

ARGUMENT-DRIVEN
INQUIRY™



Texas ADI Learning Hub for Science

5th Grade

2024

Equipment and Consumables



Equipment	Quantity for Class	Investigation
Stopwatch	6	A Night in an Ice Hotel, Balloon-Powered Water Fountain, Considerable Collisions, Florida Summer Storms
Digital thermometer	12	A Night in an Ice Hotel, Color Changing Anoles, Florida Summer Storms
"Arctic Survival" data card set	6 sets	Arctic Survival
Balloon-powered water fountain	6	Balloon-Powered Water Fountain
3/8" drill bit	1	Balloon-Powered Water Fountain
Electric drill	1	Balloon-Powered Water Fountain
Scissors	1	Balloon-Powered Water Fountain
Clothespins	12	Balloon-Powered Water Fountain
Cloth meter stick	6	Balloon-Powered Water Fountain, Color Changing Anoles, Considerable Collisions, Diving in the Dark, Feeding Astronauts, Trampoline Double Bounce, Wildlife Crossing in Pineywoods
Measuring cups	12	Balloon-Powered Water Fountain, The Power of Water
AA battery holder	18	Batteries and Bulbs in a Closed Circuit
Wire (1-foot pieces)	24	Batteries and Bulbs in a Closed Circuit
Wire cutters	1	Batteries and Bulbs in a Closed Circuit, Ways to Complete a Circuit
16-quart clear plastic storage box	6	Cans of Coke and Diet Coke in Water
Electronic scale	8	Cans of Coke and Diet Coke in Water, Feeding Astronauts, Mixing it Up!, Secret Substances, States of Matter and Weight
"Chihuahuan Desert Ecosystem" card set	6	Chihuahuan Desert Ecosystem
Safety goggles	24	Cloudy Fish Tank, Diving in the Dark, Hydroponics, Plant Diversity on School Grounds, Wildlife Crossing in Pineywoods
Dart brown cardboard mailing tube	6	Color Changing Anoles
Light green cardboard mailing tube	6	Color Changing Anoles
Plastic cardboard mailing tube cap	24	Color Changing Anoles
Clamp-on light fixture	6	Color Changing Anoles, Florida Summer Storms
Track tower	6	Considerable Collisions
Bent track connector	6	Considerable Collisions
Flat track connector	6	Considerable Collisions
Track	18	Considerable Collisions, Sled Tug-O-War
Mini cart	12	Considerable Collisions, Sled Tug-O-War
Cart wheels	48	Considerable Collisions, Sled Tug-O-War
Washers	60	Considerable Collisions, Sled Tug-O-War

Hot glue gun	6	Diving in the Dark, Wildlife Crossing in Pineywoods
Safety box cutter	6	Diving in the Dark, Wildlife Crossing in Pineywoods
Long nose pliers	6	Diving in the Dark, Wildlife Crossing in Pineywoods
Hobby snippers	6	Diving in the Dark, Wildlife Crossing in Pineywoods
Mini wire cutter	6	Diving in the Dark, Wildlife Crossing in Pineywoods
Small spoon	6	Environmental Effects on Plants
Graduated cylinder (100 mL)	8	Feeding Astronauts, Secret Substances
Beakers	12	Florida Summer Storms
Rulers	8	Hydroponics, Leopard Images in a Mirror, Secret Substances, Shadows Throughout the Day, The Power of Water
Mirror	6	Leopard Images in a Mirror
Mirror stands	12	Leopard Images in a Mirror
Small plastic animal	18	Leopard Images in a Mirror
Protractor	6	Leopard Images in a Mirror, Shadows Throughout the Day
Shadow sticks	12	Leopard Images in a Mirror, Shadows Throughout the Day
Hand lens	6	Mixing it Up!, Rock Classification and the Rock Cycle
Tin split shot	60	Mystery Mixture
Plastic BB	60	Mystery Mixture
Wood pieces	30	Mystery Mixture
Magnet	6	Mystery Mixture
Coffee filter	6	Mystery Mixture
Sieve	6	Mystery Mixture
Funnel	6	Mystery Mixture
Forceps	6	Mystery Mixture
Rock sets	6	Rock Classification and the Rock Cycle
Small fan	3	Sand Dunes
Tray	6	Sand Dunes, The Power of Water
Known Substance A: Aluminum Rod	8	Secret Substances
Known Substance B: Steel Rod	8	Secret Substances
Known Substance C: Brass Rod	8	Secret Substances
Known Substance D: Copper Rod	8	Secret Substances
Known Substance E: Nylon Rod	8	Secret Substances
Known Substance F: Acrylic Rod	8	Secret Substances
Known Substance G: Glass Square	8	Secret Substances
Known Substance H: Lead Split	8	Secret Substances

Shot		
Unknown Substance A: Aluminum Rod	8	Secret Substances
Unknown Substance B: Lead Sinker	8	Secret Substances
Unknown Substance C: Nylon Rod	8	Secret Substances
Unknown Substance D: Acrylic Square	8	Secret Substances
Magnet	8	Secret Substances
Beaker (250 mL)	8	Secret Substances
Graduated cylinder (25 mL)	8	Secret Substances
Physical model of Earth	6	Shadows Throughout the Day
Flashlight	6	Shadows Throughout the Day
Pulley connector	12	Sled Tug-O-War
Pulley rings	12	Sled Tug-O-War
Paperclips	1 box	Sled Tug-O-War
Test tubes with screw cap	18	States of Matter and Weight
Test tube clamp	6	States of Matter and Weight
Round test tube rack	1	States of Matter and Weight
Test tube stand	24	States of Matter and Weight
1-centimeter grid transparency	6	The Power of Water
Plastic bottle and screw cap with holes	6	The Power of Water
Wooden block	6	The Power of Water
Spring	6	Trampoline Double Bounce
Hanging mass set	6	Trampoline Double Bounce
Dowel rod	6	Trampoline Double Bounce
24-foot wire	1	Ways to Complete a Circuit
Acrylic squares	6	Ways to Complete a Circuit
Copper rod	6	Ways to Complete a Circuit
Colored pencil	6	Ways to Complete a Circuit
Aluminum foil	6	Ways to Complete a Circuit
Nylon rod	6	Ways to Complete a Circuit
Marker	6	Ways to Complete a Circuit
Pennies	6	Ways to Complete a Circuit
Highway vinyl picture	6	Wildlife Crossing in Pineywoods
34-ounce plastic water bottle with caps	6	Wildlife Crossing in Pineywoods
Toy truck	6	Wildlife Crossing in Pineywoods
Toolbox	6	Wildlife Crossing in Pineywoods
Mini hammer	6	Wildlife Crossing in Pineywoods
Philips head screwdriver	6	Wildlife Crossing in Pineywoods

Consumables	Quantity for Class	Investigation
Duct tape	1 roll	A Night in an Ice Hotel
Felt	12	A Night in an Ice Hotel
Foil	1 roll	A Night in an Ice Hotel
Large plastic cup	6	A Night in an Ice Hotel
Plastic wrap	1 roll	A Night in an Ice Hotel
Foam sheets	12	A Night in an Ice Hotel
Cotton fabric	12	A Night in an Ice Hotel
28-ounce/1-liter plastic bottle	6	Balloon-Powered Water Fountain
Latex balloon	25	Balloon-Powered Water Fountain
PVC clear vinyl tubing, 3/8" by 10'	1	Balloon-Powered Water Fountain
Clear silicone waterproof sealant	1	Balloon-Powered Water Fountain
Painter's tape	1 roll	Balloon-Powered Water Fountain
Miniature lightbulbs	18	Batteries and Bulbs in a Closed Circuit
AA batteries	18	Batteries and Bulbs in a Closed Circuit
16-ounce can of Coke	6	Cans of Coke and Diet Coke in Water
12-ounce can of Coke	6	Cans of Coke and Diet Coke in Water
7.5-ounce can of Coke	6	Cans of Coke and Diet Coke in Water
16-ounce can of Diet Coke	6	Cans of Coke and Diet Coke in Water
12-ounce can of Diet Coke	6	Cans of Coke and Diet Coke in Water
7.5-ounce can of Diet Coke	6	Cans of Coke and Diet Coke in Water
Nitrifying bacteria	2 bottles	Cloudy Fish Tank
Aquarium water conditioner	1 bottle	Cloudy Fish Tank
Ammonia	1 bottle	Cloudy Fish Tank
Pipette	24	Cloudy Fish Tank
Plastic cup	36	Cloudy Fish Tank
Ammonia test kit	1	Cloudy Fish Tank
Aquatic plants	24	Cloudy Fish Tank
100W lightbulb	6	Color Changing Anoles
Number stickers	6	Considerable Collisions
Lightbulb	12	Diving in the Dark
D cell battery	18	Diving in the Dark
Switch	12	Diving in the Dark
Wire	1 spool	Diving in the Dark
16-ounce cylinder squeeze bottle	6	Diving in the Dark
Bulb holder	12	Diving in the Dark
Hot glue stick	50	Diving in the Dark
Double-sided foam tape	2 rolls	Diving in the Dark
Duct tape	2 rolls	Diving in the Dark
Plastic straw	200	Diving in the Dark
Ramekins/dixie cups	6	Environmental Effects on Plants

White carnations/celery stalks	24	Environmental Effects on Plants
Salt	12 teaspoons	Environmental Effects on Plants
Food coloring	1 dropper	Environmental Effects on Plants
Plastic knife	1	Environmental Effects on Plants
Vinegar	24 ounces	Environmental Effects on Plants
Plastic cups	24	Environmental Effects on Plants, Hydroponics
Freeze-dried strawberries	1 pack	Feeding Astronauts
Freeze-dried bananas	1 pack	Feeding Astronauts
Freeze-dried peas	1 pack	Feeding Astronauts
Freeze-dried corn	1 pack	Feeding Astronauts
Freeze-dried peppers	1 pack	Feeding Astronauts
Freeze-dried carrots	1 pack	Feeding Astronauts
Freeze-dried cheddar cheese	1 pack	Feeding Astronauts
Freeze-dried pork	1 pack	Feeding Astronauts
Freeze-dried chicken	1 pack	Feeding Astronauts
Freeze-dried potatoes	1 pack	Feeding Astronauts
Powdered milk	1 pack	Feeding Astronauts
Powdered peanut butter	1 pack	Feeding Astronauts
Powdered butter	1 pack	Feeding Astronauts
Powdered eggs	1 pack	Feeding Astronauts
Granola	1 pack	Feeding Astronauts
Small plastic ramekins	90	Feeding Astronauts
50-pound bag of sand	1	Florida Summer Storms
Brooder bulb	6	Florida Summer Storms
Seeds	24	Hydroponics
Cups of soil	24	Hydroponics
Paper towels	24	Hydroponics
String	1 roll	Leopard Images in a Mirror
Tape	1 roll	Leopard Images in a Mirror
19-ounce canister of Kool-Aid mix	1	Mixing it Up!
26-ounce container of salt	1	Mixing it Up!
16-ounce box of brown sugar	1	Mixing it Up!
Clear plastic cup	36	Mixing it Up!
Plastic spoons	18	Mixing it Up!
Oil	6 ounces	Mystery Mixture
Sand	2 cups	Mystery Mixture
Rice	6 ounces	Mystery Mixture
Clear plastic cup	36	Mystery Mixture
Plastic spoon	12	Mystery Mixture
"Sand Dunes" topography maps	6 sets	Sand Dunes
50-pound bag of sand	1	Sand Dunes
Manilla folders	12	Sand Dunes
Modeling clay	3 packages	Sand Dunes
D battery	8	Secret Substances

Mini lightbulb with wire	8	Secret Substances
Chalk	1 box	Shadows Throughout the Day
String	1 roll	Shadows Throughout the Day
String	1 roll	Sled Tug-O-War
Mini chocolate chips	1 container	States of Matter and Weight
Wax pellets	1 container	States of Matter and Weight
Lard	6 tubes	States of Matter and Weight
50-pound bag of sand	1	The Power of Water
Duct tape	1 roll	Trampoline Double Bounce
D cell battery	6	Ways to Complete a Circuit
Lightbulb with wire	6	Ways to Complete a Circuit
Highway vinyl picture	6	Wildlife Crossing in Pineywoods
Maker string	1 spool	Wildlife Crossing in Pineywoods
Perpendicular blocks	48	Wildlife Crossing in Pineywoods
Dowels (300 millimeters by 5 millimeters)	48	Wildlife Crossing in Pineywoods
Connector strips (300 millimeters)	48	Wildlife Crossing in Pineywoods
Slide stop (300 millimeters)	12	Wildlife Crossing in Pineywoods
Craft sticks	100	Wildlife Crossing in Pineywoods
Chipboard pad (10 inches by 10 inches by .22 inches)	20	Wildlife Crossing in Pineywoods
Hot glue sticks	30	Wildlife Crossing in Pineywoods