



Science Rocks!

Ian Graham

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Science Rocks! is a cross between a science manual offering youngsters a variety of awe-inspiring ideas for projects that could enliven their school work, and a book of suggestions of fun things to do to fill a few spare minutes, an hour, or a day. By making use of everyday objects commonly found around the home, it is instantly accessible to all.

Included are some tougher experiments to encourage family participation and group efforts, such as making outrageously large bubbles with dry ice and liquid soap. Meanwhile, the Brainwaves section features tricks and puzzles that can be carried out alone or used to test family and friends-perfect for rainy days or long car trips.

Science Rocks! Details

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Author : Ian Graham

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From Reader Review Science Rocks! for online ebook

Kate Hastings says

Grades 4-8. This book is filled with do-it-yourself science experiments. Most of them can be done with everyday materials, but some require the purchase of electric wire or dry ice. The photos and diagrams are very helpful and draw students in. Great collection. (It rocks, even)

Abby says

Another fantastic book published by DK! The experiments are varied and interesting. Can't wait to try some!

Vandy says

great doable experiments-- putting 2 colored liquids in a glass without having them mixed....

Nicole says

One stop shop for experiments, and of course it's graphically appealing cuz it's from DK. Each experiment has a "How Does This Work?" explanation.

Experiments to try (and make sure they work!):

Crystal Creation (alum crystals) p. 16-7, alum, pipe cleaners, paper clips

Bigger Bubbles (outdoor prog/kickoff) p. 18-9, dishwashing liquid, glycerin, sugar, dowel, string, metal washer

Slime Time p. 26-7, cornstarch, food coloring

Cycle Centrifuge (separating mixtures) p. 30-1, bike, 2 clear small bottles, vinegar, mustard, oil

Elephant's Toothpaste p. 34-5, plastic bottle, hydrogen peroxide, dishwashing liq, food coloring, dry yeast, funnel

Dome Sweet Dome (strength of arches demo with eggs and bricks) p. 44-5, eggs, tape, scissors, bricks or books

Bottle Rockets p. 46-7, plastic bottles, cardstock, tape, cork, foot pump with needle adapter, water

Fly Dart/Float Glider (paper airplanes) p. 52-3, paper, ruler, paper clip

Balloon Hovercraft p. 54-5, balloons, pop-up top from drink bottle, old CD, glue

Rubber band drag racers, p. 56-57, cardboard, bamboo skewers, jar lids (multi sizes but in pairs), glues, rubber bands

Soda Shoot (mentos one!) p. 64-5, soda, mentos, cardstock, toothpick

Chill Out (make sorbet!) p. 77, orange juice or other drink, crushed ice, four table spoons of table salt, two resealable bags one bigger than other, pair of gloves

Periscope p. 86-7, two juice/milk cartons, scissors, tape, protractor, pencil, two craft mirrors, decorations :)

Tap Out A Tune p. 94-5, 8 identical bottles, spoon, food coloring for fun - filled with different levels of water and play music!

Charm a Paper Snake (static electricity) p. 98, tissue paper, scissors, foil dish and pen

Chasing the Light (how plants grow in curves up to find the light source - maybe in alcove windows? if could let people know they were there...) p. 126, shoe box, cardboard, black paint, flowerpot, soil, runner bean seed and 1 week.

Split Color Flower p. 128, two glasses, food coloring, white flower with long stem

Unique says

I love this book because it teaches me science and some could be funny if you think about it
