

# SCIENCE FAIR EXPERIMENTS

Precipitation in Roanoke is not more acidic than the United States Average.

Particles of larger volume will settle higher when the sample is mixed.

The amount of cotyledon removed from a peanut embryo directly affects the development of the peanut.

The greater supply of food will increase the fruit fly density in a controlled environment.

Simple carbohydrates (glucose) can be found in most foods.

Reaction time depends on the size of particle as well as the temperature of solution.

The amount of heat needed to melt ice is related directly to the mass of the ice.

The volume of a gas is directly related to the temperature of a gas at atmospheric pressure.

Metals make better conductors (lower resistance ) than insulating materials.

The speed of a battery operated vehicle is directly related to the voltage of the batteries.

Friction can be increased and decreased with different materials.

The period of a simple pendulum depends on the length of the pendulum.

Images formed by plane mirrors are reversed but of the same size.

The angle of refraction of light entering water will be less than the angle of incidence.

Sand changes temperature faster than water.

Glass is the best material for use in a greenhouse.

The Relative Humidity varies at different locations as well as at the same location on different days.

Color affects the absorption of radiant energy.

The reflection values of various color paper differs from each other as well as from aluminum foil.

Insulation values of clothing differs with moisture content.

Salt depresses the freezing point of water.

Gripping force decreases by half in a minute.

Pressure increases with depth in liquids.

Well water will have greater conductivity (indicating hardness) than school water.

The number of wire winds is directly related to the magnetic field strength of an electromagnet.

The buoyant force on an object varies directly with the density of the liquid.

The mass of a car traveling down an incline is directly related to its highest velocity.

Velocity of a car traveling down an incline is directly related to the distance a crash dummy is thrown.

The size of a parachute determines the terminal velocity of a falling object.

An inverse relationship exists between the pressure and volume of the confined gas.