

SPOTLIGHT ON SCIENCE BUNDLE


CREATED BY BROOKE BROWN AND KATIE KING

# 8 NGSS ALIGNED SCIENCE THEMES

## ANIMALS

STEM & ELA ACTIVITIES

**storybook STEM**



Ivan  
HEALTHY HABITAT

SUPER ANIMAL

First the Egg  
THE INCREDIBLE EGG

CREATED BY BROOKE BROWN AND KATIE KING

## PLANTS

STEM & ELA ACTIVITIES

**storybook STEM**



ROOTS AND SHOOTS

SPONGE GARDEN

Tops and Bottoms


Sunflower House

CREATED BY BROOKE BROWN AND KATIE KING

## WEATHER

STEM & ELA ACTIVITIES

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LIGHTNING CAKE

SAFE SHELTER

Thundercake


Tornadoes!

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## SPACE

STEM & ELA ACTIVITIES

**storybook STEM**



STAR GAZER

RED ROVER

Stargazers

Life on Mars

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## LIGHT & SOUND

STEM & ELA ACTIVITIES

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SHADOW PUPPET THEATER

DIY DRUMS

Windows


Drum Dream Girl

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## FORCE & MOTION

STEM & ELA ACTIVITIES

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SPRINGY THING

GONE FISHING

The Marvellous Thing That Came From a Spring


What Makes a Magnet?

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## MATTER & SENSES

STEM & ELA ACTIVITIES

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CHEWY CONCOCTION

DONUT DESIGN

Pop!  
The Invention of Bubble Gum


Arnie  
the Doughnut

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## ENGINEERING

STEM & ELA ACTIVITIES

**storybook STEM**



POMPOMBLASTER

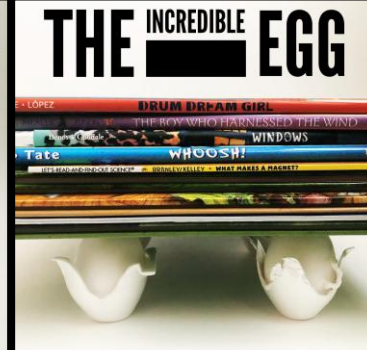
WIND CATCHER

Whoosh!

The Boy Who Harnessed the Wind

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# 17 ENGAGING STEM CHALLENGES

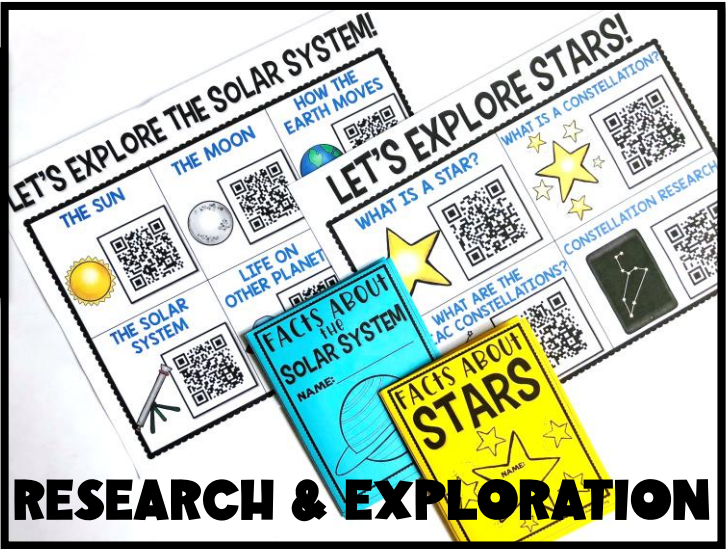
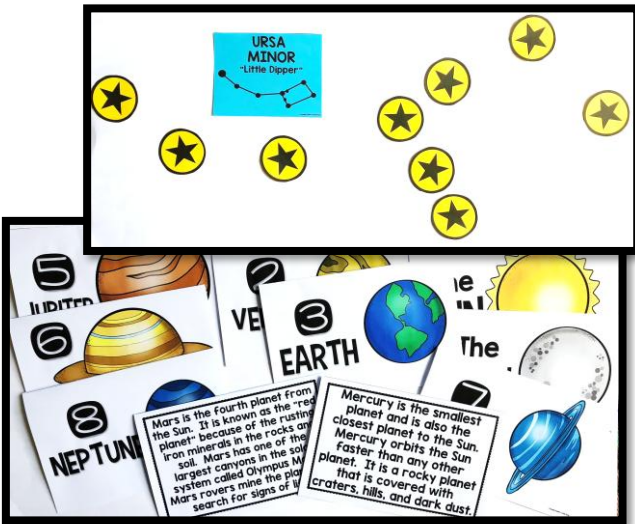






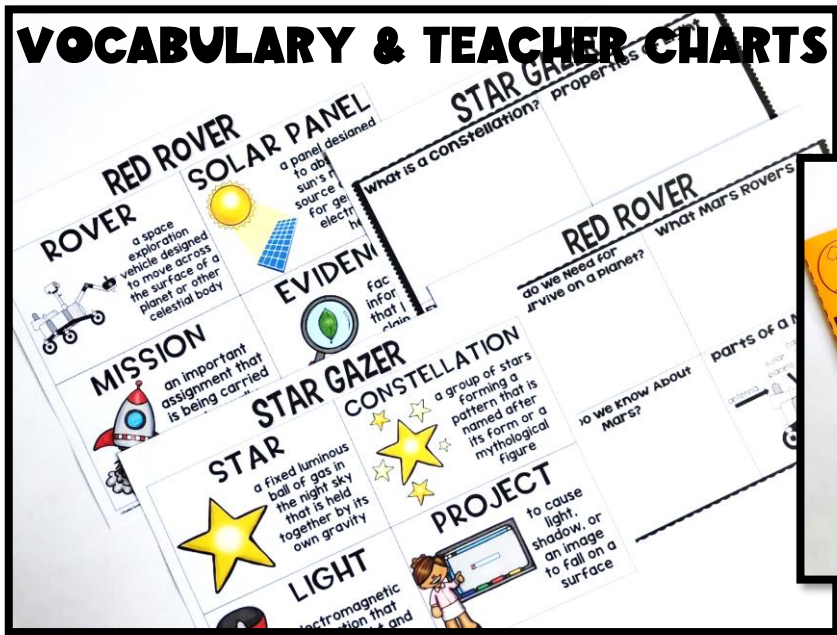
# EXTENSIVE STEM COMPONENTS

## SCIENCE SPARK INTRO



## RESEARCH & EXPLORATION

## VOCABULARY & TEACHER CHARTS



## STUDENT BOOKLETS





horizon

the line where the sky appears to meet the sea

stammered

But, but, but there's a spider!

scurried

surveyed

**VOCABULARY**

A cartoon illustration of a young girl with brown hair, wearing a pink dress, holding a large brown envelope. She is looking down at the envelope with a slight smile. The envelope is open, and a white sheet of paper is visible inside. The girl is standing with her legs slightly apart. The background is white.

What **CHANGES** to help her not to be so afraid? Can you relate to the story?

**CRUNCH**

# ANCHOR CHARTS

## ENRICHMENT

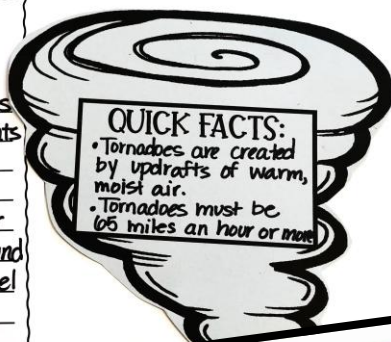




# ELA ACTIVITIES

## TORNADOES

Tornadoes are powerful storms that occur when the elements are just right. Tornadoes start inside cumulonimbus clouds. Warm air and cooler come together and spin around each other. Sometimes the tunnel reaches down to the earth. Tornadoes are "fed" by warm air. Tornadoes are classified by how much damage they cause.



### QUICK FACTS:

- Tornadoes are created by updrafts of warm, moist air.
- Tornadoes must be 65 miles an hour or more.

## LABELS

EXAMPLE:

lightning  
cumulo-  
nimbus  
clouds

### WHAT I LEARNED:

I learned in what kind of clouds tornadoes form!

## ONOMATOPOEIA

Name: NASH

SLURP

DRAW-IT:



SENTENCE:

Jake slurped his milkshake until there was nothing left.

Horrified  
Scared  
Nervous  
frightened

## THUNDERCAKE

Trisha was terrified of the storm in the beginning of the book. Her grandmother taught her that she was brave. Babushka distracted her with baking a cake. Trisha realized that she could overcome lots of obstacles such as the mean hens, cranky goats, and much more. Babushka was her support system!



demolish

## VOCABULARY

WORD: _____	PICTURE:
SENTENCE: _____	
WORD: _____	PICTURE:
SENTENCE: _____	
WORD: _____	PICTURE:
SENTENCE: _____	
WORD: _____	PICTURE:
SENTENCE: _____	

demolish

completely knock down or ruin something