

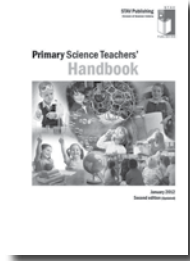
# Primary science resources

## Catalogue

### Primary Science Teachers' Handbook

This handbook contains practical ideas compiled from articles written by experienced teachers of primary science. It is a useful guide for those looking for different ways of approaching science in the primary classroom. Contents include:

- Science in the literacy block
- Inquiry-based learning
- Problem-based learning
- Scientific method
- Integrating ICT with primary science
- Getting involved with your professional association
- Science competitions and events
- Extending science beyond the classroom
- Resources lists



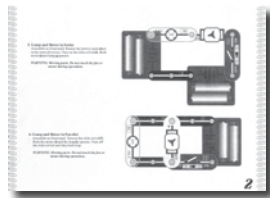
Members/subscribers **\$22.00**

Non-members **\$33.00**

### Electronics kit: The Brainbox 188

**The fun way to learn the basic concepts of electricity and electronics**

All components have snap fasteners which make assembly very easy and quick. Components are colour and number coded so that young children (and adults!) can easily follow construction diagrams.



The instruction booklet is easy to follow and has 188 ideas for constructing different circuits on a base board. The circuits can be activated by magnet, water, light, touch or sound and produce different kinds of reactions such as flashing bulbs, motorized fans, flying discs and various sound effects. Examples include a water activated doorbell, sound activated doorbell, magnetically activated motors, and electric fan.

**Sample classroom activities** are included.

**Spare parts are available.** Contact STAV Publishing for a price list.

Members/subscribers ~~\$38.00~~ **Currently \$30.40**

Non-members ~~\$45.00~~ **Currently \$36.00**

### Finding dinosaurs: Young Scientists at Work

Finding Dinosaurs introduces middle and upper primary students to the latest understanding of dinosaurs and other Mesozoic life.

The book is divided into 18 topics, each posed as a question for students to explore. Finding Dinosaurs encourages students to 'become scientists' – ask questions, propose and test theories, design experiments and discover for themselves the latest ideas about dinosaurs.

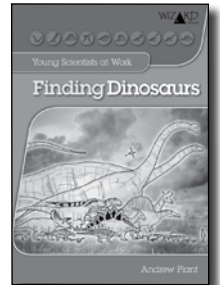
Author: Andrew Plant

Publisher: Curriculum Corporation

Description: 80 pp book

Members/subscribers **\$31.95**

Non-members **\$34.95**

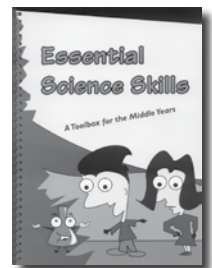


### Essential Science Skills

**A toolbox for the middle years**

*Essential science skills* is a 126-page black line masters book for use with years 5 – 7.

Developing science skills and knowing how to apply them is an essential part of learning about science. Science skills such as communicate, investigate, use ICT, use scientific knowledge and many more are presented as student handout sheets. These are complemented with classroom strategies for use by the teacher and student skill builder worksheets – ready for photocopying and instant use. Student skill builders provide usable examples of how the classroom strategies can be implemented; they demonstrate how to explicitly teach the strategies and provide students with many opportunities to use them. A series of matrices show links with VELS and how the skills and classroom strategies are linked.



Members/subscribers **\$44.90**

Non-members **\$46.90**

**STAV Publishing**

Division of Science Victoria

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## Discovering Science: Instant Lessons

Discovering Science is a series of six blackline master books designed to support teachers of primary science. The activities are ideally suited to teachers with a non-science background or who are inexperienced in teaching science. Each topic and activity has comprehensive supporting notes for the teacher, detailed equipment lists, step by step instructions and safety advice. The activities introduce students to a broad range of basic science concepts. They are fun, practical and encourage active involvement.

### Lower Primary

**\$29.95 per book** Member/subscriber  
**\$32.95 per book** Non-members

#### Book 1

On the rocks  
Sowing seeds for the future  
Slip, soaring away (force & motion)  
Over water & under stone  
Growing pains  
Day & night  
My lunchbox



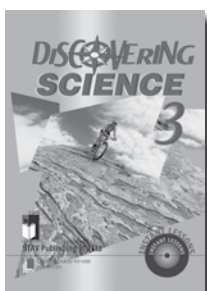
#### Book 2

What fine threads you have there  
Amazing air  
Do the push, pull & twist  
Splashing around  
Mini Beast mania  
Kitchen Chemistry  
Waste not, Want not



#### Book 3

Fun with paper  
Handy  
Magnetic tricks  
Balancing act  
Soils, soils, soils  
Get off the grass  
Warm and windy



### Upper Primary

**\$29.95 per book** Member/subscriber  
**\$32.95 per book** Non-members

#### Book 4

Fine feathery friends  
When is a worm not a worm?  
The wise buyer strikes again!  
Here one moment, where the next?  
Waste reduction through recycling  
Sounding off!  
Our solar provider



#### Book 5

The human digestive system  
Exploring sound  
Square metre project  
Greenhouse effect and global warming  
Electro-magnetism  
Sorting soil  
Crystals  
Worn by water



#### Book 6

Eat me, drink me  
Stories from the earth  
The great survivors  
Paper: where would we be without it?  
Electricity, you light up my life  
What's missing?



## Illuminated pocket microscope

A small, portable microscope that is ideal for young children, adolescents and adults to investigate a multitude of items including clothing fibres, plants, insects or any other scientific specimen. There is no need for small extracted samples – simply remove the slide tray, walk around the room and place the viewfinder above the item you wish to view.

The microscopes are small (14cm x 4.5cm), light (80 grams) and easy to grip, maneuver and adjust.

The light source is strong.

These small but powerful instruments are ideal for in the classroom, outside in the school yard, or for taking on excursions and fieldwork. They are fully portable and no bench or table is necessary for resting on.

### Features

- Zoom switch – adjusts magnification power (60x - 80x - 100x)
- Direct light source to specimen
- Removable slide tray
- Focus wheel.

The light operates from two AA batteries (not included).

**Sample classroom activities** are included.

Members/subscribers **\$25.00**

Non-members **\$30.00**

10% Discount for 5+ items.



## Science: Hands-on projects

Science: Hands-on projects uses model-making and art activities to foster an understanding of underlying scientific theories and concepts among middle and upper primary students. Visual and kinesthetic learners, particularly, benefit from the design-make-appraise learning approach. The activities will complement studies in matter, energy and force, living things, and Earth and space. A brief explanation of the topic and teaching and learning opportunities provide the teacher with starting points. The student activity pages consist of some background information, a list of materials, step-by-step instructions, questions for independent student discussion and photocopiable templates. Science: Hands-on projects is packed with creative and enjoyable tasks which focus learning and allow students to observe scientific principles in action.

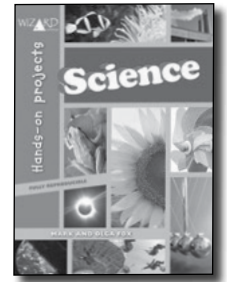
Author: Mark Fox and Olga Fox

Publisher: Curriculum Corporation

Description: 64 pp book

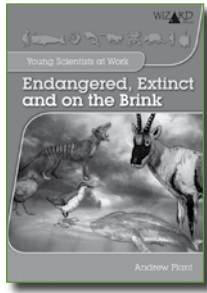
Members/subscribers **\$31.95**

Non-members **\$34.95**



## Endangered, Extinct and on the Brink: Young Scientists at Work

Evolution and extinction are a natural fact of life. The extraordinary diversity of life on our planet could not exist without them, and individual species are constantly evolving or becoming extinct. But are we on the brink of something more serious? Many scientists believe we are at the beginning of a new mass extinction and this time the cause isn't natural – it's us.



Endangered, Extinct and on the Brink introduces middle and upper primary students to the great problems facing our environment today by examining extinction events through time.

Fifteen topics are covered, and each topic includes:

- a reproducible student fact file with background information and illustrations to engage students
- a teacher information sheet covering key concepts, cross-curricular links and a materials list plus instructions for guiding students through the activity
- a reproducible student activity sheet with creative and fun investigations that will allow students to explore and explain the central concept, and then elaborate and evaluate their learning.

Author: Andrew Plant

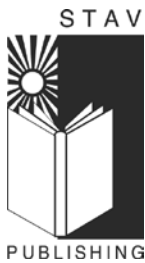
Publisher: Curriculum Corporation

Description: 72 pp book

Members/subscribers **\$31.95**

Non-members **\$34.95**

For contents list and sample pages from these books go to [www.stav.org.au](http://www.stav.org.au) and click on **Publications and Resources**



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