

Paper airplane performance

\*Robots

\*Using electromagnets to power a car

\*Battle of the bridges

\*Computer projects

\*Testing a car headlight as a satellite dish antenna

\*Storing the sun's energy

\*Power from rising air

\*Power from the waves

\*Testing different water turbine blades

### Earth Science

\*Charting the apparent motion of Polaris

Composition of Hawaiian sand

Water retention of different soils

Using a computer for mineral identification

How much dust falls on your lawn in a month?

How clean is our air?

How acid is our rain?

Speed of clouds using photography

The effect of wave action on different rocks (using a rock tumbler)

Wave barriers

Using feathers to clean up oil spills

Terracing and how it affects erosion

\*The effects of water on different types of wood

### Consumer

Which firewood gives the most heat per dollar?

\*Which solar panel is most efficient?

Can a roof overhang cut summer cooling costs?

A comparative study of various packing materials

How much money can a pool cover save?

Which candle is the best buy?

\*Which light bulb is most efficient?

Are TV commercials louder than regular programming?

Think up your own special project

The frequency and length of TV commercials during a one-hour program

Which battery is the best buy?

How much does it really cost to run a refrigerator?

Which stain remover works best?

Which detergent removes grass stains best?

Which detergent cuts grease the best?

Which detergent has the longest-lasting suds?

The effectiveness of pre-wash products

Waterproofing agents - which is best?

The effects of deodorants on clothes

Which paint protects wood the best?

The effectiveness of different wood preservatives

\*Shampoo evaluation

\*Water solubility of suntan lotions

\*Meat, fat and moisture content of hot dogs

\*Do sausages vary in fat and water content?

Which popcorn pops the most?

Up to bat - wood or aluminum?

Fishing lines take the strength test

\*Sole traction - which sole is best?

\*Skateboard wheels - which are best?

Leaky faucets - how much do they cost us?

Which uses more water, a shower or a bath?

Which container (or wrapping) preserves food best?

Which paper towel is most absorbent?

Which diaper is best?

Which lighter has the most fuel?

Comparison of locks - which is best?

Which nails have the best holding power?

\*The best air pressure for an A.T.C. (3-wheeler)

How long are yellow lights at various intersections?

Do parking meters give us the right time?

### Life Science

Does a magnetic field affect the growth of beans?

Does electricity affect the growth of beans?

Does temperature affect the growth of plants?

How do plants react to different kinds of music?

\*How detergents affect the growth of plants

Do plants grow better with tap water or distilled water?

The effects of rootbounding on plant growth

Do roots always grow down?

Do mirrors affect the way plants grow?

\*Does leaf surface area affect plant growth?

Leaf size vs. location

Effects of artificial vs. natural light on plants

Under which color cellophane do plants grow best?

Can you give a plant too much fertilizer?

Testing different potting soils

Which mulch covering works best?

\*Does the phase of the moon affect the germination of seeds?

Do seeds sprout better in cold or hot climates?

\*How does gravity affect the growth of seeds?

\*Does acid rain affect the germination of seeds?

Under which thickness of plastic do radishes grow best?

How the amount of light affects the growth of marigolds

Do avocados ripen more evenly with the stems left on?

\*Which banana has the most sugar - green, yellow or brown?

\*Comparing the moisture content of five varieties of apples

Effects of the environment on popcorn (heat, cold, moisture, time, etc.)

Does aspirin prolong the life of cut carnations?

\*How detergents affect the growth of algae in pond water

\*A study of marine growth on various surfaces

How fast does a mealworm (or snail) travel?

The speed of snails on different surfaces

\*Horsepower of snails

The effect of different metals on snails

Effects of household pesticides on earthworms

Do earthworms help plants to grow?

\*Can insects pull more than their own body weight?

\*Ant control - natural vs. chemical repellants

Do goldfish grow larger in a larger tank?

Fish feeding - the effects of light

\*Can mice see colors?

\*Can mice distinguish shapes (squares, circles, triangles - associate one with food)

\*Hamster activity and the phases of the moon

\*Can the color of unborn rabbits be predicted?

How many grams of food does a rabbit eat per day?

Chickens and colored corn - which will they eat?

\*Will a chicken lay more eggs with rock music playing?

Do pyramids preserve food?

\*How does our vision affect our taste?

Light vs. vision - which color is best?

Night vision and the effects of colored objects

\*The effect of color on depth perception

Does a blindfolded person walk in a circle?

The relationship between age and response time

\*Can you recognize your own profile?

Left-hand, right-hand transference using a "mirror tracing"

Reading and remembering with different colored paper - which works best?

Flexibility: boys vs. girls

Do adults know U.S. geography? (or math skills, science concepts, etc.)

How do people react when seeing a teenager shoplift?

\*How teeth react to different liquids

\*Do taste buds grow weaker as you get older?

\*Effects of coffee on a person's steady hand

\*Effects of caffeine on blood pressure

Hot tubs and their effect on blood pressure

\*Effects of foul smells on blood pressure

\*Tar and nicotine in five brands of cigarettes

Smoking vs. lung capacity

Lung power of different age groups

Insights Visual Productions

O. Box 644 Encinitas CA 92024 (619) 942-0528

\* Denotes more difficult projects