

Science Fair Ideas:

Which toy car will roll down the ramp the fastest? Or go the farthest?
Does eating a snack before shooting free throws in basketball make you play better?
What will dissolve a TUMS the fastest?
What makes the heart beat faster: running for 1 minute or watching a scary movie?
Does the weight of the paper used in making a flying airplane affect the distance the plane can go? Or does the fold design?
Which hamburger will mold the fastest?
Does HIFloat really help keep a helium balloon up longer?
Can a dog find hidden dog treats just by using their nose?
Does the color of the candle affect its burning time? use the same type of candle, but different colors to see.
Which Beyblades stay up longer?
What genre of music enhances math performance?
Which melts first milk, white or dark chocolate?
Which vegetable is most liked in a smoothie?
Which power bars are the most nutritious: granola, candy, or energy bars?
Does the color of the crayon affect how long of a line it will draw?
Does flipping a coin have a pattern or not?
Which of my favorite cold cereal absorbs the most milk and gets soggy?
Can I make instruments with materials from home that are capable of making notes?
Is it better to stretch your muscles before exercising to avoid injury? Will you have a better performance if you stretch?

Science Categories and Questions

LIFE SCIENCE- the study of plant and animal life.

What does a plant need to grow?
How would plants grow when watered with different caffeine drinks?
Do plants prefer tap or distilled water?
How does temperature affect plant growth?
In which soil do plants grow best?
Do large apples have more seed than small ones?
What conditions do pill bugs prefer: light or dark, moist or dry?
Can earthworms detect light?
How far does a snail travel in one minute?
What are the best conditions for the growth of mold?
Which bread molds most quickly?
Which color of liquid do hummingbirds prefer?
Which food does a hamster prefer? A cat? A dog? A bird?
Do mice really like cheese?
How are we affected by dust and smoke in the air?
What is the average height of children my age?
Does washing your hands really get rid of germs?
Does a skinned knee heal faster when it's covered with a bandage or left alone?

Do boy gerbils and girl gerbils behave differently?
Can animals tell time?

PHYSICAL SCIENCE- the study of the chemistry of life processes or the study of the nature and composition of matter.

How does changing the amount of ingredients affect bread?
What makes yeast foam? Can you speed up or slow down the growth of yeast?
Which magnets are the strongest?
Which materials conduct heat best?
Which materials dissolve in water? Which do not?
How fast does water evaporate?
Will ice cubes melt faster when they are crushed?
How long does it take water to freeze?
Do coins corrode more in salt or fresh water?
How does vinegar affect egg shells?
What whips faster, egg whites or whipping cream?
What material reflects light best? What materials absorb light best?
How does film collect an image from a camera?
How does a thermometer work?
Can wind be a source of energy?

EARTH AND SPACE SCIENCE- geology, oceanography, astronomy, geography, etc.

How does a shadow change throughout the day?
How does the depth of snow vary at different locations?
Does a sundial keep good time?
What causes different climates?
Why do stars twinkle?
Can animals predict earthquakes?
Can animals forecast the weather?
How can we measure the altitude of stars and planets?
How can we measure the amount of moisture in the air?
Do different models of ships float better on the sea?
Is paper or plastic better for earth's environment?

MATH- development of logical systems to compute numbers, statistics, geometry, number theory, probability, etc.

How many different triangles have the same area?
How many different shapes can tessellate?
How do you know if a number is divisible by 10? Can you find other divisibility rules?
How do we use different number bases in our culture?
Investigate different methods of calculating using your fingers and hands.
What are Fibonacci Numbers and how do they work?
Investigate triangular numbers, pentagonal or hexagonal number?

SOCIAL SCIENCE- Human and societal behavior

Which color do boys prefer to wear? Which color do girls?
Does listening to classical music really help you do better on tests?
Which paper towel absorbs the most water?
Which brand of raisin bran has the most raisins?
Can people detect different soft drinks when they are blindfolded?
Do some batteries last longer than others?
Which bar of soap lasts longer?
What makes gummy bears sticky or M&Ms melt in your hand?
Which fast food fries are the best bargain by weight and count?
Which product removes pet stains the best?
Does it cost less to ride the buss or drive a car?

ENGINEERING- electricity, electromagnets, power, sound

Which materials conduct electricity the best?
What sounds do different rubberbands make? Or different glasses?
What is sound?
Can electricity create magnetism?
Can falling water generate electricity?
What keeps an airplane in the air?
How does a rocket work? How can you make a homemade rocket?
What makes a working radio?
What is the best design for an earthquake proof bridge? Or building?

COMPUTER SCIENCE-Study and development of computers

How much energy does a computer use?
What web sites do student in your grade like best?
How does your computer store sound? Or video?
How do computer bar codes or QR codes work?