

# Earth Day STEM Challenge Supply List

Acrylic paint

Aluminum foil

Baking soda

Baggies

Beads

Cardboard

Clothes pins

Coffee filters

Coins

Cookie cutters

Cornstarch

Cotton balls

Cotton swabs

Craft paper

Craft sticks

Dryer hose

Duct tape

Easter grass

Faux plants

Feathers

Felt

Flat marbles

Food coloring

Funnel

Gears

Glitter (gold)

Glitter glue

Glow stars



Glue

Golf tees

Hammer

Hinges

Leaves

LEGO® bricks

Lollipop sticks

Magnets

Marbles

Measuring cups

Nails

Needle and thread

Paint

Paper

Paper cups

Paper clips

Peeps

Pencil

Pipe cleaners

Plastic containers

Plastic cups

Plastic pipes

Plastic spoons

Plastic wrap

Pom-poms

Raffia

Ribbon

Rubber Bands



Seeds

Scissors

Shells

Shredded paper

Skewers

Soil

Sponges

Springs

Stapler

Straws

String

Styrofoam balls

Sugar cubes

Tape

Tape measure

Tea lights

Tin can

Toilet paper rolls

Toothpicks

Twine

Twist ties

Washi Tape

Water

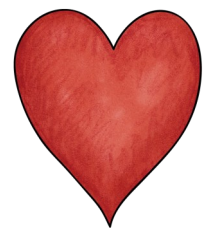
Whirly gig

Wire

Wooden planks

Yarn

Zip ties



# Design & Build a Trash Grabber

Trash is everywhere, and it's not being picked up! Design and build a trash grabber to make picking up trash easier for everyone!



## Possible Supplies:

Wooden planks, LEGO bricks, K'nex, toothpicks, balloons, skewers, glue, twist ties, zip ties, cardboard, twine, craft paper, foil, rubber bands, cotton swabs, fabric, paper rolls, craft sticks, dryer hose, plastic pipes, duct tape

# Design & Build a Birdhouse



The birds are hungry and waiting for food! Design and build a birdhouse out of recycled items only?

Bonus: Think of a clever way to make it squirrel proof.

## Possible Supplies:

Wooden planks, LEGO bricks, K'nex, toothpicks, skewers, glue, twist ties, zip ties, stapler, cardboard, twine, nails, hammer, craft paper, rubber bands, cotton swabs, fabric, paper rolls, craft sticks, dryer hose, plastic pipes, duct tape

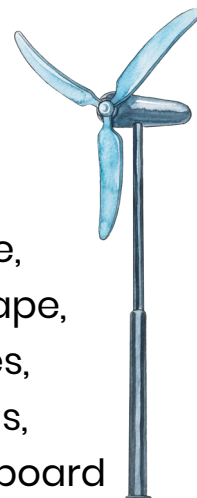
# Design a Wind Powered Vehicle

Find new ways for a car to move! Design and build a vehicle that is powered by the wind!



## Possible Supplies:

straws, skewers, wood blocks, glue, aluminum foil, Washi tape, duct tape, toothpicks, rubber bands, twist ties, zip ties, plastic wrap, rubber bands, whirly gig, craft paper, tape, cardboard



# Design & Build a Recycling Bin

Not enough people recycle! Design and build a recycling bin that will encourage people to recycle more.



## Possible Supplies:

Containers, cardboard, craft paper, springs, hinges, LEGO bricks, K'Nex, gears, pipes, duct tape, screws, screwdriver, foil, wooden planks

# Design & Build a Shopping Bag

No more plastic shopping bags allowed! Design and build a better shopping bag!

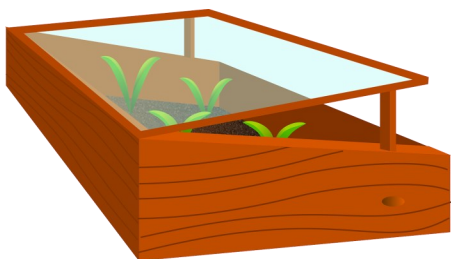
## Possible Supplies:

Craft paper, cardboard, fabric, needle & thread, craft sticks, foil, yarn, balloons, rubber bands, raffia, ribbons, twine



# Design & Build a Mini Greenhouse

You need to grow plants but it's too cold outside! Design and build a mini greenhouse. Test it by planting a seed and see what happens!



## Possible Supplies:

skewers, wood blocks, duct tape, glue, toothpicks, rubber bands, twist ties, zip ties, plastic wrap, rubber bands, craft paper, plastic cups, plastic containers, tape, cardboard, plastic baggies, soil, seeds,