

SAMPLE ELEMENTARY
SCIENCE PROJECT IDEAS 2015

Remember: the results must be measurable! You need quantitative info on your graph (no rating scales)!

Plants

1. How does the amount of light given to plants affect their growth?
2. What is the affect of different amounts of water on the growth of plants or seeds?
3. What affects the growth of grass seed?
4. What are the effects of acid rain on plants?
5. What effect does vitamins have on the growth of a plant?
6. What effect does the direction of the plant roots have on the growth of that plant?
7. What affect does the size of the seeds have on the size of the plant?
8. How does the amount of heat given plants affect their growth?
9. How does the medium used (sand, clay, etc.) affect the growth of seeds or plants?
10. What is the effect of different types of water on plant growth?
11. What is the effect of using different methods to grow plants from a leaf shoot?
12. What is the effect of temperature on the sprouting of seeds?
13. What is the effect of adding something to prolong the life of cut flowers?
14. What is the effect of adding plant food to have seeds or plants grow?
15. How does the size of the seed affect the size of the fruit produced by a plant?
16. What affect does the depth of a planted seed have on the growth of that plant?
17. What is the affect of soaking seeds in liquids on their germination rate?
18. How does the size of the fruit affect the amount of water it contains?
19. What percentage of seeds in a package will germinate?

20. How does aspirin affect the life of cut flowers?
21. How does sugar affect the growth of yeast?
22. What is the effect of fertilizers on the growth of plants?

No Animals

Earth and Space

1. How does the type of soil affect the absorption rate of water?
2. What is the effect of temperature on sand or soil?
3. How does the type of soil and what is grown in it affect the amount of water it retains?
4. How does the type of soil medium affect the amount of heat stored?
5. How does the type of plant grown affect the erosion of soil?
6. How does the type of filter affect the cleaning of dirty water?

Human Body

1. How does age, gender or health of people affect their lung capacity?
2. How does the height of the person affect the size of their hands?
3. How does gender or age affect the width of student's hands?
4. How does gender affect the height of students at a particular age?
5. What affect does increasing sound volume have on heart rate?
6. What effect does exercise have on heart rate?
7. What effect does using two eyes rather than using one eye to judge distance?
8. What effect does listening to music have on heart rate?

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Physical Science

1. What is the effect of heat when dissolving sugar or salt?
2. What is the effect of using different types of salt to melt ice?
3. What is the effect of distance on the strength of a magnet?
4. How is the strength of a magnet affected by different materials (glass, cardboard, wood and plastic)?
5. What is the effect of the number of coils of wire for the strength of an electromagnet?
6. How does the shape of a kite affect the kite's ability to fly?
7. How does the type of material affect the ability of a kite to fly?
8. How do pulleys affect the ability to move an object?
9. How does the height of the ramp affect the distance of an object to travel?
10. How does the type of material on a ramp affect the ability of an object to travel?
11. How does the type of material affect the formation of rust on iron or steel?
13. How is the distance a cart rolls affected by the mass in the cart?
14. How does the surface on which a ball, or other object affect its' ability to roll?
15. How does heat affect the type of metal?
16. What is the effect of using wheels to reduce friction?
17. How does the temperature of water affect the ability of materials to dissolve?
18. How does the shape of a parachute affect its ability to work?
19. How does the type of material that a parachute is made of affect its ability to work?
20. How does temperature of air or water affect how an ice cube melts?
21. How does the amount of air in a basketball affect its ability to bounce?
22. How does the type of material affect how it provides insulation?
23. How does the design of a paper airplane affect its flight?
24. How does the type of paper affect the flight of a paper airplane?
25. How does the color of water affect its evaporation rate?
26. How does the surface of a material affect the ability of suction cups to stick equally well?
27. How does the surface of a material affect how a top spins?
28. How does adding salt or sugar to water affect the ability of water to evaporate?
29. How does the type of material that a baseball bat is made of affect the ability of the baseball to travel?
30. How does using a lever affect the ability to lift an object?
31. How does the type of material affect the ability to transmit sound?
32. How does the type of balloon material affect its ability to withstand the same amount of pressure?
33. How does the type of material affect the ability to keep the temperature inside cold (or warm)?
34. How does the color of a material affect its absorption of heat?
35. How does the type of water affect the growth of sugar crystals?
36. How does the type of liquid affect its density or viscosity?
37. What effect does the size of particles have on how fast a solute dissolves?
38. How does temperature affect the growth of sugar (or salt) crystals?
39. How does light affect the growth of sugar (or salt) crystals?
40. How does the type of black marker affect the number of colors found in its ink?
41. How does the height of a ball dropped affect the height or number of bounces that a ball makes?

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Consumer Science

1. How do different types of paper towels affect the absorption rate of water?
2. How does the type of popcorn affect the amount of popcorn popped/not popped?
3. How does the type of material affect their ability to absorb water?
4. How does the type of battery affect the ability of an object to work the longest?
5. How does the ability of different paper towels to absorb water affect their costs?
6. How does the type of diaper affect its ability to absorb water?