

Egg Drop Challenge

Define: How can you drop a HARD BOILED egg without cracking it? (Substitute a small toy if you are uncomfortable using an egg)

Research: Watch this video called “Playtime with Parachutes”

https://www.youtube.com/watch?v=Ab_g5sLoXoY

Brainstorm/Make a Plan: Which materials do you need for your parachute, container to hold the egg and items in the cup to protect the egg? How far will you drop the egg?

Hypothesis: What do you think is going to happen? Will your egg survive the drop?

Choose: Decide on materials that you have around the house to use to create your parachute and container.

Items in the cup/container:

-Feathers -Foam

-Bubble Wrap -Shredded Paper

Parachute

-Coffee Filter -Tissue Paper -kleenex

-Wax Paper -Plastic Bag



Build/Create: build your own parachute and picked out which items you want to place inside the container to protect your egg from cracking.

Test: Drop your eggs (you decide from how high and what your options are considering SAFETY AT ALL TIMES). If you can, video it and post your video on SeeSaw. If you can't video it, take a photo with your parachute and post that instead!

Communicate/ Redesign: What did you learn about gravity, weight and drag? Was your hypothesis correct? What could you do different next time to be more successful or to be able to drop the egg from a higher height?

*You can write your findings in your journal, tell someone about it, or you can video yourself talking about it and post it on SeeSaw for me to listen to!