



Project S.P.A.R.K

Science, Play, Arts, Reading, and Knowledge

Where Science, Arts, and
Reading become fun!

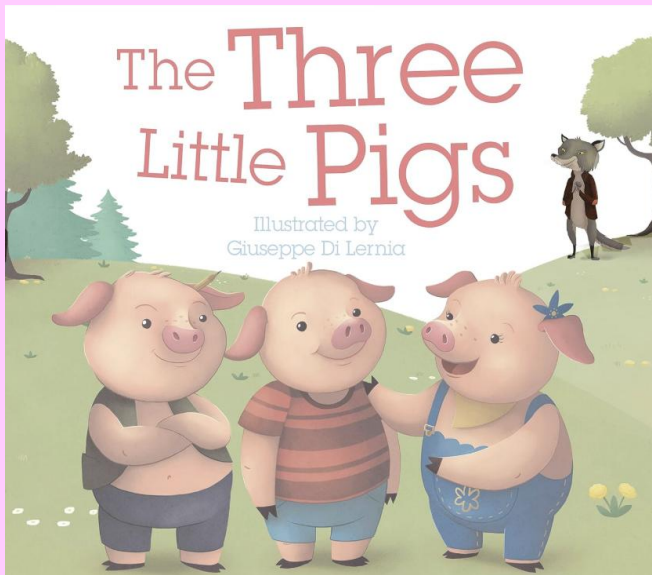
Reading is FUN!

We start our
S.P.A.R.K
session with
reading. Our
teacher, [REDACTED]
[REDACTED] would
read us a story.



The Three Little Pigs

The first story we read was "The Three Little Pigs."



ENGINEERING CHALLENGE

Our teacher asked us to build houses made from straw, sticks, and lego blocks. Our goal is to save the pigs from the Big Bad Wolf.



Oh no! Let's save the three little pigs!

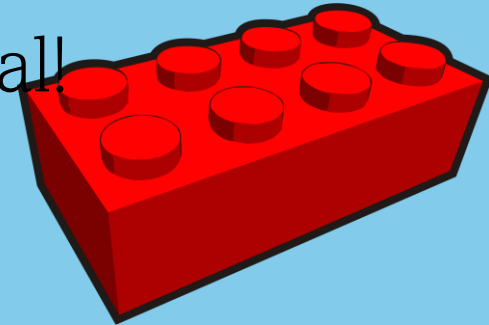
The Strongest House



Experiment Time!

Material	Our Observation
Stick	Oh oh the wolf blown off the house
Straw	Not good enough
Lego	Wolf-proof!

We learned that using Lego blocks to make the three little pigs' house is the best material!



The Big Bad Wolf Blew our Houses!

Jack and Beanstalk



The next story we read was about Jack and the Beanstalk.

Soaring with Jack: Build Your Own Parachute!

Learning Goals:

Design and build a parachute.

Summary:

Students explored how parachutes work by discussing how they catch air and slow objects down. They planned and sketched their designs in their STEM Journals, choosing materials and deciding on canopy size, string length, and attachment methods.

The Great Beanstalk Build-off

Learning Goals:

Build the tallest beanstalk using cups, then measuring the height, and counting how many cups were used.

Summary:

In this lesson, students connected literacy and engineering through Jack and the Beanstalk.

After a read-aloud, they discussed how the beanstalk grew so tall and imagined what they would grow from a magic seed. As a class, they defined beanstalk and recorded their learning in their STEM Journals.

Let's Help Jack Escape!

Engineering Challenge!

Build a parachute so Jack can safely and quickly escape the giant!

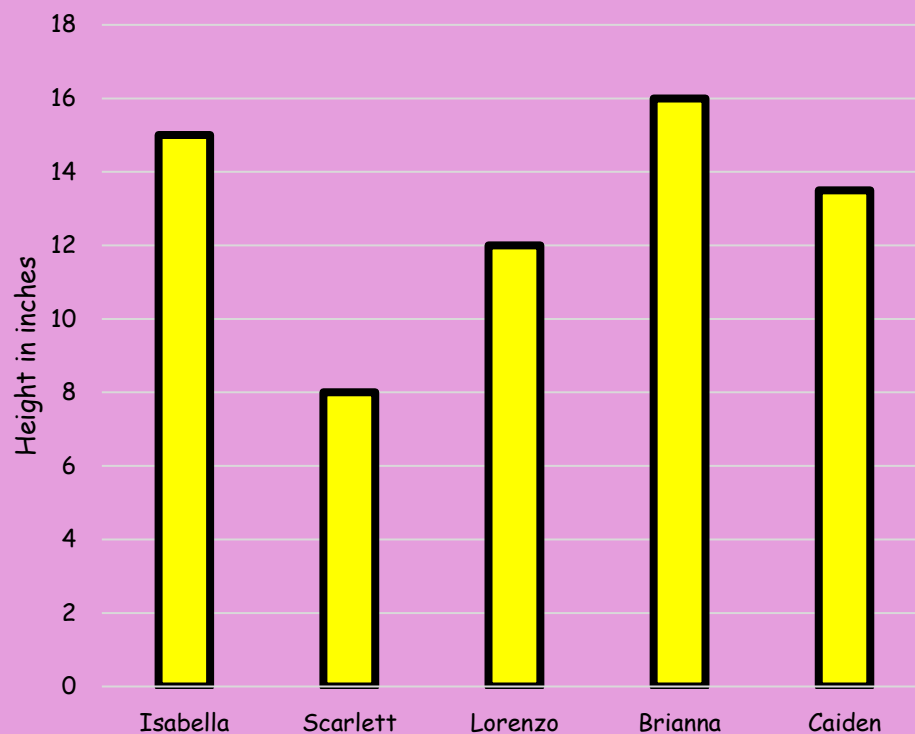


Reach for the Sky!



We also built a tower using paper cups

The Tallest Tower



How much is the bag, Jack?

Counting Riches

Learning Goals:

Count the amount of gold found in the Giant's bag and then weigh it.

Summary:

In this lesson, students helped a giant count and weigh his bags of gold! We counted the number of gold pieces in each bag, practiced saying numbers aloud, and used a balance scale to compare which bags were heavier, lighter, or balanced.

We recorded our findings in our STEM Journals and worked together to define the words heavy and light.



Goldilocks and the Three Bears



We also read the story of Goldilocks and the Three Bears

Too Hot, Too Cold, or Just Right?

Learning Goals:

Investigating the concept of temperature by measuring the temperatures of oatmeal after cooking. Students will survey their peers' preferences and then graph the results.

Summary:

Students explored how temperature changes over time. Using thermometers, students measured and recorded the temperature of warm oatmeal at regular intervals as it cooled. They tasted the oatmeal to decide whether it was "Too Hot," "Too Cold," or "Just Right," then collected class data and created bar graphs in their STEM Journals.

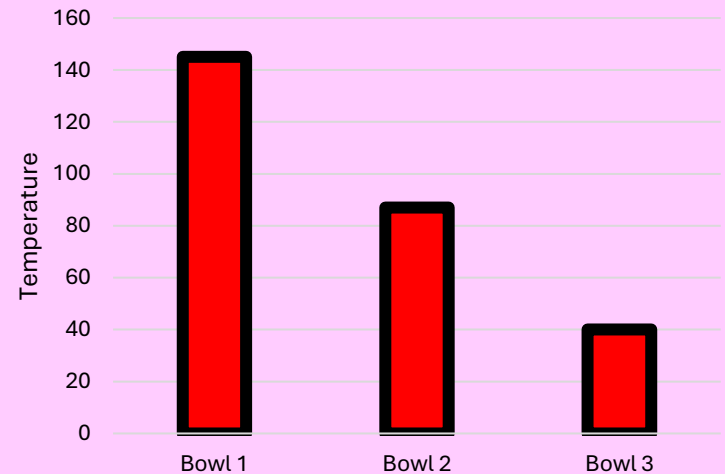
Students discussed how temperature affects how food feels and tastes and worked together to define the meaning of temperature.

Too Hot... Too Cold, Goldilocks, You Better Know!



We put hot, cold, and warm water into our bowl of cereals and recorded the temperature using a thermometer

How hot or cold the bowl



Watch your Actions

The Big, The Small, and The Breaking: A Cause-and-Effect Exploration

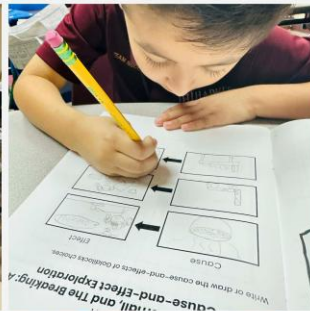
Learning Goals:

Create a cause-and-effect graphic organizer.

Summary:

Students explored how choices lead to consequences. We discussed cause (something that happens) and effect (what happens because of it). As a class, we identified Goldilocks' choices—such as sitting in the big chair or trying different beds—and the outcomes of those actions.

Students recorded or illustrated their own cause-and-effect examples in their STEM Journals and shared their thinking with classmates. Through discussion, we discovered how size and materials influenced what happened in the story.





Learning is Fun with S.P.A.R.K

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