EXAMPLES of SCIENCE FAIR PROJECTS

BROKEN DOWN by CATEGORIES

**A. Physical Science**

1. How Does a Magnet Produce Movement in a Current-Carrying Wire? How do magnets produce movement in a wire? How can magnets make the currents move? Explore these questions in this science project using magnets, battery, and wire. See how currents move right before your eyes!

2. A Bridge to Nowhere - The objective of this science fair project idea is to create a bridge between two chairs using books.

3. Color Me Hot! The objective of this science fair project is to determine if dark colors provide more heat and light colors help stay cooler. The project tests the hypothesis that dark colors absorb more heat than light colors by testing ice cubes and different color fabrics in the sunlight.

4. Can a Toy Car Reveal the Strength of a Magnet? The purpose of this science fair project is to determine the strength of a magnet based on the distance it moves a magnetic toy car.

5. Do Some Colors of M&Ms Melt Faster than Others? M&M candies advertise that they "melt in your mouth, not in your hand," but what about the microwave? The goal of this science fair project is to investigate which colors of M&Ms melt faster in the microwave than others.

6. Why are There Bubbles in My Water? Ever wondered why there are bubbles in your tap water? Check out this cool science fair project idea to have fun with bubbles and explore the gas solubility in water.

7. Comparing Light Bulbs - Do incandescent and fluorescent bulbs produce the same kind of light? Do incandescent and fluorescent bulbs produce the same amount of heat?

8. What Is the Tensile Strength of Fishing Line? The purpose of this science fair project is to determine the tensile strength of a fishing line, or how much weight it can hold before it breaks.

9. Salty Ice Cubes - Will salt water freeze? Possible Hypotheses: Salt water will/will not freeze.

10

**B. Life Science**

1. Can plants be nourished with juice, soda, or milk instead of water? This project explores how well plants live and grow when "watered" with juice, soda, or milk.

2. Memory of Horses - Can a horse lead itself to the carrot? The purpose of this science fair project is to test whether horses remember the box in which carrots are placed.

3. Sorting and Classification for Young Children - Sorting and classification are very important skills for a scientist (think Periodic Table of Elements & Taxonomic Hierarchy). This engaging project encourages young children to practice and refine these skills.

4. Which Food Will Mold the Fastest? - Have you ever noticed that some foods in your refrigerator grow mold faster than others? This science experiment gives you the opportunity to test which foods will spoil quickest and teach you why.

5. How Do Odors Affect Cricket Behavior? - The purpose of this science fair project is to investigate how various odors affect cricket behavior.

6. Insulation Experiment: Keep Your Body Warm - Ever wonder why your mom makes you wear two or three layers of clothing when you go outside to build a snowman? In this insulation experiment, you'll learn which clothes keep you warm in the cold, and which make you shiver.

7. Bone Appetit - The goal of this science fair project is to determine whether premium dog foods are healthier than less expensive brands of dog food.

8. Discovering and Sorting Seeds in Fruits and Vegetables - In this project children will discover, identify, and sort seeds from a variety of fruits and vegetables.

9. How Much Fat Is in Potato Chips? The objective of this science fair project is to find out how much fat is in potato chips.

10. What's the Best Way to Stop Cut Fruits and Vegetables from Turning Brown? The purpose of this science fair project is to determine how to best

11

keep cut fruits and vegetables from turning brown. Should they be left alone, or should they be soaked in water, lemon juice, vinegar, or soda?

**C. Earth Science**

1. How Does Moisture Affect the Color of Soil? The purpose of this science fair project is to determine how moisture affects the color of soil.

2. Crystal Wonderland - Objective of this science fair project is to examine the effects of temperature on salt and water solutions, as they form crystals over time.

3. The Ghost in the Tube - Make a "ghost" appear in a test tube, and discover what happens when hot water and cold water interact.

4. Rocking Water - The objective of this science fair project is to investigate how water and movement affects erosion.

5. Sun Print: How Solar Energy Creates Chemical Changes - Photosensitive paper is coated with a chemical that changes color when it's exposed to sunlight. See how blocking the sun's light can stop those can stop those changes from happening!

6. Meteorologist for a Day - Can you predict the weather? What if you knew the weather in another part of the country? This science experiment will test this theory.

7. How Compact Are the Soils Near Your Home and School? Compaction is the compression of soil. The purpose of this science fair project is to measure soil compaction in your neighborhood and relate it to plant growth.

8. Pasta Coquina: Make Your Own Sedimentary Rock - In this project, students will create their own version of coquina, a sedimentary rock that's formed of seashells and sand cemented together by the minerals in seawater.

NOTE: These are just a sample of the numerous experiments that you can find on the website below.

reference Source: http://www.education.com/science-fair/ below.