

SCIENCE PROJECTS

Machines

Wendy Baker

CHILD 621.8 Bak

Practical, easy-to-make science projects for kids studying simple machines.

Physics

Bob Bonnet & Dan Keen

CHILD 530.078 Bon

The fascinating field of physics deals with the how and why of non-living objects – including so many that figure in kids’ every day lives. It covers what principles are at work when we ride a bicycle, why a balloon floats, and how a refrigerator keeps that bottle of soda nice and ice-cold!

The Kid’s Book of Weather Forecasting

Mark Breen & Kathleen Friestad

CHILD 551.63 Bre

Readers are encouraged to use their powers of observation and some homemade equipment to become weather forecasters. Directions for making related tools from easy-to-find materials appear throughout the text, and include a barometer, a weather-observation log, a wind vane, a Beaufort Scale and a hygrometer. The authors explain how to convert temperatures from Celsius to Fahrenheit and how to predict the temperature by counting cricket chirps.

Experiment with Plants

Monica Byles

CHILD 581 Byl

Presents basic information on plants and simple experiments that demonstrate some of their characteristics.

You Gotta Try This!: Absolutely Irresistible Science

Vicki Cobb & Kathy Darling

CHILD 507.8 Cob

A collection of science experiments and activities, arranged in such categories as “Physical Attractions”, “Curious Chemistry” and “Freaky Fluids”.

Kitchen Chemistry: Science Experiments to Do At Home

Robert Gardner

CHILD 542 Gar

Lots of experiments to do at home and especially in the kitchen.

Gizmos and Gadgets: Creating Science Contraptions That Work (& Knowing Why)

Jill Frankel Hauser

CHILD 500 Hau

Provides instructions for making 75 contraptions that demonstrate friction, gravity, energy, motion, and other principles of physics and explains how to think like an inventor.

The Jumbo Book of Nature Science

Pamela Hickman

CHILD 508 Hic

A book about birds, bugs, and plants with over 100 activities and experiments for kids.

Silly Science: Strange and Startling Projects to Amaze Your Family and Friends

Shar Levine and Leslie Johnstone

CHILD 507.8 Lev

Tons of fun and weird experiments to practice at home – perfect for any budding scientist.

Experiment With Air

Bryan Murphy

CHILD 533.6 Mur

Through making such things as model parachutes and hot-air balloons, children learn air currents, flight, seed dispersal, and streamlining.

Great Science Fair Projects

Marc Rosner

CHILD 507.8 Ros

Have you ever wished that you could observe underwater creatures undetected? Or watch the very moment a caterpillar becomes a butterfly? Or create your own rain? Enter the fascinating world of Scientific American – the ultimate science authority – and learn how to build an underwater periscope, photograph a lunar eclipse, grow hydroponic plants, and much, much more!

The Kid's Wildlife Book

Warner Shedd

CHILD 591 She

Featuring the common mammals, amphibians, and birds of the United States and Canada. Information about each creature is presented in categories with headings such as: "Home Sweet Home" (dwellings), "What's for dinner?" (diet), "Let's Talk" (animal sounds), and "Family Life" (procreation). There is also an occasional Native American legend and suggested activities are included.

Science Fair Success using Household Products

Salvatore Tocci

CHILD 507.8 Toc

A useful jumping off place for science explorations using readily available household products, including toothpaste, shampoo, soap, hand lotion, sun block, detergent, aspirin, and orange juice.

Janice VanCleave's 204 Sticky, Gloppy, Wacky, and Wonderful Experiments

Janice VanCleave

CHILD 507.8 Van

Hours and hours of hands-on, low-cost scientific fun.

Janice VanCleave's A+ Projects in Chemistry

Janice VanCleave

CHILD 540.78 Van

Are you having a hard time coming up with a good idea for the science fair? Do you want to earn extra credit in your chemistry class? Or do you just want to know how the world really works? This step-by-step guide explores 30 different topics and offers dozens of experiment ideas. Here are just a few of the topics you'll be investigating: acid/base reactions, polymers, crystals, and electrolytes.

Janice VanCleave's Science around the Year

Janice VanCleave

CHILD 507.8 Van

Presents experiments and activities in such fields as astronomy, biology, chemistry, earth science, and physics that are in some way related to one of the four seasons.

The Little Science Encyclopedia

Angela Wilkes

CHILD 503 Wil

Science can be fun! The Little Science Encyclopedia takes a child-friendly, hands-on approach by including simple experiments which help make complex scientific principles clear to young children. Ranging from atoms and the human body to x-rays and zoology, this book is a comprehensive first introduction to basic science.

Electricity and Magnetism Fundamentals

Robert W. Wood

CHILD 537 Woo

Filled with over 25 science activities that kids can do using materials from around the house. Some of the projects include building a motor, creating a lemon battery, and making a compass. Each activity concludes with a "Guess what?" statement geared to make the young scientist think about the relevance to everyday life.

Mechanics Fundamentals: Funtastic Science Activities for Kids

Robert W. Wood

CHILD 531.078 Woo

Provides instructions for a variety of experiments to study the effects of forces on bodies or fluids at rest or in motion.



121 West 14th Street
North Vancouver, BC V7M 1P2
Phone: 604-998-3480
Website: www.nvcl.ca

May 2006