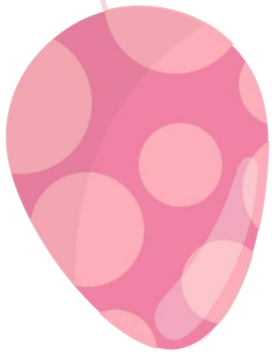
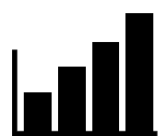


EGG-TASTIC EGG DROP STEM



Challenge & Engineer's Notebook



You can use this notebook for all the Sprint time STEM activities found in the pack.

LITTLE BINS FOR LITTLE  HANDS

EGG-CELLENT EGG DROP CHALLENGE SUPPLY LIST

Baggies	Lollipop sticks	Sponges
Balloons	Magnets	Stapler
Boxes	Needle and thread	Straws
Cardboard	Newspaper	String
Cereal	Paper	Styrofoam balls
Coffee filters	Paper cups	Tape
Cornstarch	Paper clips	Tape measure
Cotton balls	Paper towels	Tennis balls
Cotton swabs	Paper towel rolls	Tin can
Craft paper	Pencil	Toilet paper rolls
Craft sticks	Ping pong balls	Toothpicks
Cup cake liners	Pipe cleaners	Twine
Duct tape	Plastic eggs	Twist ties
Easter grass	Plastic jars	Vegetable containers
Faux plants	Play dough	Washi Tape
Feathers	Pom-poms	Water
Felt	Pool noodles	Wire
Flour	Raffia	Wooden planks
Foam core	Ribbon	Yarn
Glue	Rubber bands	Zip ties
Grocery sacks	Rubber cement	
Hosiery	Scissors	
Leaves	Shredded paper	
LEGO® bricks	Skewers	



EGG-CITING EGG DROP

Challenge Goals

Challenge: Design and build a device that will hold an egg that when dropped from a height the egg in the device doesn't break.

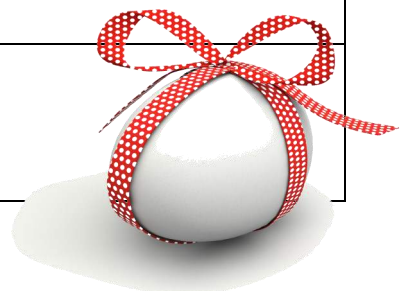
Objective: Design, engineer, build a device and be able to test your device by dropping it from a height. If your egg doesn't break at that height, test it at various heights.

Checklist:

Your goals are to...

1. Use the STEM design process to design and build a device to protect an egg when dropped from a height.
2. Make sure to design your device so that the egg will fit inside of it.
3. Fill in engineers notebook page with design details and sketches.
4. Be able to demonstrate how your device works and what the results were following

Testing My Egg-mazing Device			
	Height	Device type	Success Y/N
1st Drop			
2nd Drop			
3rd Drop			



My STEM Challenge:

? ASK

What is the problem?



Collect Information

What information & resources will I need?

Imagine

How can I solve the problem?



Plan



What materials do I have/need?
What steps do I take?



Create

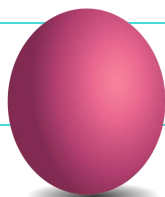
I will test my solution,
and take or draw notes.



Improve

What changes can I make
to improve my plan?

My Research Notes



Draw It

Draw It

My Next Plan

