

SCIENCE EXPERIMENT IDEAS – LEVEL 1
Third and Fourth Grade

1. How much salt does it take to float an egg?	21. Do bigger seeds produce bigger plants?
2. What kind of juice cleans pennies best?	22. Which materials absorb the most water?
3. Which dish soap makes the most bubbles?	23. Do wheels reduce friction?
4. Do watches keep time the same?	24. What materials dissolve in water?
5. On which surface can a snail move faster - dirt or cement?	25. What is the soil in my schoolyard made of?
6. What brand of raisin cereal has the most raisins?	26. Does holding a mirror in front of a fish change what a fish does?
7. How can you measure the strength of a magnet?	27. What color of birdseed do birds like best?
8. Do ants like cheese or sugar better?	28. What holds two boards together better — a nail or a screw?
9. Can the design of a paper airplane make it fly farther?	29. Will bananas brown faster on the counter or in the refrigerator?
10. Do roots of a plant always grow downward?	30. Does temperature affect the growth of plants?
11. Can you tell what something is just by touching it?	31. Do mint leaves repel ants?
12. What kind of things do magnets attract?	32. Does a ball roll farther on grass or dirt?
13. What foods do mealworms prefer?	33. Do all objects fall to the ground at the same speed?
14. How long will it take a teaspoon of food dye to color a glass of still water?	34. Does anyone in my class have the same fingerprints?
15. Does a bath take less water than a shower?	35. Which travels faster — a snail or a worm?
16. Can you tell where sound comes from when you are blindfolded?	36. Which paper towel is the strongest?
17. Can plants grow without soil?	37. Can plants grow from leaves?
18. Does warm water freeze faster than cool water?	38. Which dissolves better in water — salt or baking soda?
19. In my class, who is taller — boys or girls?	39. Can things be identified by just their smell?
20. Do different types of apples have the same number of seeds?	40. With which type of battery do toys run longest?

SCIENCE EXPERIMENT IDEAS – LEVEL 2
Fourth and Fifth Grade

1. How far does a snail travel in one minute?	21. Does the color of water affect its evaporation?
2. Do different types of soil hold different amounts of water?	22. Can you separate salt from water by freezing?
3. Will adding bleach to the water of a plant reduce fungus growth?	23. How does omitting an ingredient affect the taste of a cookie?
4. Does water with salt boil faster than plain water?	24. Do suction cups stick equally well to different surfaces?
5. How far can a person lean without falling?	25. Which student in class has the greatest lung capacity?
6. Can you tell time without a watch or clock?	26. How much weight can a growing plant lift?
7. How far can a water balloon be tossed to someone before it breaks?	27. Will water with salt evaporate faster than water without salt?
8. Does the shape of a kite affect its flight?	28. Does it matter in which direction seeds are planted?
9. Does an ice cube melt faster in air or water?	29. Which cheese grows mold the fastest?
10. Does sugar prolong the life of cut flowers?	30. Do all colors fade at the same rate?
11. How much of an orange is water?	31. Which brand of diaper holds the most water?
12. Which liquid has the highest viscosity?	32. In my class who has the smallest hands -- boys or girls?
13. Will more air inside a basketball make it bounce higher?	33. Which kind of cleaner removes ink stains best?
14. Does the color of light affect plant growth?	34. Does a plant grow bigger if watered by milk or water?
15. Does baking soda lower the temperature of water?	35. Which brand of soap makes the most suds?
16. Which brand of popcorn pops the most kernels?	36. Does a baseball go farther when hit by a wood or metal bat?
17. Which brand of popcorn pops the fastest?	37. Do living plants give off moisture?
18. How much can a caterpillar eat in one day?	38. Using a lever, can one student lift another student who is bigger?
19. In my class, who has the biggest feet -- boys or girls?	39. What gets warmer -- sand or dirt?
20. Do plants grow bigger in soil or water?	40. Which kind of glue holds two boards together better?

SCIENCE EXPERIMENT IDEAS – LEVEL 3

Advanced

1. What kind of line carries sound waves best?	19. Do boys or girls have a higher resting heart rate?
2. Can the sun's energy be used to clean water?	20. Do liquids cool as they evaporate?
3. Does a green plant add oxygen to its environment?	21. Which way does the wind blow most frequently?
4. Which metal conducts heat best?	22. Does the size of a light bulb affect its energy use?
5. What percentage of corn seeds in a package will germinate?	23. For how long a distance can speech be transmitted through a tube?
6. Does an earthworm react to light and darkness?	24. Which grows mold faster --- moist bread or dry bread?
7. Does the human tongue have definite areas for certain tastes?	25. What type of soil filters water best?
8. Can same-type balloons withstand the same amount of pressure?	26. Does the color of a material affect its absorption of heat?
9. Does the viscosity of a liquid affect its boiling point?	27. Does sound travel best through solids, liquids, or gases?
10. Does surrounding color affect an insect's eating habits?	28. Do sugar crystals grow faster in tap water or distilled water?
11. Do children's heart rate increase as they get older?	29. Can you see better if you limit the light that gets to your eye?
12. Can you use a strand of human hair to measure air moisture?	30. How much of an apple is water?
13. What materials provide the best insulation?	31. What common liquids are acid, base, or neutral?
14. Is using two eyes to judge distance more accurate than using one eye?	32. Do taller people run faster than shorter people?
15. Do different kinds of caterpillars eat different amounts of food?	33. Does the length of a vibrating object affect sound?
16. What plant foods contain starch?	34. Does a plant need some darkness to grow?
17. What keeps things colder --- plastic wrap or aluminum foil?	35. Who can balance better on the balls of their feet --- boys or girls?
18. Does heart rate increase with increasing sound volume?	

