

Great Project Ideas

Cool Chemistry Science Fair Project Ideas

Do women's cosmetics contain potentially harmful chemicals?

Why do some liquids mix with each other while others don't?

How does the strength of tape decrease over time?

Why do some fabrics shrink after being washed?

Research the characteristics of different gases.

What's the best way to remove a red wine stain from carpet?

Test a range of household cleaners to see which works best.

What are the most difficult stains to remove?

Can you use forensic science to see if someone in your house has been reading your diary?

What's the best way to remove bad odors from a room?

Test the effects of different types of acids on various materials.

What types of glue are the strongest?

Make the tallest Mentos and Diet Coke eruption you can.

How do glow sticks work?

Study the effectiveness of sunscreen. / Explore the chemistry of crystals.

How effective are vitamin supplements?

What are some negative side effects of medicine?

How do non-stick fry pan surfaces work?

What kind of chemicals does chewing gum contain?

Study the different types of chemicals used in shampoo and conditioner.

How does hair dye work?

Use litmus paper to test the pH level of various chemicals.

What are the chemical differences between permanent and non-permanent markers?

Cool Physics Science Fair Project Ideas

What effect do different materials have on air resistance?

Does your microwave have any effects on objects that are near but not inside it?

What types of materials keep liquids hot for the longest amount of time?

How do different surfaces affect the level of friction?

What materials absorb the most sound?

Study the strength of surface tension among different liquids.

What three dimensional shapes are the strongest?

How does the weight of an object affect how far you can throw it?

Test Newton's three laws of motion.

What kind of materials work best as parachutes?

Research how much pressure it takes to pop a balloon after different amounts of air have been blown into it.

Does the surrounding temperature affect the speed at which a candle burns?

What types of wood burn the fastest?

Does tire pressure effect how far you can travel on a tank of gas?

Is a car more fuel efficient when traveling with the windows up?

What bridge designs can hold the heaviest loads?

What colors absorb the most light?

Test the strength of different fabrics.

Cool Electricity Science Fair Project Ideas

How fast does electricity move?

Experiment with different electricity circuits.

What has a bigger impact on the lifespan of a light bulb, the amount of times you turn it off and on or the length of time it is on?

Do electrical devices drain power when plugged in but not switched on?

Which brand of batteries last the longest?

What materials conduct electricity better?

How much electricity do televisions use when on standby?

Generate electricity from an everyday activity.

What are some of the important safety precautions when dealing with electricity?

Test the feasibility of using fruits and vegetables as batteries.

What are the most energy efficient heating methods?

Compare various light bulbs for cost, energy consumption, heat output, brightness etc.

Explain the difference between AC and DC currents.

What materials produce the most static electricity?

Build an electricity circuit that sets off an alarm if a diary is opened.

What are the characteristics of a magnetic field?

Make your own compass.

What would happen if the Earth had no magnetic field?

Build an electricity circuit with a working switch.

Cool Animal Science Fair Project Ideas

What baits work best for catching fish?

Research the social interaction between insects such as ants.

What substances keep various insects away?

Follow the life cycle of a frog.

Study behavioral differences between different breeds of dogs.

Do dogs have a preference when eating from different colored bowls?

Follow the sleep patterns of various animals.

How closely is the weight of an animal related to how much food it eats?

Are mosquitoes more attracted to certain types of people?

Do dogs favor their left or right paws?

How many different insect species can you find on your property?

Research how animals that live in cold places survive.

What led to the extinction of dinosaurs?

Study the social and family lives of spiders.

Do goldfish live longer in a tank or in the wild?

Why do bright lights attract insects?

How good is a cat's memory?

Monitor the social interactions between groups of animals.

Do dogs take on characteristics of their owners?

What kind of thing can you teach animals?

Do insect killers really kill the insects they say they do?

Study the effects of second hand smoke on pets.

What makes a spider web sticky?

Cool Plants Science Fair Project Ideas

How well do seeds grow under different environmental influences?

Make a hydroponic garden.

How long can different plants survive without sunlight and water?

Why do certain plants only grow in certain places?

What kind of soil requirements do plants need?

Make your own compost.

How do greenhouses help plants grow better?

Study different types of mushrooms.

Why do leaves change color?

Research different types of grass and what conditions they grow best in.

Can a plant survive on orange juice rather than water?

Investigate if the cross section of a carrot has any relationship to its age.

Study some non chemical ways of keeping insects away from strawberries.

How does the process of photosynthesis work?

After being frozen, why does a banana go brown so quickly?

Research the number of seeds in different types of apples.

What happens when you overcrowd an area with too many plants?

How fast do sunflowers grow?

Does cutting down trees on a hill affect the chances of a landslide or slip?

Study how does a venus fly trap works.

Are cactus spikes poisonous?

How well do plants grow under artificial light?

Cool Psychology Science Fair Project Ideas

Do colors have an effect on people's emotions?

What kind of facial reactions do people make to different smells?

How does a placebo effect work?

What are some of the side effects of social networking on the Internet?

How strongly do brand names effect the decisions of consumers?

Study how our subconscious affects our behavior.

Can visualizing a positive outcome before an event or activity improve your results?

Why do humans respond more favorably towards cute things?

Do people respond differently to the same questions asked by people wearing different clothes?

Does music have an affect on your level of happiness?

What are some effective ways of getting children to eat vegetables?

How do the potential for rewards determine how much effort humans put into various tasks?

Is your physical appearance related to the subjects you take at school or your job?

Are people with symmetrical faces really more attractive?

In terms of psychology, in what ways are humans different to apes?

Can watching facial expressions tell you if a person is lying or not?

Make your own lie detector.

Who are more superstitious, men or women?

At what age do humans recognize themselves in a mirror?

Discuss the idea of cheating as an evolutionary strategy.

How strongly are a child's interests related to that of their parents?

Why do humans procrastinate?

Are there positive side effects of learning a musical instrument?

Cool Human Body Science Fair Project Ideas

What effect does exercise have on your appetite?

Does caffeine have an effect on your reaction time or other physical abilities?

Can you tell the difference between various soft drinks without using your sense of smell?

Does hair color have an affect on the speed at which it grows?

Is the speed at which your hair grows related to temperature?

Does an increase in heart speed heighten your senses?

Research family traits such as hair color and height.

Do wounds heal faster with or without band aids?

What are some of the characteristics of human saliva?

What effect does age have on various physical skills? (Sight, reaction time etc)

What would be worse for your health, licking a toilet bowl or a coin?

Does looking at a computer screen have an affect on your short term eye sight?

How much heat does a human produce?

Study different techniques for improving short term memory.

If age affects memory, at what point does your memory start to get worse?

Why do we use toothpaste when we brush our teeth?

What kinds of television shows affect your heart rate the greatest?

Is there a relationship between your fitness level and the chances of catching a cold?

Are you more likely to get sick if you are stressed?

Is there such thing as an optimal amount of sleep?

Does taking a nap during the afternoon improve your concentration during the evening?

Do hot drinks make your digestive system work better?

Why do humans cry? / Are tanning beds dangerous for your health?

Is one of your eyes stronger than the other?

Research if there are any relationships between gender and various types of allergies.

What seasons are the most common for catching a cold or flu?

Cool Biology Science Fair Project Ideas

In what conditions does mold form quickest?

Study the differences between bacteria and viruses.

How is swine flu different to a regular flu?

In terms of hygiene, what is the best surface to prepare food on?

Discuss the ethics of cloning.

How long should you use a kitchen sponge before replacing it with a new one?

Use a microscope to study different substances in detail.

How long can you keep certain foods in the fridge before they become unsafe to eat?

Research your family tree.

What are the differences between yeast, mold, mushrooms and fungi?

What kind of microorganisms can you find in water from a river?

How does pollination work?

Extract and examine DNA from various fruit and vegetables.

Study Darwin's theories of evolution.

How might humans evolve in the future?

What plays a bigger role in the person you become, your upbringing or your genes?

How long does it take for various materials to decompose?

Debate the positive and negative arguments for genetically engineered food.

Study the effects of different fertilizers on plant growth.

Cool Earth Science Fair Project Ideas

Why are only some types of packaging recyclable?

What are the short and long term effects of forest fires?

Research what your local area might look like in 50 years due to various human environmental factors.

Study the Earth's magnetic field.

What effect do fans have on the temperature in a room?

Study erosion in your local area.

Test if modern cars are really better for the environment than older ones.

Is there a difference between the air you breathe indoors compared to the air you breathe outdoors?

Study rock formations in your local area.

What are some possible side effects of diverting a river?

Other than jewelry, what are diamonds used for?

Study the size and frequency of waves at a beach.

Use Mohs hardness scale to test different rocks.

Research what your country looked like a millions of years ago and how the movement of tectonic plates has affected this.

Study the locations of volcanoes on Earth.

What effects might prolonged global warming have on Earth?

How does a tornado form?

What parts of the world are most susceptible to hurricanes?

Cool Water Science Fair Project Ideas

How does water travel through the root of a plant?

Research how some animals can survive for long periods of time without water.

Does boiling water remove all the contaminants?

Invent your own way of filtering water.

Test the pH levels of water from different sources (bottled, tap, river, rain etc).

What are some good ways of removing oil from water?

How many cups of water should the average human drink a day?

Does ice melt at a rate proportional to its surface area?

What would happen in your area of the world if the polar ice caps were to melt?

Study the different forms of water drainage at sports fields.

Can you keep cut flowers alive longer by putting them in something other than water?

Which brand of paper towels absorbs more water?

How much do humans sweat during physical activity?

Study if there are better ways to put out fires than with water.

Is bottled water really cleaner than tap water?

How much water do you save on average by having a shower rather than a bath?

What are some good ways of reducing the amount of water you use in your daily life?

Study the future effects of water shortages around the world.

How easily can moisture damage electronic equipment?

Could life as we know it be supported on a planet with no water?

What are monsoon seasons and why do they occur?

Does swimming in a chlorine pool have any long term negative effects on your health?

Why do some parts of the world experience regular droughts?

Cool Food & Cooking Science Fair Project Ideas

Do various food products really give the health benefits they say on the labels?

Test what effects the way you cook meat has on its level of calories.

What locations or conditions are best for keeping food fresh?

Explore the different types of chemical reactions that occur while cooking.

Make your own cheese, yoghurt or other dairy products.

Why are some egg shells brown and some white?

Research the science behind different types of diets.

What fruits contain the most sugar?

Does chemical spraying have an effect on the taste of food?

Why do you sometimes get 'brain freeze' from cold foods and drinks?

Are there any common cooking ingredients that are useful when cleaning?

Does eating food make you sleepy?

Why is too much candy bad for your health?

Is coffee addictive?

Why is it so important that we eat fruit and vegetables?

Does food presentation affect its perceived taste?

Are certain foods more beneficial when eaten for breakfast rather than dinner?

Make your own healthy eating food pyramid.

Why is an egg shell stronger at the ends than the sides?

How does the way you cook a vegetable affect the nutrients you receive from eating it?

Are organic foods really better for your health?

Cool Sports Science Fair Project Ideas

What affect does string tension have on the accuracy and power of a tennis shot?

Is there an optimal angle to throw a javelin?

Research the physics behind throwing a baseball.

What is the best way to kick a rugby ball if you want it to spiral perfectly? (Angle, force, point of impact etc).

Is physical performance affected by temperature?

Why are more people right handed than left handed?

Research the science behind a boomerang.

How do the gears of a bicycle work?

What materials are the fastest to swim in?

Determine what role the moisture level in a cricket pitch has on the bounce of the ball.

What are the characteristics of different tennis surfaces?

Do dimples on a golf ball make it fly further?

How does a soccer player curve the ball?

Study the physics of throwing a Frisbee.

How well do cycle helmets protect your head in the event of an accident?

Is it easier to hit home runs in an indoor baseball stadium than it is to hit them in an outdoor stadium?

How much does wind affect the flight of a golf ball?

Does the rotation of a basketball after a shot is taken affect the chances of it going through the hoop?

What role does nutrition play in sport?

How does a sailing boat use the wind to its advantage?

What affect does playing sport at a high altitude have on the distance a ball will fly through the air?

Cool Space & Astronomy Science Fair Project Ideas

Follow the movement of stars in the night sky.

Create a model mars rover that can handle rocky surfaces.

Study the phases of the moon.

Discuss the idea of life on another planet.

What kind of affect does solar weather have on Earth?

Study the Big Bang theory.

Make your own constellations from stars in the night sky.

Research the chances of Earth being hit by a large asteroid in the next 100 years.

Study the lifespan of the sun relative to other stars.

Research Halley's Comet.

Make a sundial to help you tell the time.

How does the temperature vary from the center of the sun to the surface?

Why do planets orbit the sun in an elliptical shape?

Is it possible for two planets in our solar system to collide?

How big does an object need to be for it to not totally disintegrate when traveling through Earth's atmosphere?

Make an argument that black holes don't exist.

Why is there a higher concentration of stars in some parts of the night sky relative to others?

Study different types of stars including how they end their life cycles.

How often is Earth hit by objects from space?

Cool Technology Science Fair Project Ideas

Can you make a robot with some form of artificial intelligence?

Make a machine or device to help you with your daily chores.

Research how building and construction methods have changed over the years.

How are modern buildings designed to withstand large earthquakes?

Do video games have any positive side effects?

Make your own camera.

How accurate are different types of clocks?

In what places can you not get cell phone reception?

Make a homemade television aerial.

Study how a ball point pen works.

How do gears in a car work?

Research potential fuels that could be used in future vehicles.

How much heat do cell phones produce?

Make a solar powered vehicle.

Research how modern digital cameras work.

How does the search engine Google calculate its search results?

What advantages do different image formats have over each other?

Make your own counting machine (calculator).

How do rewritable CD's and DVD's work?

What is Moore's law and how accurate has it been?

Test different building designs for earthquake stability.

How reliable are fire alarms?

Are wireless signals more reliable in higher temperatures?