

Hilldale School
Suggested Science Fair Project Ideas
(to be adjusted to fit the Purpose of your experiment)

Life Science

How do vitamins affect plant growth?
How do the moon phases affect plant germination? (Sci Study)
How does the amount of light on plants affect their growth?
What is the effect of household chemicals on bean seeds?
Under what color light do plants grow best?
In what kind of material (sand, clay, etc.) do seeds grow best?
What is the effect of chlorinated water on plant growth?
What is the effect of temperature on seed growth?
Will plants grow better in soil or water?
How does electric current affect the growth of plants?
Does light (or temperature) affect the growth of plants?
How does light affect the sprouting of seeds?
How does temperature affect the sprouting of seeds?
How do plants react to different kinds of music?
How do mirrors affect the way plants grow?
What can be done to increase the decomposition rate of plants?
How do you affect the travel of a snail or meal worm?
What is the best condition for the growth of mold?
What is the effect of different colored cellophane on plant growth?
What is the effect of different amounts of fertilizer on plants?
What is the effect of different types of mulch on plant growth?
What is the effect of leaving stems on fruits?
What are the effects of the environment on popped popcorn?
How does aspirin affect the life of cut flowers?
How does age affect response time? (Sci Study)
What effect does light have on meal worms?
What effect does light have on earth worms?
What is the relationship between specific insects and specific plants?
What effect does color have on attraction of moths (or another insect)?
How does temperature affect the flash rate of fireflies?
How does temperature affect the chirp rate of crickets?
How accurately can you tell the temperature of an object by touch?
How quickly do muscles get tired? (Sci Study)
How do preservatives affect the growth of mold?
In what environment does yeast grow best?
How does the amount of yeast affect bread?
How does the amount of baking powder affect cookies?
Does washing or sterilization cut down the number of living microbes?
Can an earthworm detect light and darkness?
How do detergents affect the growth of algae in pond water?
How does caffeine affect blood pressure?
How does lung power vary with age and activity level?
How does pollution affect plant growth?

Physical and Chemical Science

Which color of liquid absorbs the most heat?
Which color container cools off the quickest?
How does temperature affect the height at which different balls bounce?
What is the effect of light on dyed materials?
What materials work best in conducting sound? (e.g. in string telephones)
What are the effects of washing on dyed materials?
How well do various fabrics absorb dyes?
Which magnets are strongest? (size, shape, etc.)
Which materials conduct electricity best?
Which materials conduct heat best?
What affects sounds from different rubber bands?
Do coins corrode more in salt or fresh water?
How does vinegar affect egg shells?
When it rains (or snows), is the amount of water the same in different locations?
What is the effect of heat when dissolving sugar?
What is the effect of heat when dissolving salt?
What is the effect of salt on ice?
What kind of materials can put out a fire?
What is the best shape for a kite?
What effects do various solutions have on rusting metal? Do all objects fall at the same speed?
How does the weight of a pendulum affect the swing?
How is the distance a cart rolls affected by the mass in the cart?
On what kind of surface will a ball roll fastest?
Does sound travel best through solid, liquid, or gas?
What materials provide the best insulation?
What is the effect of temperature on the volume of air?
How does the length of a vibrating body affect the sound?
How does the design of a paper airplane affect its flight?
How does friction affect work?
How does friction affect the efficiency of a bicycle?
How does the type of medium affect the bend of light, as light passes through it?
What affects the projection of shadows?
What affect does magnetism have on electric current?
How does air space affect insulation?
How does the strength of a magnet affect distance?
How does the chlorine in swimming pool water affect human hair?
How does the tail affect the flight of a kite?

Consumer Science

Which candle lasts the longest?
Which stain remover removes stains the best?
Which battery lasts the longest?
Which brand of fishing line is the strongest?
Which diaper absorbs the most liquid?
What is the average time of yellow lights at various intersections in Daly City?
Which brand of Raisin Bran cereal has the most raisins?
Can people tell name brand from generic brand condiments when blindfolded?
Which chewing gum holds flavor the longest?
How does the wattage of a light bulb affect energy use?
Which brand of light bulb is best for saving energy?
Is hand sanitizer as effective at killing germs as soap and water?

Earth and Space Science

How accurate are long-range weather forecasts?

Is rainwater absorbed at the same rate in different kinds of soil?

What can rocks tell us about the past?

How do weathering and erosion affect the shape of the earth's surface? How can we control them?

How are wind currents generated, and what are their effects?

How does air pressure affect an airplane (or parachute, or helicopter, or kite, or hot-air balloon)?

How do wind currents affect an airplane (or parachute, or helicopter, or kite, or hot-air balloon)?

What factors affect the performance of windmills?

What factors affect the buoyancy of a boat?

What factors affect atmospheric pressure?

How does soil type affect water retention?

How does acid rain affect seed germination and plant growth?

How does terracing affect erosion?

What are the effects of water on different types of wood?

How do moon phases affect seed germination? (Sci Study)