

Ideas for Science Fair and Research Report

Mrs. Elmlinger

These are projects from Grades 7-12. Approval depends on appropriateness for grade level.

How Much Weight Will A Boat Support?
pH of Common Substances
Effect of Salts on Evaporation Rate
The Effect of Salt on Boiling Point
Using Electromagnetic Power to Propel a Marble
Surface Tension vs. Temperature
Accuracy of Blood Sugar Meters
How Temperature Affects Tire Pressure
Apple Drying
How Soil pH Affects the pH of Water
Strength of Magnets vs. Temperature
Does Music Affect the Growth of Plants?
Vitamin C Levels of Orange Juice
Effect of Solvents on Alka Seltzer
How Gauge of Wire Affects Resistance
Why Do Leaves Change Color?
How Long Does It Take Alka-Seltzer to Dissolve in Water?
Trebuchet - How Length Affects Distance
Viscosity of Liquids
What Type of Salt Melts Ice Faster?
Electrolyte Content of Sports Drinks
Anti Gravity Lifter
Comparison of Battery Life
Strength of Electromagnets
Effectiveness of Insulation Types
Accuracy & Precision of Paintballs
Iron in Cereals
Height vs. Splatter
Hardness of Tap, Rain, & Bottled Water
What Prevents the Browning of Apples
How Do Salt and Sugar Affect the Freezing Point of Water?
How Long Do Batteries Last?
Distillation of Orange Juice to Water
Freezing Temperatures of Liquids with Fruit
Surface Tension of Different Solutions
Dissolving Rate of Tablets
Does Eye Color Affect Peripheral Vision

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Cooling Rate of Soda

How Temperature Affects Basketball Bounce

pH of Juices

Does Brand Affect Popping of Popcorn

Does Freezing Affect the Glucose Levels of Fruits?

Solar Panels

How Do Flavoring Packets Affect the Freezing Point of Water

How Brands of Salt Affect Ice Melting

Rate Pain Killers Dissolve in Acids (Vinegar)

Electrical Capacity of Fruit

pH and Cleaning Pennies

Seismographs

Natural Herbicide, Pesticide, and Fertilizer Effectiveness

Mentos Reaction

Types of Tape vs. Stickiness

How Fruit Juices Affect Blood Sugar Level

Do Different Types of Orange Juice Contain Different Amounts of Vitamin C?

Rusting Rate of Different Metals

Do Substances Raise the Boiling Point?

How Nitrogen Affects the Size of Potato Plants

How Manure Fertilizer Affects Plant Growth

Music Tempo vs. Heart Rate

Rate of Burning of Incense

Strength of Bridge Structures

How Does Freezing Paintballs Affect Accuracy & Precision

Dissolving Rate of Brand Name vs. Generic Vitamins

How Oil Type Affects Popcorn Popping

Melting rates of Solutions with Different Solvents

What is Stronger? Ice or Ice with particles in it?

How Varying Ingredients Affects Flubber

How Length of Gun Barrel Affects Paint Balls

Battery Life

How Different Liquids Affects the Rate of Rusting

Dissolving Rate vs. Temperature

How Household Sealants Prevent Rust on Nails

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How Balls Bounce on Different Surfaces

Boiling Points of Solutions

Effect of Insulation of the Cooling of Water

Mpemba Effect

Electrolysis of Water

Strength of Bridges

Which Battery Lasts Longest?

pH Level of Beverages

Does Orange Juice Lose Vitamin C over Time?

Iron Content of Cereals

Which Plastic Wrap is Strongest?

Melting Rates of Ice Cream

Chromatography of Fruits, Vegetables, & Markers

Candy Chromatography

Caffeine vs. Acidity

Which Fruit is the Most Acidic?

Which Wood Glue is the Strongest?

Which type of Orange Juice Contains the Most Vitamin C?

Amount of Vitamin C in Fruits

pH of Types of Pop

Which Brand of Tennis Ball Bounces Highest

Burning Rates of Candles

Does pH Affect the Rate of Oxidation?

pH of Juice over Time and Temperature

How Much Iron in Cereal?

How Does Location Affect Soil pH?

Green Bags: Worth the Green?

The Effect of Temperature on the Rate of Dissolving Different Solutes

Storage Temperature vs. pH of Juices

The Effects of Salt, Sugar and Calcium Chloride on Boiling Point of Water

Newton's Laws of Motion

Time vs. pH of Citrus

Glucose Levels in Diets

Melting Marble

Essential Oils in Perfume

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Sports Drinks

Do Fans Cool You?

Gold Fish Memory

Oil Spills

Protein Eating Pineapple

Fish in a Bottle

Electric Crane

Bridge Strength

Viscosity of Liquids

Seismographs

Tornadoes

Wind Tunnels

Study Environments

Plant Tropisms

How Gravity Affects Soap Bubble Shapes

The Effect of Heat on Rubber Bands

Seed Growth

Dissolving Salts & Sugars

Hurricanes

Recycled Paper

Fire Extinguishers

pH of Cosmetics & Cleaners

Does Tire Size Make a Difference

Hero's Engine

Performance of Regular vs. High Test Fuels

Making Plastics

Quick Sand

Keeping Warm in Cold Weather

Oil Spills

Hero's Engine

Acne Remedies

Salt Water Circuits

Surface Tension of Soap

Separating Salt from Salt Water

Water Depth and Pressure

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Electromagnets

Stereoscopes

Acid Rain

Growing Crystals

Trebuchet

Fish Tapeworm Infection

Electric Conductivity

Creepy Corsage

Why Airplanes Fly

Ice Melting

Tornadoes

Are Cats Right or Left Pawed

Pulse of Pulsars

Lip Prints

Ant Farm

Bag Storage - Green vs. Clear

Music Distraction

Spina Bifida

Air Cars

Paw Prints

Triboluminescence of Lifesavers

Soap Bubbles

Brain Tests

Volcanoes

Enzyme Busters

Hot Air Balloons

Vitamin C

Electrical Magnets

Submarines

Growing Crystals

Static Electricity

Molds

Hovercraft

Salmonella Poisoning

Heavy Metals in Cereals

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Electromagnetic Crane

Food For Thought

Acid Rain

Copper Plating

Sponge Absorption

Saponification of Soap

Fan Controlled Skate Board

Making Plastic from Milk

Starches

Pin Hole Camera

Factors Affecting Meat Composition

pH of Common Beverages

How Surface and Size Affects the Bounce of Balls

How Weight Affects the Distance a Pinewood Derby Car Travels

Strength of Fishing Line

Which Popcorn Pops Best?

Shape of Wind Vane vs. Power Produced

Which Cleaners Break Down Jello Best?

Soil Moisture Retention & pH Levels

Effects of Chlorine on Living Material

Heat From Light

Does the Color of a Candle Affect Burn Rate?

Absorbancy of Paper Towels

How Ammonia Affects Crystal Growth

Oxidation of Metals

Super Cooling and Snap Freezing

Erosion

Acidity of Commonplace Things

Effect of Temperature on Viscosity

Effect of Insulators on Temperature

Sound Insulation

Which Sweatband Absorbs Best

How Does Fabric Softener Affect Drying Time?

Impact of Falling Objects

Strength of Wood Glue

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How Substances Affect the Boiling Point of Water
Heat of Combustion of Candle Wax
What Plastic Wrap Prevents Evaporaton Best?
How Temperature Affects Paint Balls
Which Drill Battery Lasts Longest?
Amount of Vitamin C in Preserved Strawberries
Rate That Vitamins Dissolve in the Stomach
How Surfaces Affect the Adhesion of Tape
What Melts Ice Best?
Which Battery Lasts Longest?
Does Hot Water Freeze Faster Than Cold?
Rate That Water Freezes With Different Starting Temperatures
Factors Affecting Crystal Growth
Amount of Gas Emitted by Decomposing Fruit
How Weight Affects the Force of an Arrow
Dissolving Salts and Sugars
Absorbancy of Cloth
Viscosity of Liquids
Which Pop Reacts Most with Mentos
Fruit and Vegetable Batteries
Strength of Paper Towels
Energy of Nuts
What Cleans Pennies Best?
Iron in Cereals
The Shape and Effect of Beams
Terminal Velocity
Lung Capacity vs. Aging
Fertilizers: Organic vs. Conventional
How to Orient a Solar Panel to Received Maximum Sun
Peppermint and the Brain
Effectiveness of Peppermint vs. Conventional Antacids
Pharmaceutical Antacids or Home Remedies
How Does Tire Pressure Affect Rolling Resistance
Dissolution Time of Pain Relievers
Measuring the Turbidity of Water

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Effectiveness of Antibacterial Soap vs. Bar Soap

Which Kills More Bacteria, Soap or Hand Sanitizer

How Does the Number of Blades on a Wind Turbine Affect Its Electrical Output?

Which Light Bulb Provides the Best Illumination?

Corrosion: How Different Acids Affect It.

Effect of Dimples on the Height of a Rocket

The Science of Radar

Hearing Thresholds: A Comparison of Age vs. Varying Frequency and Decibels

Do Water pH Levels Affect Rate of Rusting?

Water Quality in the ___ River

Thermal Energy in Water

Can You Replace Baking Powder With Baking Soda in Baking?

Energy Drinks: Benefits vs. Risks

The Blue Light of Luminol - How Bright & How Long?

How Does the Surface Temperature of a Solar Panel Affect Output?

Can You Identify The Drink With the Most Sugar by Taste?

Comparison of Fat Content of Regular & Low Fat Foods.

How Does the Price of Chicken Compare With the Weight Change After Cooking?

Does Chord Length Affect a Propeller's Efficiency?

Going Ripe for Banannas

Biofuels

The Effects of Lipids on Saponification

Melting Rate of M & M's

Does the Shape of an Ice Cube Affect Melting Times?

Which Paper Towel Absorbs the Most Water?

Which Cleat Has the Better Traction?

Which Brand Pops the Most Corn at the Lowest Price?

What Brand of Duct Tape is Best?

Fingerprints

Minimizing Residue on Contact Lens

Ice Melters

What Type of Nut Produces the Most Energy?

The Effect of Microwave Radiation on Plant Growth.

The Best Fingerprinting Surface

Wind Turbines

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Paintball Barrels - Long vs. Short

Penetration of Ammunition

How Does Acidity Affect the Corrosion of Steel?

Caffeine Content of Beverages

The Absorbancy of Paper Towels

In What Environment Do Crystals Form Quickest?

What Pipe is Most Cost Effective in Geothermal Heating?

Fastest Way to Cool a Soda

Light Bulb Efficiency

Which Metals Oxidize More Quickly?

Which Fruit Has the Most Electrical Charge?

Which Fan Spins the Fastest?

Which Frozen Beverage Melts the Fastest? Water, Apple Juice, Pepsi, or Skim Milk

Measuring Lead on Surfaces

Does the Particle Size of Salt Affect the Melting Rate of Ice?

Soil Temperatures in Bare Soil and Grass Surfaces

How Fabrics React to Pigments

Paper Airplanes and Lift

Mummification of a Hot Dog

Why Do Different Types of Glass Insulate Differently?

Surface Tension

Changing the Viscosity of Oil