

Easter STEAM

Here are four Easter themed STEAM projects. There are endless example online (I found these on Pinterest) if you would like additional projects or more inspiration!



EGG DROP ENGINEERING CHALLENGE



The goal of this project is to create a container that will safely deposit a raw egg onto the ground when it is dropped from something high.

Let kids be as creative in their designs as they want. You might want to include some design challenges like they must use a cardboard box, their design must fly, or they have to use sponges.

Supplies:

- Raw eggs (buy some cheap ones so you can make multiple attempts)
- Various containers and padding
 - a. Eg: bubble wrap, cotton balls, plastic trash bags, plastic food containers, string, tape, plastic bags, and egg crates



Peeps House STEM CHALLENGE



What you need for your Peeps house Easter STEM challenge:

- 1 pkg. Graham Crackers
- 1 pkg. Edible Easter Grass
- 1 pkg. Peeps Chicks
- 6-8 oz. Wilton Chocolate Melts, pink
- Easter Candy Eggs, chocolate or jelly bean

How to set up the Easter STEM challenge:

Break the graham crackers in half.

Melt the chocolate melts according to package directions and put it in a small plastic bag or piping bag.

Kids can experiment with using the melted chocolate and the graham cracker pieces to build a house!

Once your child has successfully made a structure, put some of the edible grass into each chicken house that you made. Set a peep chick in each one. Add a couple Easter candy eggs around on the grass in each chicken house.



Easter Egg

SALT CRYSTAL SCIENCE



What you'll need to make salt crystal Easter eggs:

- Pipe cleaners (2 per egg)
- Mason jars (1 jar for each egg)
- Salt (1 regular-sized container per 4 eggs)
- Clothespins
- A way to heat water
- Magnifying glass
- Scissors

How to Make Egg Crystals

First, boil enough water for all your mason jars.

Once the water boils, add in your salt. It takes about 1 cup of salt for each salt crystal egg. You probably can get the crystals to form with less salt but they form a lot faster with over-saturated water.

When the salt starts to form a crystal on top of the water, you've added enough. Pour the water into jars.

Let the kids form egg shapes with the pipe cleaners.

Use a clothespin (pencil) to suspend the eggs inside each jar so that the eggs don't touch the side or bottom of the jar.

Wait about 2-3 days for crystals to form. The longer you wait, the bigger the crystals will be!

Remove the eggs from the jars and trim the hanger with scissors. Dry the eggs on a paper towel. Don't let the salt crystals get too wet or they will melt again.

What you need to make these LEGO® eggs

- Two 2 x 3 slope bricks
- Two 2 x 3 inverted slope bricks
- Two 2 x 2 inverted slope bricks
- Two 2 x 2 slope bricks that are two bricks high

Beyond those bricks, you can just fill in with whatever pretty colors you want!

If you do not have the exact bricks recommended, play around with the brick that you have to find other ways to create a LEGO® egg. You could also attempt to make a LEGO® Easter bunny or chick.

If you do not have LEGO®, see what materials you have at home to create with.



LEGO EASTER EGGS

Building Challenge

