



STEMscopes Alignments

Second Grade

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

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

- [Represent Numbers to 1,200](#)
- [Numbers on a Number Line](#)
- [Compare and Order Numbers](#)
- [Fractions](#)
- [Add and Subtract Two-Digit Numbers](#)
- [Money](#)
- [Multiply and Divide](#)
- [Two-Dimensional Shapes](#)
- [Three-Dimensional Solids](#)
- [Length](#)
- [Area](#)
- [Time](#)
- [Addition and Subtraction Problem Solving](#)
- [Add and Subtract Three-Digit Numbers](#)
- [Data Analysis](#)
- [Personal Financial Literacy](#)

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 2
Scope: Represent Numbers to 1,200

Explore	TEKS Standard	Exemplars Tasks
Explore : Count and Organize Collections within 1,000	2.2A 2.2B 2.7A	Go Fish (formative)
Explore 2: Count Organized Collections within 1,000		
Explore 3: Collections Beyond 999		
Explore 4: Represent Numbers in Different Ways		
Explore 5: Even and Odd		

STEMscopes: Grade 2

Scope: Numbers on a number line

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Open Number Lines	2.2E	
Explore 2: Points on a Number Line	2.2F	

STEMscopes: Grade 2

Scope: Compare and Order Numbers

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Generate Numbers Greater Than or Less Than	2.2C 2.2D 2.7B	Same or Different? (formative)
Explore 2: Compare and Order Numbers		

STEMscopes: Grade 2

Scope: Fractions

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Partition Objects	2.3A 2.3B 2.3C 2.3D	Blueberry Pie (formative) Fruit Bars (summative)
Explore 2: Examples and Nonexamples		
Explore 3: Number of Parts vs. Size of Each Part		
Explore 4: Count Parts Beyond One Whole		

STEMscopes: Grade 2

Scope: Add and Subtract Two-Digit Numbers

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Addition Using Place Value	2.4A 2.4B	Helping Grandmother (formative)
Explore 2: Addition Using Number Lines		
Explore 3: Subtraction Using Place Value		
Explore 4: Subtraction Using Number Lines		
Explore 5: Add Up to Four 2-Digit Numbers		

STEMscopes: Grade 2

Scope:

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Value of a Collection of Coins	2.5A 2.5B	What's in Their Hands? (formative) How Much Money? (summative)

STEMscopes: Grade 2

Scope: Multiply and Divide

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Model and Describe Multiplication	2.6A 2.6B	Cars in a Case (formative) Dimes for a Basketball (summative)
Explore 2: Model and Describe Division		
Explore 3: Model and Describe Multiplication and Division		
Explore 4: Create Multiplication and Division Situations		

STEMscopes: Grade 2

Scope: Two-Dimensional Shapes

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Sort Polygons	2.8A 2.8C 2.8D 2.8E	Sharing a Rectangle (formative) Sticks and Pebbles (summative)
Explore 2: Classify Polygons		
Explore 3: Create 2-D Shapes		
Explore 4: Compose 2-D Shapes		
Explore 5: Decompose 2-D Shapes		

STEMscopes: Grade 2
Scope: Three-Dimensional Solids

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Sort 2-D Solids	2.8B 2.8D	
Explore 2: Classify 3-D Solids		
Explore 3: Relationships between Triangular Prisms and Rectangular Prisms		
Explore 4: Relationships between Cubes and Rectangular Prisms		
Explore 5: Compose 3-D Solids		

STEMscopes: Grade 2

Scope: Length

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Length Using Concrete Objects	2.9A 2.9B 2.9C 2.9D 2.9E	Pencils and Markers (formative) Paper Clip Chains (summative)
Explore 2: Inverse Relationships		
Explore 3: Distance on a Number Line		
Explore 4: Length Using Formal Tools		
Explore 5: Solve Problems Involving Length		

STEMscopes: Grade 2

Scope: Area

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Cover Rectangles with Squares	2.9F	Sarah's Garden (formative)

STEMscopes: Grade 2

Scope: Time

Explore	TEKS Standard	Exemplars Tasks
Explore 1: A.M. and P.M.	2.9G	Fred D. Croaker (formative)
Explore 2: Hour-Hand Clocks		
Explore 3: Hour- and Minute-Hand Clocks		
Explore 4: Digital and Analog Clocks		

STEMscopes: Grade 2

Scope: Addition and Subtraction Problem Solving

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Represent & Solve One-Step Word Problems with Concrete Objects	2.4C 2.7C	Feather Collection (formative) Puzzle Pieces (summative)
Explore 2: Represent & Solve One-Step Word Problems Pictorially		
Explore 3: Represent & Solve Multi-Step Word Problems with Concrete Objects		
Explore 4: Represent & Solve Multi-Step Word Problems Pictorially		

STEMscopes: Grade 2

Scope: Add and Subtract Three-Digit Numbers

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Addition Strategies	2.4C 2.4D	Car Trip (formative) One Thousand Sea Shells (summative)
Explore 2: Subtraction Strategies		
Explore 3: Add and Subtract Three-Digit Numbers		
Explore 4: Generate and Solve Word Problems		

STEMscopes: Grade 2

Scope: Data Analysis

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Organize Data Using Pictographs	2.10A 2.10B 2.10C 2.10D	Picnic Drink (formative) What Color Paint? (summative)
Explore 2: Organize Data Using Bar Graphs		
Explore 3: Organize Data Using Pictographs and Bar Graphs with Intervals of More Than One		
Explore 4: Write and Solve Problems Using Pictographs and Bar Graphs		

STEMscopes: Grade 2
Scope: Personal Financial Literacy

Explore	TEKS Standard	Exemplars Tasks
Explore 1: Save vs. Spend	2.11A 2.11B 2.11C 2.11D 2.11E 2.11F	
Explore 2: Deposits and Withdrawals		
Explore 3: Borrow Money		
Explore 4: Lend Money		
Explore 5: Producers and Consumers		