**INTERMEDIATE SCIENCE FAIR PROJECT IDEAS (4-5)**

Does an earthworm react to light and darkness?

Does surrounding color affect an insect's eating habits?

Do different kinds of caterpillars eat different amounts of food?

How do mealworms react to various surfaces?

Which lubricants make a car travel faster down a ramp?

What factors affect the growth of bread mold?

What type of oil has the greatest density?

Which type of sunglass lens blocks the most light?

Which materials keep ice cubes from melting for the longest time?

Which amount of air space is the best insulator for storm windows?

Which brand of popcorn pops the most kernels?

Which brand of popcorn pops the fastest?

Which type of cleaner removes ink stains best?

Which brand of soap makes the most suds?

Which plastic trash bag is the strongest?

Which house plant fertilizer works best?

Which brand of disposable diaper absorbs the most liquid?

Can you tell time without a watch or clock?

Is using two eyes to judge distance more accurate than using one eye?

Do boys or girls have a higher resting heart rate?

Do taller people run faster than shorter people do?

Who can balance better on the balls of their feet - boys or girls?

Does exercise affect heart rate?

Does the human tongue have definite areas for certain tastes?

Does heart rate increase with increasing sound volume?

Can you see better if you limit the light that gets to your eye?

How accurately do people judge temperature?

How does coffee affect blood pressure?

What percentage of seeds in a package will germinate?

How much of an apple is water?

Does a plant need some darkness to grow?

What are the effects of chlorine on plant growth?

How does light direction affect plant growth?

Do different types of soil hold different amounts of water?

Will adding bleach to the water of a plant reduce fungus growth?

Does sugar prolong the life of cut flowers?

How much of an orange is liquid?

Does the color of light affect plant growth?

Do plants grow bigger in soil or water?

How much weight can a growing plant lift?

Does it matter in which direction seeds are planted?

What plant foods contain starch?

Which liquid has the highest viscosity?

Will more air inside a basketball make it bounce higher?

Do all colors fade at the same rate?

Does a baseball go farther when hit by a wood or metal bat?

What kind of glue holds two boards together better?

Can you use a strand of human hair to measure air moisture?

How far can a water balloon be tossed to someone before it breaks?

Does the shape of a kite affect its flight?

What gets warmer faster - sand or soil?

In which way does the wind blow most frequently?

Will a ball bounce higher if it is dropped at a greater distance from the

floor?

Do sugar crystals grow faster in tap water or distilled water?

What common liquids are acid, base or neutral?

What determines how fast a piece of candy dissolves?

Which type of line carries sound waves best?

Which metal conducts heat best?

Can same-type balloons withstand the same amount of pressure?

Does the viscosity of a liquid affect its boiling point?

What materials provide the best insulation?

Which keeps things colder - plastic wrap or aluminum foil?

Do liquids cool as they evaporate?

Does the size of a light bulb affect its energy use?

How long a distance can speech be transmitted through a tube?

Does the color of a material affect its absorption of heat?

Does sound travel best through solids, liquids or gases?

Is the amount of erosion affected by the slope of land?

How much heat does a closed automobile absorb?

Does baking soda lower the temperature of water?

Does the color of water affect its evaporation?

Can you separate salt from water by freezing?

Will water with salt evaporate faster than water without salt?

What type soil filters water best?

What types of bacteria are found in tap water?

Which liquid freezes most quickly?

Does color affect the rate at which an ice cube melts?

Through which materials will magnetism pass?

Does the shape of an ice cube affect its melting rate?

What can you do to make a toy parachute fall more slowly?

Which brand of popcorn makes the largest yield?

Does color affect the evaporation rate of water?

Do bigger seeds make bigger plants?

Do bigger wheels roll faster?

Does the type of soil affect plant growth?

Which liquid dissolves pills faster?

Does color affect heat absorption?

Does the design of paper airplanes affect the distance they will fly?

Does temperature affect germination of seeds?

Which liquid evaporates most quickly?

Does the color of a birdhouse affect feeding habits of birds?

Do vitamins affect the germination of seeds?

Does the kind of water absorbed by seeds affect germination?

Does music affect plant growth?

Does temperature affect crystal formation?

Does temperature affect mold growth?

What is the most effective way to get rid of stains in clothes?

Which age group has the best memory?

What do elementary students fear the most?

Do the phases of the moon affect germination?

How does the growth of plants under incandescent lighting compare to the

growth of plants under fluorescent lighting?

Does magnetism affect plant growth?

Does music affect the time it takes children to put a puzzle together?

Which shampoo is best for your hair?

How does over population affect the behavior of an ant colony?

What foods attract different insects?

Through which materials will magnetism pass?

Does the way food is stored affect its freshness?

Does temperature affect germination of seeds?

Does temperature affect the way ants behave?

Does color affect peoples ideas about the taste of food?

Do the moon phases affect the way children perform in school? …or behave in

school?

Which materials are effective conductors?

Do sounds affect the behavior of crickets?

Does music or sound affect sleep or the time it takes to sleep?

Which shampoo is best for your hair?

Which leaves, berries, flowers, or vegetables make the best dyes for cloth?

Which whitener works best?

Which toothpaste is best for your teeth?

Are the same insects attracted to traps placed at different heights above ground.

Does human hair affect the growth of plants?

Which type of plant grows best under artificial lights?

Does temperature affect capillary action in celery plants or carnations?

How does rotation affect plant growth?

Does the amount of salt in water affect the boiling temperature of water?

What kind of light bulb last longest and is cheapest?

What metal is the best conductor of heat?

Which plastic zip-lock bag brand is the most secure container?

What is the best method of disposing of plastic garbage bags?

What is the effect of light and temperature on bread molds?

Which household kitchen wrap is best to protect against leakage?

Is there a difference in short term memory skills between males and females?

Does color affect the short term memory of a list of words?

How much information do people recall after memorizing a list?

Does background music have an impact on memory?

Which fast-food burger contains the least grease?

Does photosynthesis take place when there is no light?

How much light do plants need to survive?

What is the effect of temperature on the rate of photosynthesis?

Would soapy water harm or help seed sprouting plant growth?

Does the starting temperature of water affect how long it will take to freeze?

Which bat hits a ball the farthest, aluminum or wood?

What is the best shape or design of a boomerang?

How does the tail affect the flight of a kite?

Does the color of an object determine how much heat it absorbs from sunlight?

Does the color of a liquid contribute to its ability to absorb heat?

Does temperature affect how much salt or sugar can be dissolved in water?

Does surface area affect the evaporation rate of liquids?

Which temperature of water helps detergents removes stains best?