

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

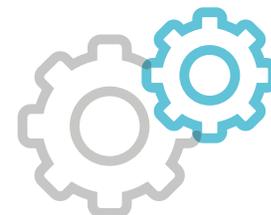
How long can you make a paper chain with a single piece of paper?

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.

