

Backyard Brains Experiments



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Experiments. Welcome to the Backyard Brains experiments page for scientists, teachers and amateurs alike. Below you will find all of our open source experiments, lesson plans and useful information.

Backyard Brains Neuroscience Experiments for Everyone

Background. Our muscle system is the largest system in our body (40%-50% of our weight). This system includes your heart, which is a pump made of specialized cardiac muscle, and the smooth muscles in your guts, allowing food to move.

Experiment: EMGs during Muscle Fatigue - Backyard Brains

When you head out to the desert, David Strayer is the kind of man you want behind the wheel. He never texts or talks on the phone while driving. He doesn't even approve of eating in the car. A ...

Call to the Wild: This Is Your Brain on Nature - Magazine

I'm a neuroscientist, and I'm the co-founder of Backyard Brains, and our mission is to train the next generation of neuroscientists by taking graduate-level neuroscience research equipment and making it available for kids in middle schools and high schools.

Greg Gage: Electrical experiments with plants that count ...

Maniac Mansion is a graphic adventure game in which the player uses a point-and-click interface to guide characters through a two-dimensional game world and to solve puzzles. Fifteen action commands, such as "Walk To" and "Unlock", may be selected by the player from a menu on the screen's lower half. The player starts the game by choosing two out of six characters to accompany protagonist Dave ...

Maniac Mansion - Wikipedia

Join us for several exciting hands-on experiences and experiments in Biology! Get right into the fun in our Lab Experiences where you will perform experiments in: infectious diseases spread, crime scene analysis, and DNA forensics.

Atlanta Science Festival

6 www.score-education.org Health & safety checking As part of the reviewing process, the experiments in this booklet have been checked for health and safety. In particular, we have attempted to

Practical Work in Primary Science - SCORE

THE FUNDAMENTALS OF NEUROSCIENCE strives to push the boundaries of what is possible in online education. By utilizing fun artistic presentations, on-location fieldtrips, do-it-yourself at-home experiments and rich online interactive experiences, we have tried to make our course a totally new kind of online educational experience.

The Fundamentals of Neuroscience | Harvard University

Create an exciting curriculum on electricity and magnetism by incorporating our science projects with magnets and circuits. Students can build motors and electronic circuits, view a static magnetic field and learn about Lenz's law through our eddy current tubes. We carry a wide collection of science experiments on electricity and magnetism to teach your young scholars for years to come.

Electricity & Magnetism Tools for Science Classrooms ...

You could make damned right smoked meats on an all-motive charcoal grill or gas grill, however, to make the most amazing ribs, salmon, bacon, pulled red meat, turkey, you need a specialized smoker. "Whoever said money can't purchase happiness definitely did not understand wherein to buy groceries."

Restaurant Blog - Just another restaurant blog

Why you should listen. As half of Backyard Brains, neuroscientist and engineer Greg Gage builds the SpikerBox -- a small rig that helps kids understand the electrical impulses that control the nervous system. He's passionate about helping students understand (viscerally) how our brains and our neurons work, because, as he said onstage at TED2012, we still know very little about how the brain ...

Greg Gage | Speaker | TED

America's most convenient appliance – microwave ovens seem to be an absolute necessity in today's fast-paced world. They are currently present in at least 90% of homes in America thanks to their ability to cook and reheat foods or beverages in a simple, rapid way. The majority of people use this kitchen appliance without question and often think they are a reasonable alternative to ...

Microwave Dangers - Why You Should Not Use a Microwave

Play games with your PBS KIDS favorites like Curious George, Wild Kratts, Daniel Tiger and Peg + Cat!

Games | PBS KIDS

Read the latest stories from National Geographic's Great Energy Challenge

Great Energy Challenge - nationalgeographic.com

They say silence is golden. In my childhood home, it was terrifying. I was very much a seventies kid. I played outside. I made forts on the beach and built booby traps around them to stop invaders. I rode bikes all over town and on poorly made ramps made from scrap plywood. Saturday mornings, I ...

My Father Gave Me the Silent Treatment as Punishment. It ...

Play a game that lets them physically touch the objects they're counting. As an added bonus, research shows that hands-on projects activate kids' brains and help them learn better.

Fun Learning Activities for Kids You Can Do at Home

Take every opportunity to head outside with your preschooler and have some family fun. If you have children of varying ages, it may be hard to come up with activities that they all can participate in together.

50 Fun Things to Do Outside With Kids as a Family

More and more, job candidates are choosing a company because of its culture rather than its promised paycheck — and it's not just a fad. Your company culture has to hold water and stand the test of time. If not, it could be costing you lots of money. According to Columbia University and ...

Measure Your Company Culture With These 7 Insightful Questions

We offer youth summer camps with a little bit of something for everyone! Book your child's camps for a summer adventure of behind-the-scenes looks, exploring the museum, friend-making opportunities and discovering new things.

Youth Summer Camps - indianamuseum.org

A researcher has been breeding dissent from the science community with a series of experiments she believes proves that plants are making intelligent choices and listening to sounds. Biological ...

Pea plants conditioned like Pavlov's dog in research ...

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