Science for Children

Science for Children introduces readers to the pedagogy of primary and early childhood science education. It presents a wealth of science content across the birth-to-12-years continuum, demonstrating how science can come alive in the classroom.

The book pays special attention to the three strands of science, in accordance with the Australian Curriculum. It also uses the practice principles and learning outcomes of the national Early Years Learning Framework to present content for babies through to the transition into the Foundation year at school.

Science for Children explores various approaches to teaching and learning in science. It covers inquiry approaches in detail; makes explicit links to the 5Es; critiques longstanding approaches, such as discovery approaches and a transmission approach; and explores Indigenous perspectives and a Vygotskian framework. This allows the reader to make informed choices about when to use a particular approach in primary classrooms and early childhood settings.

Designed to prepare future educators for practice, *Science for Children* challenges students and offers practical classroom-based strategies for their science teaching careers.

Science for Children includes a single-use six-month subscription to *Cambridge Dynamic Science*, providing access to interactive content to support complex science topics. Additional resources for instructors are available online at www.cambridge.edu.au/academic/science.

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Please be aware that this publication may contain several variations of Aboriginal and Torres Strait Islander terms and spellings; no disrespect is intended. Please note that the terms 'Indigenous Australians' and 'Aboriginal and Torres Strait Islander peoples' may be used interchangeably in this publication.

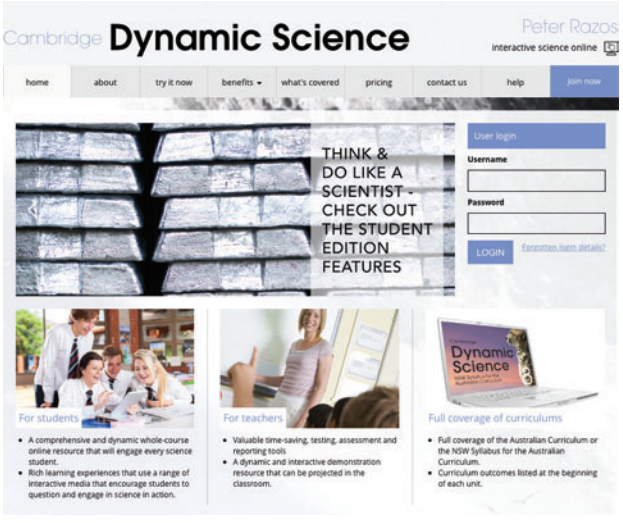
Contents

Science for Children and *Cambridge Dynamic Science*

Cambridge Dynamic Science harnesses the power of interactive digital technology to deliver a comprehensive online resource for teaching and learning in the science classroom.

Purchasers of *Science for Children* are provided with a single-use, 6-month subscription to *Cambridge Dynamic Science*, which contains interactive content to support complex science topics. Your unique access code is printed on the inside front cover (ebook purchasers should follow the instructions provided on page ii).

Relevant interactive activities are identified throughout the book with this icon. The relevant Year, Module and Units are listed with the icons.



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