

	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Does the type of paper make a difference in paper airplanes?</b>	Scissors	15 pcs paper	
	pencils	15 pcs cardstock	
	whiteboard - place to record data	1 roll wax paper	
		1 roll paper towels	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Can kids hear things that adults can't?</b>	Smartphone or computer	3 pcs paper - to make charts (5 people per chart)	
	pencils		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Can you make a boat out of aluminum foil?</b>	basin or tub - at least 11x12 (that will hold water)	15 pcs 9" x 10.75" aluminum foil 9" x	1 gallon of water
	pennies (at least 300)		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Can you make a wind-powered car?</b>	15 small toy cars	15 pcs paper (any type) per person per trial (45 pcs if each person does 3 trials)- for sails	
	15 pair scissors	paper - to make chart to record data	
	stop watch	roll of tape	
	flat level surface (table, tiled or hardwood floor)		
	pencils		
	fan (optional)		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>What size pizza should you buy?</b>	5 rulers or tape measures	2 pcs chart paper - to make pie charts	3-5 different size pizzas (potentially from different pizza shops or frozen brands)
	Calculator (optional)		
	Pencils		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Why are animals' feet different?</b>	15 pair flip-flops	30 balloons	

	15 pair flipper or swim fins (optional)	30 pcs scrap cardboard	
	15 pair toe spacers or separators (as used in pedicures)	masking tape or first-aid tape	
	Materials for an obstacle course (be creative; examples include a two-by four to use as a balance beam, bricks or stepping stones, tires or hula-hoops to step in and out of, logs to step over, mud)		
	safe place to walk barefoot		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Can you see a pumpkin in the dark?</b>	flashlight	pencils	1 pumpkin
	ruler	paper - to make a chart to record results	
	other objects - to use as comparison		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Are you left or right-handed, and does it matter:</b>	10 small balls (tennis ball works well)	pencils or pens	
	5 balls for kicking	1 tablet of writing paper	
	1 bucket, garbage can or other container		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Does color affect our sense of taste?</b>	5 clear containers (that will hold at least 1 cup of liquid)	1 copy of Table 1 and Table 2 from the instruction sheet	1 bottle or can of grape soda
	15 Blindfolds (optional)	75 small paper cups (5 per person) for tasting	1 bottle or can of root beer
		Pencils or pens	1 bottle or can of club soda
		1 box of mixed food coloring	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Does technology make our lives easier?</b>		8 pieces of notebook or copy paper	

		pencils or pens	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Why do some things float and others sink?</b>	1 golf ball	4-6 items that might float or sink	water - for bucket
	1 pingpong ball		
	or any two objects that are roughly the same size, where one sinks and one floats		
	Bucket, basin or bowl (something that will hold water)		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Do different type of milk taste different?</b>	15 blindfolds (optional)	small cups- disposable or reusable (15 cups per each type of milk you're tasting)	drinkable water
			different types of milk (get an amount so each member can have a taste) Choose some from the following: whole milk, 2% milk, 1% milk, skim milk, reconstituted powdered milk, organic milk, lactose-free milk, evaporated milk, goat milk, soy milk, almond milk, coconut milk, rice milk, half and half, heavy cream, shelf-stable milk, jemp milk, hazelnut milk, flax milk, oat milk, cashew milk, pea milk.
	spit bucket (in case kids really don't like a certain milk)	15 pieces of paper (notebook or copy)	
		pencils	
		labels - to cover type of milk on containers	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>

<b>How do puddles disappear?</b>	3 small shallow pans - to put 1/2 teaspoon of water in		bottle of water
	1/2 teaspoon measuring utensil		
	fan		
	heat lamp (or lamp with an incandescent bulb)		
	blow-dryer		
	timer		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Do moms have eyes in the back of their heads?</b>		one or more mothers with their own children	30 cookies
		1 or more adults who are not mothers	
		pencil	
		paper	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Does texting affect safe driving?</b>	Video game system	pencils	
	racine game	15 pieces of paper - notebook or copy	
	2 phones with texting capability		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Can you make an animal move without touching it?</b>	An animal (Any domesticated animal could work such as a gerbil, cat, dog, chicken, sheep or horse)	Pencils	
	Tape measure	Copy paper	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Why is a hammer shaped like a hammer?</b>	15 pair safety goggles	First-aid kit	
	Various hammers of different shapes and sizes ( claw hammers, ball peen, sledge hammers, rubber mallets, rawhide mallets, wooden mallets	15 copies of Table 1 and Table 2 from the instructions	

	Weighing scale	a few pieces of scrap wood - to pound nails into	
		Pencils	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Why do cows have tails?</b>	15 different length of rope		
	Other items that could be used to modify the tails for their experiments such as wire coat hangers, wooden dowels, fly swatters, tape		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>What if ice didn't float?</b>	5 empty plastic jars (such as peanut butter jars)	5 pieces of floating material that can be pushed down the jar for the experiment (polystyrene foam such as Styrofoam, or other material)	ice - if not using floating material
	5 toy fish or water creatures that sinks		1/2 gallon of water
	Plastic grass (to be used as plants)		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Why does poop splash?</b>	3-5 pans of varying shapes and sized	modeling clay	water - amount depends on how many pans and sizes
	tape measure		corn, peanuts or other small bits of food (optional for extra grossness)
	kitchen scale	pencils	
		paper - notebook or copy	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Can you hear better with paper ears?</b>	15 pair scissors	tape	
		paper - to make ears	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>

<b>Do you run faster with or without shoes?</b>	an area where youth can run barefoot safely (check the area for sticks and stones)		
	stopwatch		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Can you build a bridge out of pasta?</b>	different sizes, shapes, and types of dried pastaa (spaghetti, angel hair, linguini, lasagna, gluten-free, whole wheat, and others) (number of 8 oz. containers depends on how many types of pasta being used)	Sand - approximately 2 pounds	
	15 carabiner clips	pencils	
	weight scale	paper - to make chart	
	rope to suspend bridge		
	2 tables		
	plastic pail with handle		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Can you move something with static electricity?</b>	piece of fake fur or real fur or hair	20 balloons	
	2-4 clean empty aluminum cans	small container of small pieces of paper or hole-punch dots	
	stopwatch (optional)	15 pieces of paper	
		15 pencils	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Why do some animals use camouflage?</b>	10-15 small everyday items (for example, a toy car, a penny, a marker, or other items)	8 pencils or pens	
	8 clipboards	8 charts - made up ahead of time	

	outdoor or indoor path where the everyday items can be placed near similar colored or shaped features (for example, green crayon in grass, brown toy car by a tree stump, and other ideas)		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Why do animal poops look different?</b>	8 - "animal poop photo"	the animals that made poop	manure - from several different animals (different species and breeds, different ages, different diets and other differences)
	tools for taking the poop apart (trowels, hand cultivators, old silverware, sticks)	15 or more pair disposable gloves	a plan to deal with the leftover manure (compost pile, landfill)
	8-'diagrams of animals' digestive systems' handout	a place to wash you hands	
	white board (may use newsprint instead	dry erase markers if using white board	
		markers if using newsprint	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Do all apples taste the same?</b>	cutting board	name tents for each apple variety	5 each of 4 different varieties of apples (preferably Michigan grown)
	sharp knife	4 plates - for apple slices	
	apple slicer (optional - but it works faster than a knife)	15 pennies	
	cups (one for each apple variety)	quarters or other coin (optional, one for each adult participant	
		paper - to make chart	
		markers	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>

<b>How can my sled go the fastest?</b>	sled (or a variety of sleds, also might try cardboard, garbage bags)	paper - to make a chart	various lubricants for the sled (wax, vegetable oil, water, soap) (optional)
	stopwatch (or timer app for a smartphone)	pencils	
	bathroom scale (optional)		
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>How do you make the best chocolate chip cookie?</b>		pencils	chocolate chip cookies (see the recipes in intructions)
		paper	milk for 15 people (optional)
		15 plates	
		15 or more napkins	
	<b>One time supplies</b>	<b>Consumables</b>	<b>Perishables</b>
<b>Want or need?</b>	pictures of items listed in #3 of instructions)	pencils	
		paper	