



IDEAS FOR SCIENCE FAIR PROJECTS

The ideas, problems and questions which come from your youngster will be the most meaningful to them. Some sample titles from previous science fair entrants are listed below. These titles are included as examples of the kinds of questions that include measurable variables. They are in the form of questions, since the purpose of a science project is to have students come up with a question they want to answer, set up and do an experiment with variables and controls, and come to a conclusion.

BIOLOGICAL:

1. How does temperature affect the number of seeds that germinate?
2. How do different forms of exercise affect heart rate?
3. How does salt affect the growth of rye grass seeds?
4. How does environment affect the growth of mold?
5. What are the effects of cleaning agents on the growth of bacteria?
6. What are the effects of different liquids on the germination of seeds?
7. How does water temperature affect the growth of hydroponic plants?
8. What effect does acid rain have on the growth of bean plants?
9. Do different additives in water prolong the life of freshly cut flowers?
10. How does the pH of the soil affect seed germination?
11. Which type of sugar results in the fastest growth in yeast cells?

PHYSICAL:

1. What are the effects of different colored containers on the retention of heat?
2. What is the effect of placement of weight on plane flight?
3. Do different metals conduct heat at different rates?
4. How do different materials affect heat retention?
5. How does the angle of rocket launch affect its trajectory?
6. What are the effects of density on buoyancy?
7. Will different liquids affect the amount of electrical current that passes through them?
8. Does the size of a soccer ball affect how high it will bounce?
9. Do different geometric shapes have varying structural strengths?
10. What are the effects of lubricants on the speed of a skateboard?
11. Does the surface of a ramp affect how far a car will roll?
12. Which glue will hold the most weight?
13. What is the effect of salt water on the oxidation of metal?