



LIFE & PHYSICAL SCIENCES PAST PROJECTS

Acidity of Brewed Coffee
Aerodynamics of Different Automotive Shapes
Alternative Methods to Put Out a Grease Fire
Bacterial Power!!!
Bio Spoon
Can Words Change Your Taste?
Difference Between Hydroponically Grown Plants and Soil Grown Plants
Do Darker Colored Crayons Take Longer to Melt than Light Colored Crayons?
Do Different Centripetal Forces Affect How Seeds Germinate?
Do Different Types of Music Affect the Growth of Plants?
Do M&Ms Keep Their Color in Different Types of Liquids?
Do People Know When They Are Being Watched?
Does Smell Enhance Our Memory?
Does the Color of Food Affect its Flavor and Taste?
Does the Cookie Sheet Affect the Way a Cookie Bakes?
Does Time Really Fly When You Are Having Fun?
Does Vanilla Ice Cream Taste Better If It Costs More Money?
Edible Water Bottle
Effect of Different Sweeteners on Yeast
Effect of Mentos on Different Sodas
Effectively Melting Snow, Without Harming the Environment.
Effects of Oil Spills on Marine Environment
Exploration of Eco-friendly Energy Sources
Explosions with a Hint of Mint
Fantastic Flippers
Fighting Wildfires with Data
Food Waste Battery
Forensic Science: Identifying DNA
Homemade Atmospheric Water Generator
Hot Ice Sculptures
How Do Cameras Work?
How Do Different Types of Music Affect a Person's Heart Rate?
How Do Different Voltages Affect Electrolysis with Water?

How Does Sugar Water Affect Grass Growth?
How Does the Amount of Vinegar Affect the Bounciness of an Egg?
How Many Lemons Are Needed to Power a Light Bulb?
Impacts of Soda on Human Teeth
Know What's in Wilton's Water Flow
Launching a Ball Using a Trebuchet
Mentos vs Soda
Organic vs. Fertilized Soil for Plant Growth
Osmosis and Cells
Permanent Marker Stain Remover
Polymers Stopping Floods
Pretty Petals
Price of Saving the Environment
Profile Pictures and Their Importance
Pseudo vs Real Behavior and Physical Health
Relative Hardness of Common Water Types
Science Behind Self-Inflating Balloons
Soapy Surface Tension
Solar Power and Efficiency
Styrofoam Solution
Sugary Geysers
Testing our Thermoreceptors
Testing Vitamin C Content in Beverages
The Effect of Acid Rain on Aquatic Life
The Effect of Smoking on the Lungs
The Effect of Videogames on the Body
The Effects of Pollution on Water Systems
The Egg Drop Experiment
The Electrifying Hydrogen Fuel Cell
The Five Second Rule
The Properties of Ferrofluid
The Science of Sound
Thought Controlled Robotic Limbs
To Seal or Not to Seal
Water Pollution Solution
Which Color is Easiest on the Eye?
Which Drink Will Stain Your Teeth the Most?
Which Electrolyte Conducts Most Electricity?
Which Ice Cream is Made Faster, With or Without Salt in the Ice?
Which Laundry Detergent Cleans the Best?
Which Method Will Preserve the Banana the Longest?
Which Water is More Alkaline?

ENGINEERING SCIENCES PAST PROJECTS

Arch Magic: The Unbreakable Egg
Are Laminates Strong
Build a Water clock
Building a Solar Oven
Building a Virtual Assistant for Raspberry Pi
Building an Inexpensive Desktop PC
Can a Toilet Paper Roll Support Your Weight?
Can the Color of Your House Reduce Your Energy Bills?
Canary in Coal Mine
Design a Kite that Flies Best in Low Winds
Design a Windmill to Power Middlebrook
Design a Clock that Syncs and Reminds
Designs of Carnival Games
Dirty Water Purification
Do Swept Wings Affect Aerodynamics?
Drink to the Brink
Eco-friendly Hot Air Balloon
Effects of Different Materials on a Magnetic Field
Efficiency of Wind Turbine Designs
Empowering People with Disabilities
Exploration of Eco-Friendly Energy Sources Designs
Fortnite Battle Bus
Freeze Free Feeder
How Do Different Angles Affect a Wireless Network?
How to Reduce Friction
Impact of Turbine Blades on Power Output
Is Data Secure Over Unprotected WiFi?
Make Play-doh Light Up and Move
Maze Solving Car
No Electricity, No Problem!
Optimizing Wind Energy
Power Parachutes
Power Pipes
Project Helios: Creating Solar Powered Shelters
Quiet Down Invention
Sensor Robot Maze
Smart Glasses for the Blind
Solar Art Sculpture
Solar Powered Car

Solar Powered Oven

The Point of a Parabola: Focusing Signals for a Better Wireless Network

Water Leak Detector

What Can We Build to Make Wilton's Water Flow Eco-Friendlier?

What Materials Make the Most Resonant Soundboard?

Which Bridge Design Holds the Most Weight?

Which Materials Are Better Conductors?

Wind Tunnel Experiment

PROJECT IDEA RESOURCES

[Science Fair Central](#) Project ideas for K-12. Set up for searching by age and category.

[How to Do a Science Fair Project](#) In this video series, a JPL scientist, engineer and educator team up to help students learn how to observe the world around them and ask questions about the things they observe. Students will learn how to take those observations and turn them into a successful science fair project.

[Science Buddies](#) Science fair project ideas, answers, and tools for serious students.

[ISEF: Get Started](#) Comprehensive student and teacher checklist, advice, and resources.

[Kids Online Resources](#) Excellent science project resource page with links to great sites.

[Lots of Science Project Ideas Links](#) Collection of links to science project idea websites, classroom activities and reference materials.

[Make: Magazine for DIY Technology](#) Make: Magazine brings the do-it-yourself mindset to all the technology in your life. Make: is loaded with exciting projects that help you make the most of your technology.