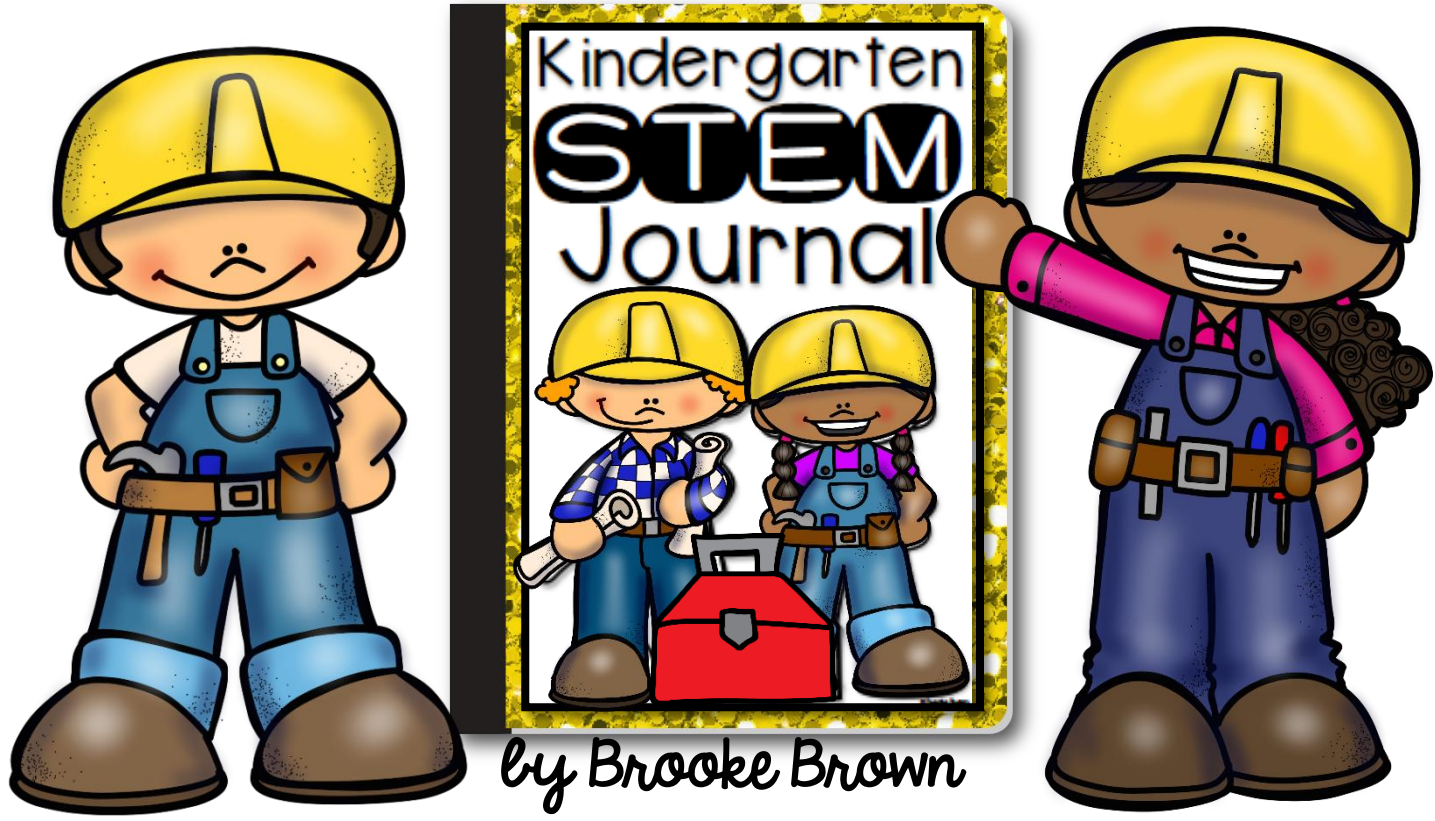
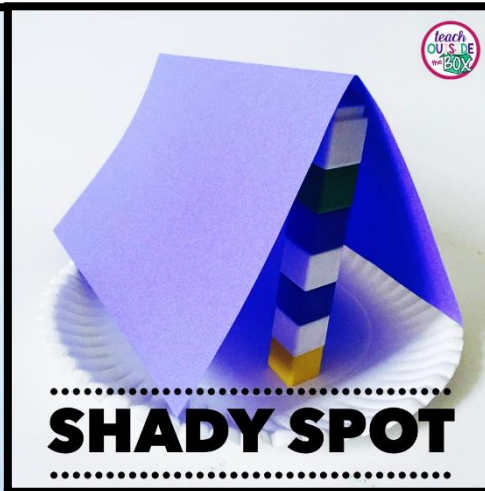
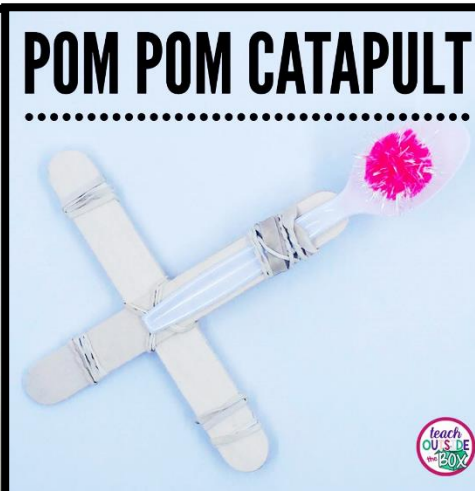


Kindergarten

STEM



6 NGSS Aligned Challenges for Science and Engineering, designed specifically for Kindergartners!

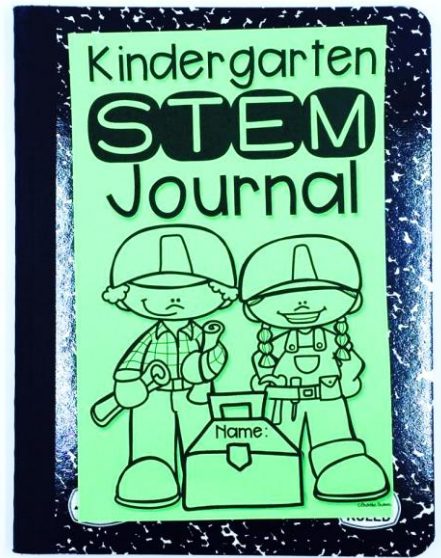




Teacher charts



Student Booklets



Things that PUSH

My Ramp

Things that PULL

Illustration of a child in a hard hat and safety vest standing next to a grid.

Tests	
Test	Number of Cubes
1	
2	
3	
4	
5	

How the Sun Helps

My Tent

How the Sun Harms

Illustration of a child in a hard hat and safety vest standing next to a grid.

My Ice Cube in the SHADE

My Ice Cube in the SUNLIGHT

FALL

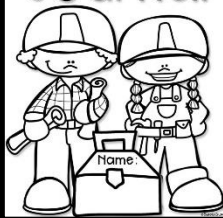
Name: _____

SUMMER

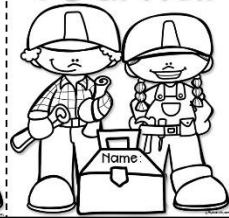
SPRING

WINTER

Kindergarten STEM Journal



Name: _____



Name: _____

Summer

Fall

Home Sweet Home

What Animals Need

Types of Animals

My Home

My Animal Home

Types of Animal Homes

Home Sweet Home

Name: _____

THE CHALLENGE

Can you create a home for an animal?

What Animals Need

Types of Severe Weather

Season Suitcase

Name: _____

THE CHALLENGE

Can you pack a suitcase with important things that you need for a season?

Right now, the season is _____

My favorite season is _____

Pom-pom Catapult

How We PUSH

How We PULL

Tests

Test Meters

- 1
- 2
- 3
- 4
- 5

Pom-pom Catapult

Name: _____

THE CHALLENGE

Can you create a catapult that will launch a pom-pom the farthest distance?

Things on the Playground that PUSH or PULL

Tests	
Test	Number of Cubes
1	
2	
3	
4	
5	

Racecar Ramp

Name: _____

THE CHALLENGE

Can you create a ramp that will make a racecar go the farthest distance?

We can move things with a _____

or a _____

Trash to Treasure

How Trash Hurts the Earth

How I Help the Earth

How Trash Hurts the Earth

My Treasure

Things We Can Recycle



THE CHALLENGE

Can you create something useful out of trash?

When we make trash into something new, we _____

discuss solutions that will reduce the impact on the environment. K-2 (161) Ask questions people want to change to define a simple problem-improvised object on task. K-2 (161) Define the shape of an object helps it function.

something useful out of trash, such as a acceptable "trash" items already on hand can make into something new.

About recycling and protecting the Earth. In rubber bands, poplite shoes, cotton

PERSON PLAN

ed about the recycling and protecting the Earth. Share to share what they already know about Earth. Have them write the word "recycle" on the provided teacher chart and have them

are the challenge instructions. Brainstorm and Fun. Allow students at least 45 minutes. Journal. and reflection, allowing students to share their ideas about recycling and protecting our Earth. Record their ideas on a chart and have them finish their individual booklets

How the Sun is Helpful How the Sun is Harmful

How the Sun Helps

My Ice Cube in the SUNLIGHT

Shady Spot

Name: _____

THE CHALLENGE

Can you create a tent that gives shade?

The shade feels _____

The sunlight feels _____

