

## Kits

### Air and water in the environment

37814 KT

P 2017 Scholastic

In this kit, students develop their understanding of air and water in the environment through a variety of explorations and investigations. Multiple components will engage students and support learning of the specific science concepts.

Air; Conservation of natural resources; Environmental protection; Meteorology; Rain; Science; Water cycle; Winds

### AlphaWorld

#### Magnets [6 books]

37124 KT

P 20 pce 2005 Scholastic

Written by Hannah Reed

#### Animal x-ray light box kit

35369 KT

PIJS Spectrum

Portable table top light box with pictures and real x-rays of the inside of animals, insect x-rays and picture cards, and shell x-rays and picture cards.

Animals; Colour; Life science; Light; Physical science; Science; Skeleton

#### Batteries and bulbs

15082 KT

I 1980 School District #73, Kamloops/Thomp

This kit provides an introductory study of electricity and magnetism. (537)

Applied design, skills and technologies; Chemistry; Electricity-Experiments; Magnetism-Experiments; Maker spaces

#### BC Minerals kit

39211 KT

PIJ

This kit allows for small groups of students to compare and contrast mineral samples, and teaches classification using the most common minerals found in BC.

Earth science; Geology-British Columbia; Minerals; Rocks; Science; Social Studies

#### Book plus

*For descriptions see individual titles:*  
Rock cycle [16169]

#### Box of Bones

40279 KT

PIJS 2021

Ideal for hands-on study of individual bones and skeletons, and understanding of how structure relates to function in vertebrate anatomy. Properly cleaned and prepared, each Box of Bones set provides most major bones from individual organisms, packaged and divided for students to engage with the material and explore relationships between structures. Contains sufficient bone types for students to build 2 house cats, 3 minks and 5 rabbits. They can compare structures between organisms upon completion.

Biology; Science

#### Chem cubes

38739 KT

IJS

Chem Cubes is a class set of many different dice games, to help students understand the elements, ions and chemical bonds, at their level of understanding.

Atoms; Chemical elements; Chemistry; Matter; Molecules; Periodic law-Tables; Science

#### Dichotomous key kit

38765 KT

JS

The Easy Tree Key is an interactive instructional tool designed to help students understand taxonomy and binomial nomenclature (genus, species, e.g. Homo sapien). Students will learn to appreciate biodiversity, and learn specific anatomical terminology as it pertains to local trees and shrubs. Binder 1 : 81 specimen cards of local trees and shrubs, including images of the leaf and descriptors of the plant structures. Binder 2 : Easy Tree Key including student handout, answer key, a glossary of terms and key for identifying trees.

Biodiversity; Forest ecology; Science; Shrubs; Trees; Trees-Ecology; Trees-Identification

#### Early connections

*For descriptions see individual titles:*  
Magnets [6 copies] [29613]

#### Exploring our solar system

38654 KT

IJS

This kit explores the solar system through a number of books and resources. "Exploring our Solar System" DVD - Embark on a journey which takes students from planet Earth to the outer fringes of our solar system. With the aid of cameras from various spacecraft, students get a close-up look at the planets in our solar system, from Mercury's cratered surface to Jupiter's huge red spot and Saturn's spectacular rings. Discover the mysteries and surprises of our solar system, our celestial home. 1

Orbiter - This is a device demonstrating relative relationships of earth and moon to the sun and the pattern of eclipses. 1 Giant Magnetic Solar System includes 12 jumbo, colourful magnets of the solar system for use on whiteboards.

Astronautics; Astronomy; Big bang; Earth; Interplanetary voyages; Moon; Outer space-Exploration; Planets; Science; Solar system; Space flight; Sun; Universe

#### Force and motion kit

36794 KT

PI

How do objects move? Use this resource kit to help develop an understanding of the various types of force & motion, to broaden knowledge & develop skills including inquiry.

Applied design, skills and technologies; Inquiry; Motion; Movement; Science

#### Force and motion : the hands-on exhibit you can build at home!

25999 KT

PI 1998 Learning Resources

Students learn about friction, gravity, momentum and other effects of force by building loop-the-loops, a button spinner, marble catchers and more. (531)

Applied design, skills and technologies; Force and energy-Experiments; Physics; Science

#### Fossil collection 1

38848 KT

PIJS

An assortment of fossils with picture guide.

Earth science; Fossils; Paleontology; Rocks; Science

#### Fossil kit

36225 KT

PIJ

Kids are fascinated by fossils! Now, using this kit, they can create their own inexpensive paper casts of 12 different fossils, decorate them with markers, and then use the reference guide to determine which animal the fossil represents and learn interesting facts about it. Fossils give us a great deal of information about an animal: what it looked like, when and where it lived, when or if it became extinct, and adaptations for survival. Watch the video and discover the relationship between dinosaurs and birds and find out that rhinoceroses once lived in Nebraska. Erosion can make slow, almost invisible modifications, or sudden drastic alterations of the landscape. Either way, the forces of erosion are always at work giving the earth a facelift.

Earth science; Fossils; Rocks; Science-Study and teaching

## Kits

### Go Facts Space

For descriptions see individual titles:  
The Planets [6 books] [30665]

### Happy atoms

38740 KT

IJS

Happy Atoms is a class set of atom models, representing the first 16 elements in the periodic table. Students can download the corresponding app, and learn about the molecules they build.

Atomic theory; Atoms; Chemistry; Electrons; Elements; Matter; Molecules; Periodic law; Physical chemistry; Science

### Hominid skull investigation kit

38810 KT

IJS

You will be provided with scale drawings of actual hominid skulls, to describe, measure and compare skulls over the course of evolutionary history.

Anthropology; Biodiversity; Biology; Evolution; Paleontology; Prehistoric peoples; Social Studies; Taxonomy; Early man

### Hydropower kit

38814 KT

IJ

Explore the power of water by building models and conducting experiments. Build a waterwheel, a sawmill, or a hammer mill and learn about this renewable resource. BIG IDEAS: Energy can be transformed (Gr. 4) - Machines are devices that transfer forces and energy (Gr. 5) - Sustainability (Gr. 9)

Electricity; Energy; Energy resources; Hydropower; Renewable energy resources; Science; Turbine; Water power; Water wheel

### Inquizitive - Green

For descriptions see individual titles:  
Rock hunters [15 books] [30678]

### Introduction to electricity

36693 KT

IJ

M. Hughes

This kit offers background information to the teacher together with tasks and experiments for children presented in a clear and simple way.

Applied design, skills and technologies; Electricity; Energy; Maker spaces; Science

### Life cycles of living things

36918 KT

P

Resources support student inquiry of life cycles of living things.

Animals; Inquiry; Life cycles; Living things; Plants

### Little bits circuit kit

36781 KT

PIJ

The littleBits Premium Kit is a perfect kit for makers of all ages. This kit was designed for those that crave creativity and includes everything you need to start designing and prototyping your own inventions, including a 9V battery, a custom made screwdriver for fine-tuning, a vibeSnap to attach your vibration motor and an attractive, re-usable case. This Kit also comes with a project booklet that provides easy-to-follow instructions for 10 amazing projects, including the Playful Pet and an update on the classic Piggy Bank. The Premium Kit is a sure-fire way to keep the creativity flowing. Get started with some of favorite modules, like fan and vibration motor.

Applied design, skills and technologies; Electric circuits; Electricity-Experiments; Electronics; Energy; Inquiry-based learning; Physics; Science

### Magnets [6 copies]

29613 KT

P 16 pce 1999 Benchmark Education

written by Margie Burton, Cathy French, and Tammy Jones.

*Early connections Series*

### Magnets: First experiments set

36893 KT

P

Shaw Magnets

Children of 8 years and up can safely and easily experiments with electric current and magnetic fields using the components in this hands-on kit.

Applied design, skills and technologies; Energy; Magnets; Science

### \* Microscope Slides : Lung

42345 KT

IJS

2024

This Kit contains slides of cancerous and non-cancerous cells. These slides help to compare the two types such as a healthy lung and a lung with Adenocarcinoma.

Human body; Life science; Science-Study and teaching; Lungs; Physical science; Lung-diseases; Science; Lung cancer

### Motion, forces and simple machines

36859 KT

PI

Hand on activity ideas and resources for young people dealing with levers, pulleys, inclined planes, wheels and axles and other simple machines.

Supports primary curriculum content: effects of pushes/pulls on movement and forces.

Inquiry; Motion; Movement; Science

### Periodic puzzles

38741 KT

JS

SI Manufacturing

Teach the periodic table with this versatile puzzle allowing students to manipulate pieces to better understand elements. The board is metal to allow the magnetic puzzle pieces to stick to the surface.

Atoms; Chemical elements; Chemistry; Matter; Molecules; Periodic law; Periodic law-Tables; Physical chemistry; Science

### The Planets [6 books]

30665 KT

P 16 pce 2004 Scholastic Canada Maureen O'Keefe.

*Go Facts Space Series - Grade 1-2.*

Guided reading; Reading; Reading materials; Planets; Space; Easy reading materials; Solar system

### Pollinator diversity kit

38743 KT

PIJS

This kit will give you the specimens and information necessary to dig into local pollinator diversity with your students, and look at ways to help these important species.

Agriculture-Environmental aspects; Bees; Biodiversity; Biology; Ecosystems; Environmental sciences; Fertilization of plants; Food supply; Pesticides-Environmental aspects; Science; Sustainable agriculture

### Pollinator diversity kit (ethanol vials)

39992 KT

PIJS

Pollinator species are declining, which has a significant negative impact on our global food supply. Climate change, pesticides and urban development are largely to blame for the decline of insect biodiversity in Canada. Did you know that in BC there are more than 500 species of native bee! Unfortunately, students and most adults alike are naive towards how beautiful, important and interesting their lifestyle and colonies are. This kit will give you the specimens and information necessary to dig into local pollinator diversity with your students, and the enrichment potential to look at how we can help these important creatures.

Agriculture-Environmental aspects; Bees; Biodiversity; Biology; Ecosystems; Environmental sciences; Fertilization of plants; Food supply; Land use-Environmental aspects; Pesticides-Environmental aspects; Science; Sustainable agriculture; Taxonomy

## Kits

### Rock cycle

16169 KT

PI 2001 SI Manufacturing

*Book plus Series* - This colourful teaching model of the rock cycle is designed specifically for hands-on use. Removeable pieces stimulate problem solving skills while teaching students core science concepts : rock cycle, volcanic cycle and how igneous, sedimentary, and metamorphic rocks are formed. (552)

Earth science; Rock cycle—Study and teaching; Rocks—Origins; Volcanoes

### Rock cycle set

39674 KT

IJS

Explore and understand the difference between igneous, sedimentary and metamorphic rocks, and consider their differences in light of how they were formed in the rock cycle.

Earth science; Geology; Igneous rocks; Metamorphic rocks; Petrology; Rocks; Rocks—Identification; Science; Sedimentary rocks

### Rock hunters [15 books]

30678 KT

P 24 pce 2003 Pearson Education Canada

Ian Douglas.

*Inquizitive - Green Series - Science.* Strategy focus: categorize information using a web.

Guided reading; Reading; Reading materials; Rocks; Easy reading materials; Minerals

### Rock rainbow set

39675 KT

PIJS

Explore the properties and diversity of rocks and minerals, including 27 of the most common minerals mined in BC as natural resources for our mining industry.

Earth science; Geology; Igneous rocks; Metamorphic rocks; Minerals; Petrology; Rock cycle—Study and teaching; Rocks; Rocks—Identification; Science; Sedimentary rocks

### Scientists in action

#### Chemists in action [8 books]

38402 KT

IJS 32 pce 2019 Crabtree Pub James Bow

Chemists study matter. The medicines we use, the chair you are sitting on, and the vehicles we drive are products that chemists helped produce. This compelling new book examines the many fields of work made possible because of chemistry.

Chemistry; Chemists; Chemists—Vocational guidance; Science; Vocational guidance

#### Food Scientists in action [8 books]

38401 KT

IJS 32 pce 2019 Crabtree Pub Robin Johnson

Food scientists apply their knowledge of chemistry, biology, and other sciences to the study and analysis of food. This compelling title explains how food scientists search for ways to improve the ways food is grown and prepared commercially for thousands of people.

Agriculture—Vocational guidance; Food industry; Food industry—Vocational guidance; Nutrition—Vocational guidance; Science; Vocational guidance

#### Simple machines [force & motion carts]

15878 KT

PI 2002 RM Industries

Includes display material, teaching notes and activities, assorted pulleys and 6 general purpose carts which may be used for force and motion studies. (531)

Force and energy—Experiments—Equipment and supplies; Motion—Experiments—Equipment and supplies; Science; Simple machines

#### Simple machines [wooden machines]

35403 KT

PIJS Crusader Educational

This simple machines kit consists of 11 wooden machines with guides. Included in the kit are the lever, the pulley, the screw, wheel and axle, the pendulum, the block and tackle, the gear, the incline plane, motion converter and the fulcrum balance.

Physics; Science; Simple machines

#### Skeletons : inside and out [8 books]

39960 KT

I 32 pce 2005 Pearson Education Canada

Claire Daniel

Although you can't see your skeleton, it is a very important part of your body. Humans and many other animals have skeletons. Some animals even have a skeleton on the outside of their bodies.

Bones; Human body; Inquiry-based learning; Science; Skeleton; Human anatomy

#### Soil and worm kit

37877 KT

PI

This kit introduces primary students to a variety of topics related to soil and worms including seeds, composting, different types of soil, habitats, worm farming, soil erosion and more.

Compost; Compost animals; Earthworms; Ecology; Gardening; Habitat (Ecology); Insects; Invertebrates; Plants; Science; Seeds; Soil ecology; Soil erosion; Soils

#### Sun kit

36247 KT

PI

Students can explore literacy and science concepts with this cross curricular kit about our sun. Includes picture books, legends, solar system objects and models!

Science; Solar system; Space science; Sun

#### Tree ring kit

39985 KT

PI

Reflecting on the Core Competencies through Science and stories this kit focuses on tree rings. Includes assorted tree rings and books.

Core competencies; Science; Trees; Trees—Growth; Trees—Life cycles