



STEMscopes Alignments

Fourth Grade

1. Login to Exemplars Library: library.exemplars.com with your school e-mail and password

2. Select the **Grade 4 Scope** you are working on:

- [Place Value of Whole Numbers](#)
- [Compare and Order Numbers](#)
- [Addition & Subtraction Algorithms](#)
- [Multiplication Models and Strategies](#)
- [Division Models and Strategies](#)
- [Problem Solve Using the Four Operations](#)
- [Area and Perimeter](#)
- [Compare Fractions](#)
- [Add and Subtract Fractions and Mixed Numbers](#)
- [Represent and Compare Decimals](#)
- [Add and Subtract Decimals](#)
- [Points, Lines, and Angles](#)
- [Angles](#)
- [Properties of Two-Dimensional Figures](#)
- [Number Patterns](#)
- [Measurement](#)
- [Elapsed Time](#)
- [Represent and Interpret Data](#)
- [Profit, Budgets, and Banking](#)

3. Once you are in the correct Scope, click on the task name, which is directly linked to the Exemplars Library where you can download a printer-friendly PDF and lesson planning sheet for the corresponding task.

**** Note:** You must be logged into the Exemplars Library to access the tasks in this document.

STEMscopes: Grade 4
Scope: Place Value of Whole Numbers

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Represent Multi-Digit Whole Numbers	4.2A 4.2B	
Explore 2: Place Value Relationships		

STEMscopes: Grade 4

Scope: Compare and Order Numbers

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Compare Numbers	4.2C	A Million Pop Tops (formative)
Explore 2: Order Numbers		A Computer Game (summative)

STEMscopes: Grade 4

Scope: Addition and Subtraction Algorithms

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Round to Any Place Value	4.2D 4.4G 4.4A	Baseball Stadium Seats (formative)
Explore 2: Estimate Solutions		
Explore 3: Multi-Digit Addition		
Explore 4: Multi-Digit Subtraction		

STEMscopes: Grade 4

Scope: Multiplication Models and Strategies

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Multiply by 10 and 100	4.4B 4.4C 4.4D 4.4G 4.4H	Bags of Stickers (formative)
Explore 2: Arrays		
Explore 3: Area Models		
Explore 4: Partial Products		
Explore 5: The Standard Algorithm		

STEMscopes: Grade 4

Scope: Division Models and Strategies

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Share Equally	4.4E 4.4F 4.4G 4.4H	Grandfather's Wallet (formative) Sharing Jelly Beans (formative)
Explore 2: Arrays		
Explore 3: Area Models		
Explore 4: Algorithms		
Explore 5: Interpret Remainders		

STEMscopes: Grade 4

Scope: Problem Solve Using the Four Operations

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Problem-Solve Using the Four Operations - Level 1	4.4G 4.5A	Selling Sport Posters (formative) Pencils (summative)
Explore 2: Problem-Solve Using the Four Operations - Level 2		
Explore 3: Problem-Solve Using the Four Operations - Level 3		

STEMscopes: Grade 4

Scope: Area and Perimeter

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Area and Perimeter Formulas	4.5C 4.5D	A Sandbox (formative)
Explore 2: Solve Problems with Area and Perimeter		A Bulletin Board (summative)

STEMscopes: Grade 4

Scope: Compare Fractions

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Represent and Generate Equivalent Fractions	4.3C 4.3D	The Largest Share (formative) Pans of Jell-O (summative)
Explore 2: Compare Fractions with Models		
Explore 3: Compare Fractions with Number Lines		

STEMscopes: Grade 4

Scope: Add and Subtract Fractions and Mixed Numbers

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Compose and Decompose Fractions in Multiple Ways	4.3A 4.3B 4.3E 4.3F	Magic Beans (formative) Sharing Muffins (summative)
Explore 2: Add Fractions and Mixed Numbers with Like Denominators		
Explore 3: Subtract Fractions and Mixed Numbers with Like Denominators		
Explore 4: Evaluate Reasonableness Using Benchmarks		

STEMscopes: Grade 4

Scope: Represent and Compare Decimals

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Relate Decimals to Fractions		
Explore 2: Represent Tenths and Hundredths with Expanded Notation	4.2A	
	4.2B	
	4.2E	
Explore 3: Represent Tenths and Hundredths on a Number Line	4.2F	
	4.2G	
	4.2H	
Explore 4: Compare Decimals	4.3G	
Explore 5: Order Decimals		

STEMscopes: Grade 4
Scope: Add and Subtract Decimals

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Add Decimals	4.4A	Going Shopping (formative)
Explore 2: Subtract Decimals		

STEMscopes: Grade 4

Scope: Points, Lines, and Angles

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Identify Geometric Parts	4.6A	
Explore 2: Line Relationships		

STEMscopes: Grade 4

Scope: Angles

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Angles as Fractions of a Circle	4.7A 4.7B 4.7C 4.7D 4.7E	Finding the Angles (formative) Pairs of Angles (summative)
Explore 2: Measure Angles		
Explore 3: Draw Angles		
Explore 4: Adjacent Angles		

STEMscopes: Grade 4

Scope: Properties of Two-Dimensional Figures

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Symmetry	4.6B 4.6C 4.6D	Jordan's Math Challenge (formative) A Shape Game (summative)
Explore 2: Classify Triangles		
Explore 3: Classify Figures by Lines and Angles		

STEMscopes: Grade 4

Scope: Number Patterns

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Patterns Using Numerical Expressions	4.5B	Bird Watching (formative) Building With Blocks (summative)
Explore 2: Input-Output Tables		

STEMscopes: Grade 4

Scope: Measurement

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Relationships in the Measurement System	4.8A 4.8B 4.8C	African Elephants (formative) Water, Water, Water (formative) Xeno, the Xylophone Maker (formative) A Geode (summative)
Explore 2: Convert Units to Solve Problems with Customary Measurement		
Explore 3: Convert Units to Solve Problems with Metric Measurement		
Explore 4: Convert Units to Solve Problems with Intervals of Time		
Explore 5: Convert Units to Solve Problems with Money		

STEMscopes: Grade 4

Scope: Elapsed Time

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Measure Elapsed Time	4.8C	A Movie and a Game Room (formative)
Explore 2: Solve Problems Involving Time		

STEMscopes: Grade 4

Scope: Represent and Interpret Data

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Frequency Tables and Dot Plots	4.9A 4.9B	Feeding Puppies (formative) Reading on Tuesday Night (summative)
Explore 2: Stem-and-Leaf Plots		
Explore 3: Represent Data in Multiple Ways		

STEMscopes: Grade 4

Scope: Profits, Budgets, and Banking

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Expenses, Profits, and Savings	4.10A	
	4.10B	
Explore 2: Allowances and Banks	4.10C	
	4.10D	
	4.10E	