

APPLE STEM CHALLENGE SUPPLY LIST

Acrylic paint	Golf tees	Scissors
Aluminum foil	Google eyes	Screws
Apples	Headphones	Screwdriver
Baggies	Knobs	Shredded paper
Bicycle tubing	Leaves	Skewers
Bushel baskets	LEGO® bricks	Sponges
Cardboard	Magnets	Springs
Casters	Marbles	Stapler
Cat tails (dried)	Measuring cups	Straws
Chicken wire	Metal tubing	Sticks
Clothes pins	Needle and thread	Styrofoam balls
Coffee filters	Nuts and bolts	Tape
Cotton balls	Paint brushes	Tape measure
Cotton swabs	Paper	Timers
Craft paper	Paper cups	Tin can
Craft sticks	Paper clips	Toilet paper rolls
Doilies	Paper tubing	Tongue depressors
Dryer tubing	Pencil	Toothpicks
Duct tape	Pinecones	Toy apples
Fabric	Pipe cleaners	Twine
Felt	Plastic cups	Twist ties
Flat marbles	Plastic spoons	Washi Tape
Foam board	Plastic wrap	Water
Food coloring	Popsicle sticks	Wire
Funnel	Raffia	Wooden planks
Gears	Ribbon	Yarn
Glow stars	Rope	Zip ties
Glue	Rubber Bands	



Design & Build an Apple Basket

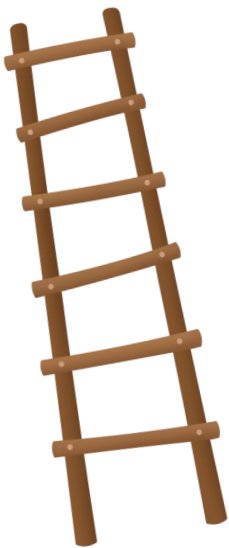
Your apple picking basket is broken but you need to harvest the apples right away, design and build a new basket that will hold 10 real apples!



Possible Supplies:

Wood slats, popsicle sticks, rubber bands, rope, toothpicks, cat tails, chicken wire, leaves, twigs, glue, tape,

Design & Build a Ladder



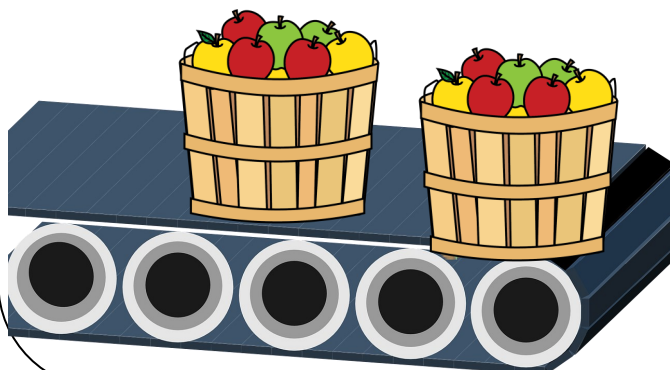
You forgot to bring a ladder to the apple orchard, but you must collect the apples from the top of the tree, design and build an apple picker!

Possible Supplies:

Wood slats, popsicle sticks, rubber bands, rope, toothpicks, twigs, glue, tape,

Design & Build a Conveyor Belt

How will you get the baskets of apples from the tree to the farm stand? Can you build a conveyor belt to move them along?



Possible Supplies:

gears, bicycle tubing, nuts & bolts, chicken wire, cardboard tubes, twist ties, tape, glue

Design & Build an Apple Stand

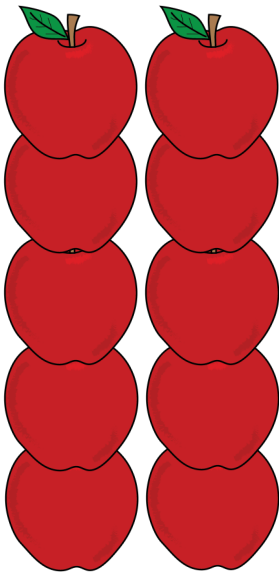
Time to set up an apple stand! You need to build a stand that will hold the weight of 10 real apples!



Possible Supplies:

Wood slats, popsicle sticks, rubber bands, rope, toothpicks, chicken wire, screws, nuts & bolts, hammer & nails, twigs, glue, tape, paint, brushes, fabric, decorative items

Apple Stack Challenge



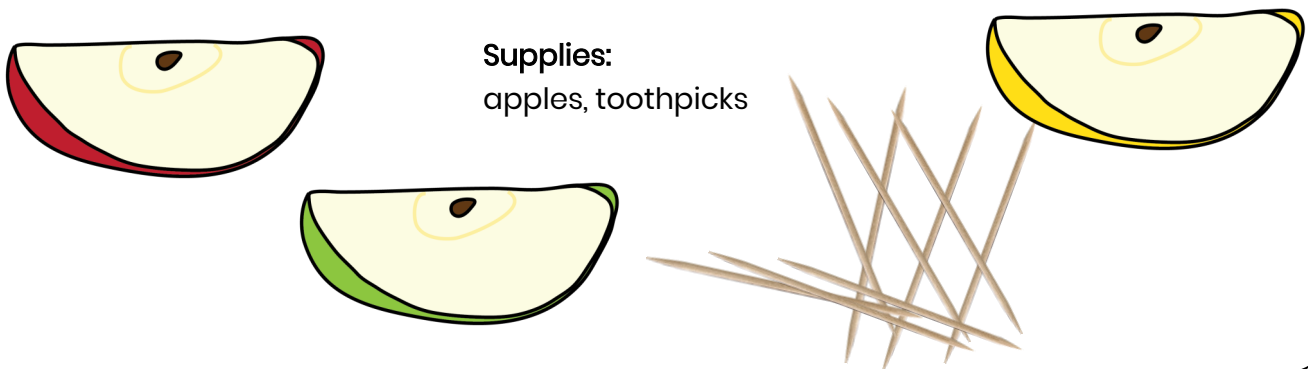
The great apple stack challenge! Can you stack 10 apples on top of each other? Come up with alternatives for using real apples! Get creative!

Possible Supplies:

Apples, toothpicks, popsicle sticks, tape, Styrofoam balls, needle & thread, ribbon, Washi tape.

Build an Apple Tower & Structure

Have an adult cut an apple into small pieces. Using toothpicks, build and the tallest apple piece tower you can! Can you make it at least 1 foot or 12 inches tall?



Supplies:

apples, toothpicks