

# S.T.E.M. Challenge Cards

Print each page and cut out the cards. Draw a card to see what your S.T.E.M. activity is.

## PAPER CHAIN

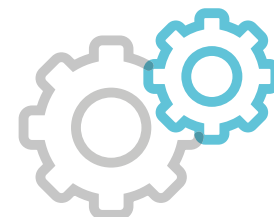
How long can you make a paper chain with a single piece of paper?

## DIY LAVA LAMP

Can you make your own Lava Lamp with just Oil, Water, and Alka Seltzer?

## CARGO AIRPLANE

Fold your best paper airplane. Tape coins to it to see how much "cargo" it can fly with.



## **FLOAT YOUR BOAT**

**Make a boat out of aluminum foil and float it in the bath tub filled with water.**

## **SLIME TIME**

**Make your own slime to play with.**

## **HIGHER TOWER**

**Can you make a tall tower with just toothpicks and marshmallows?**

## **BOB THE BUILDER**

**What can you make with a cardboard box?**

## **MARBLE MAZE**

**Make a Maze made out of Legos and run a Marble through it.**

## **MUSIC MAGIC**

**Create your own music with glasses filled with water and your fingers around the rim.**

## **SQUIRMY WORM**

**Fold a piece of paper to make an accordion worm. Blow through a straw to make it squirm across the table.**

## **LITTLE PICASSO**

**Draw 15 circles. Then draw each circle into a unique object.**

## **GAME MASTER**

**Create your very own game. Come up with your own rules and how to win, and teach it to someone.**

## **EGG DROP**

**Do the Egg Drop Challenge and see which material can "catch" the egg without it breaking.**

## **DON'T SPILL THE WATER**

**Fill a large ziploc bag full of water and zip it closed. Quickly pierce the pencil through both sides of the bag.**

## **BUILD A RAINBOW**

**What can you use to build your very own rainbow?**

## **HOUSE OF CARDS**

**Build the biggest building you can with a deck of cards.**

## **CHAIN REACTION**

**Build your own chain reaction maze around the house using marbles, dominos, cars, etc.**

## **THE FLOOR IS LAVA**

**Use objects around the house to get from one room to another without touching the floor.**

## **CUP TOWER**

**Stack paper or plastic cups in a tower and see how far you can go.**

## **BAKER MATH**

**Bake your favorite dessert...but double or half the recipe!**

## **FAMILY GAME NIGHT**

**Play Pictionary with your family and see who can guess what you are drawing.**

## **WATER BALLOON DROP**

**Fill 3 water balloons with water and tie to secure. Use different materials to see what can protect it from popping when dropped.**

## **STAR LIGHT, STAR BRIGHT**

**Head out with your family to look at the stars and see what constellations you can find.**

## **SPEED RACER**

**Get a Toy Car and a Balloon. Fill the balloon with air, and use the air to move the car all the way to the other side of the room.**

## **DIY SLINGSHOT**

**Build your own slingshot to knock over paper cups like bowling pins.**

## **LET IT GROW**

**Plant your own veggies, fruits, or plants and watch them grow each day.**

## **STRAW ROCKET**

**Take a straw and build a paper rocket at the end that you can shoot across the room.**

