 3.F
6.04	How Many Water Bottles? Counting Forward and Backward With Objects Up to 20 Count forward and backward to 20 with objects.		K.2.A, K.2.D, K.5.A Process TEKS: K.1.D, K.1.F, K.1.G	1.E, 2.C, 2.D, 2.E, 2.F, 4.C, 4.D, 4.F
Sub-unit 2: 10 Ones and Some More				
6.05	Pass, Shoot, Score Representing Teen Numbers on Fingers and 10-Frames Represent teen numbers on fingers and 10-frames, and make connections between the		K.2.A, K.2.B, K.2.C, K.2.D Process TEKS: K.1.D, K.1.E	1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F

	representations.		
6.06	Jersey Jam! Matching 10-Frames With Written Numerals Match written numerals with quantities of 11–19 shown on fingers and 10-frames.	K.2.B, K.2.C, K.2.E Process TEKS: K.1.F, K.1.G	1.B, 1.C, 1.E, 1.F, 2.B, 2.D, 2.E, 2.F, 3.A, 3.C, 3.D, 3.F
6.07	People at the Park Counting Larger Groups of Images Write a number to answer “how many?” questions about groups of 11–20 images shown in lines, arrays, and circular arrangements.	K.2.A, K.2.B, K.2.C Process TEKS: K.1.F	1.B, 1.E, 2.B, 2.C, 2.E, 2.F, 3.E
Sub-unit 3: Comparing Groups of Numbers 11-20			
6.08	One More, One Less Generating a Number that is One More or One Less Identify and write 1 more and 1 less than a number with and without objects.	K.2.A, K.2.B, K.2.F Process TEKS: K.1.F, K.1.G	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F
6.09	Comparing Groups of 11-20 Using Objects to Compare Groups Represent and compare groups of up to 20 objects using the language <i>more</i> , <i>fewer</i> , or the <i>same</i> .	K.2.B, K.2.G Process TEKS: K.1.D, K.1.G	1.B, 1.E, 2.C, 2.D, 2.E, 2.F
6.10	More, Less, and the Same Generating a Set That Represents a Number That is More, Less, or the Same as a Given Number Use objects and drawings to create groups that represent a number more than, less than, or the same as a given number.	K.2.B, K.2.E Process TEKS: K.1.D, K.1.F	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F
6.11	How Many Kicks? Comparing Numbers 11-20 Compare and describe 2 written numbers up to 20 and generate a number that is 1 more than or 1 less than a given number.	K.2.F, K.2.H, K.5.A Process TEKS: K.1.F, K.1.G	1.E, 2.C, 2.E, 2.F
6.12	Organizing Jerseys Ordering, Writing, and Matching Representations of Numbers 0-20 Order and write numbers 0–20 and identify and match representations of teen numbers.	K.2.A, K.2.B, K.2.C, K.2.H, K.3.A, K.5.A Process TEKS: K.1.D, K.1.E, K.1.F, K.1.G	1.E, 2.C, 2.D, 2.E, 2.F

Unit 7: Solid Shapes All Around Us

Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS
Sub-unit 1: Exploring, Adding, and Subtracting With Shapes				

7.01	Explore: River's Projects What kinds of shapes can we use to make one of River's projects? Build objects using three-dimensional shapes.	Building Toward K.6.C Process TEKS: K.1.A, K.1.B, K.1.F	1.B, 1.E, 2.B, 2.D, 2.E, 2.F, 3.A, 3.E
7.02	Solid Shapes Around Us Recognizing and Building Solid Shapes Recognize, find, and build three-dimensional shapes in the world.	K.6.B Process TEKS: K.1.A, K.1.F	1.A, 1.B, 1.C, 1.E, 2.B, 2.E, 3.C, 3.D, 3.E, 3.F
7.03	Sorting Solid Shapes Comparing and Sorting Solid Shapes Sort three-dimensional shapes into given categories by describing and comparing their attributes.	K.6.C, K.6.E Process TEKS: K.1.C, K.1.D, K.1.F, K.1.G	1.A, 1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E
7.04	What's That Shape? Identifying Solid Shapes Identify and describe cones, cubes, cylinders, and spheres and real-world examples of these shapes.	K.6.B, K.6.E Process TEKS: K.1.G	1.A, 1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.E
7.05	Shapes and Number Sentences Matching Number Sentences with Composite Shapes Match and represent number sentences with two- and three-dimensional shape compositions.	K.2.B, K.2.C, K.2.E, K.3.A, K.3.C, K.6.F Process TEKS: K.1.F, K.1.G	1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.D, 3.F
7.06	Subtracting Shapes Telling and Solving Subtraction Problems Tell and solve story problems about two- and three-dimensional shapes.	K.3.A, K.3.B, K.3.C Process TEKS: K.1.C	1.A, 1.B, 1.C, 1.D, 1.E, 2.B, 2.E, 3.D, 3.F
Sub-unit 2: Measurable Attributes			
7.07	Heavier or Lighter? Comparing the Weights of Two Objects Describe and compare the weights of objects, and understand weight as an attribute of three-dimensional shapes.	K.7.B Process TEKS: K.1.A, K.1.G	1.B, 1.D, 1.E, 2.B, 2.E, 3.D, 3.F
7.08	Which Can Hold More? Comparing the Capacities of Two Objects Describe and compare the capacities of objects, and understand capacity as an attribute of three-dimensional shapes.	K.5.A, K.7.B Process TEKS: K.1.A, K.1.B	1.B, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.D, 3.E, 3.F
7.09	So Many Ways to Compare Objects Identifying Measurable Attributes of Objects Identify, describe, and compare multiple measurable attributes of objects, including length, weight, and capacity.	K.7.A, K.7.B Process TEKS: K.1.A, K.1.G	1.A, 1.B, 1.C, 1.E, 2.B, 2.C, 2.E, 3.C

Sub-unit 3: Exploring Data			
7.10	Let's Face It! Introducing Real-Object Graphs Sort and organize data into categories to create a real-object graph.	K.6.C, K.6.E, K.8.A, K.8.B, K.8.C Process TEKS: K.1.D, K.1.E, K.1.G	1.A, 1.B, 1.C, 1.E, 2.B, 2.E, 3.A, 3.D, 3.E, 3.F
7.11	Thinking About Math Tools Collecting Data to Create Real-Object Graphs Collect and organize 2 categories of data to create and draw conclusions from a real-object graph.	K.8.A, K.8.B, K.8.C Process TEKS: K.1.D, K.1.E	1.B, 2.B, 2.E, 3.D, 3.E, 3.F
7.12	Picture the Data Creating Picture Graphs Collect and organize 3 categories of data to create a picture graph.	K.8.A, K.8.B Process TEKS: K.1.D, K.1.E	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 3.E
7.13	What Is True About the Data? Counting to Draw Conclusions About Picture Graphs Create and draw conclusions from a picture graph.	K.5.A, K.8.B, K.8.C Process TEKS: K.1.D, K.1.E, K.1.F	1.E, 2.C, 2.D, 2.E, 2.F
7.14	Add It Up Adding to Draw Conclusions About Picture Graphs Add to draw conclusions from picture graphs and write number sentences to represent 2 categories of data.	K.3.C, K.5.A, K.8.C Process TEKS: K.1.D, K.1.E, K.1.F	1.E, 1.F, 2.C, 2.D, 2.E, 2.F, 4.C, 4.D, 4.E, 4.F