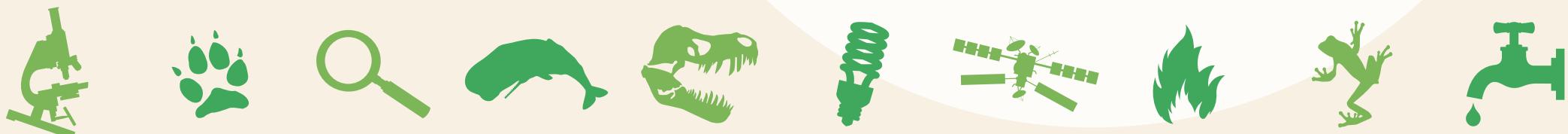


# Discovering Science

Implement the Australian Curriculum:  
Science F–6 with ease



Discovering Science builds on the popular and award winning Discovering History series.



# Contents

Discovering Science: about the series	1
Teacher Resource Books	2
Student Topic Books	4
Lower Primary books by topic	6
Middle Primary books by topic	7
Upper Primary books by topic	8



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# Discovering Science

## About the series

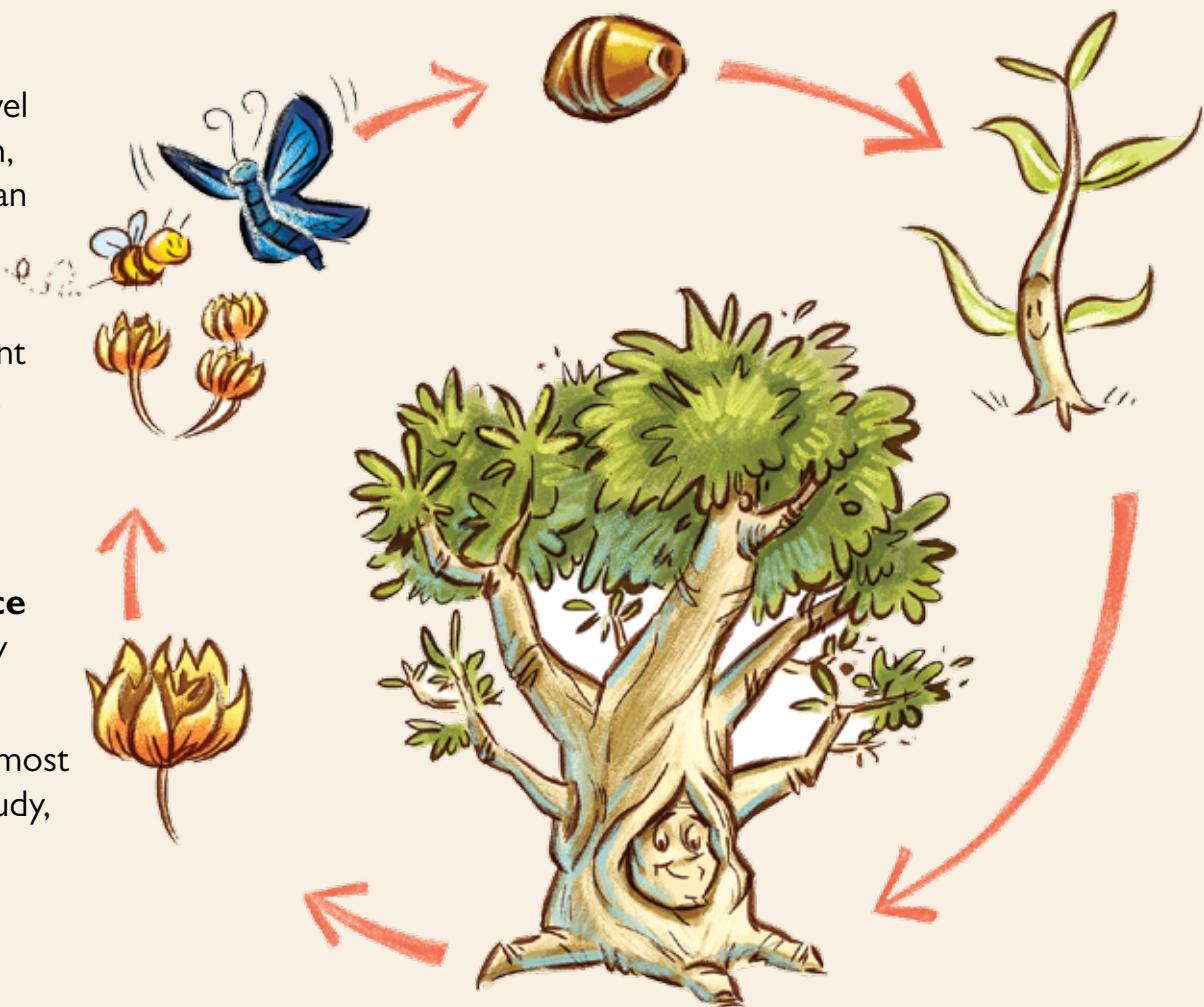
**Discovering Science** is a comprehensive, three-level teacher resource that assists with the implementation, lesson planning and on-going teaching of the Australian Curriculum: Science.

**Discovering Science** provides you with clear methodology, pedagogy and professional development that will inspire creative and engaging science lessons.

### How do you get the most out of science lessons?

With the **Discovering Science Teacher Resource Books**, you can begin teaching science in the primary classroom with complete confidence.

**Student Topic Books** are the best way to get the most out of your students. By encouraging independent study, they allow for a deeper understanding of the topics.



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# Discovering Science

## Teacher Resource Books

How do you ensure you're teaching to the Australian Curriculum: Science?

All you need to start teaching lessons fully aligned to the Australian Curriculum is the **Discovering Science Teachers Resource Books** for **Lower** (F-2), **Middle** (3-4) or **Upper Primary** (5-6).

### Teacher Resource books contain:

- content to engage your class including: lesson plans, topics of discussion, activities and more.
- a pack of laminated Topic Starter cards that complement topics and are designed to illicit discussion and add some interesting visuals to your lessons.
- online content which includes Topic Starter cards for IWB's, and activities for students.

### Teacher Resource Packs contain:

- All the same resources as the Teacher Resource Book including laminated topic starter picture cards and online content.
- Plus - One of each of the Student Topic Books for Lower Primary, Middle Primary or Upper Primary.

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Lower Primary



Middle Primary



Upper Primary



Back to contents

2

# Discovering Science

## Teacher Resource Books

**Discovering Science** provides you with clear pedagogy, linked with teaching and learning activities, that will inspire you to develop creative lessons to engage your students.

## Key Features & Benefits

- Provides pedagogy for teaching science.
  - A set of laminated picture/activity cards for hands-on-use as topic starters for group discussion.
  - Provides ample avenues for combining Science and Literacy.
  - Contains Australian Curriculum links.
  - Australian Curriculum summaries.
  - Learning activities.
  - Access to online content.

**Sample pages are available online for Lower, Middle and Upper Primary Teachers Resource Books**



# Discovering Science

## Student Topic Books

The Student Topics books are supplementary resources that allow students to extend their knowledge of the subject matter through independent research.

Student Topic books are aligned with the topics in the Lower, Middle and Upper Teacher Resource Books.



The plants in the park also need food and water.  
Plants get water when it rains.



11



12

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4

# Discovering Science

## Student Topic Books

The engaging Student Topic Books provoke curiosity and make science accessible to the learner through a range of nonfiction and fiction books, as well as comic books for middle and upper primary levels.

**There are 3 different kinds of Student Topic Books:**

**Fiction Books:** Full colour books with age-appropriate illustrations, layout and text. Each book investigates a single descriptor in an entertaining story that scaffolds the concept, while glossaries help learners with scientific literacy.

**Nonfiction Topic Books:** Full colour books with engaging photographs provide visual support to key concepts and ideas, and glossaries help learners with scientific literacy.

**Comic Books:** For middle and upper levels Discovering Science has full-colour 20 page comic books with quirky, imaginative and engaging illustrations, helping to motivate learners. The comic book characters bring science to life and help scaffold learners' understanding of key science concepts.



# Discovering Science

## Lower Primary Student Topic Books by series

For information about what a particular title contains, click the book titles or image below.

	<b>Student Topic Book titles</b>	<b>Australian Curriculum content descriptor</b>
<b>BIOLOGY</b>	<b>Living Things Around You</b>   9781486012886   <i>Nonfiction</i> What do you need to live and grow? What do animals and plants need? Explore this book for the answers to	<b>Foundation:</b> Living things have basic needs, including food and water (ACSSU002)
	<b>What Do Living Things Look Like?</b>   9781486020416   <i>Nonfiction</i> All living things look different. You look different to your friends. Animals look different to one another too. Why is that? Explore this book for the answer to this question and more	<b>Year 1:</b> Living things have a variety of external features (ACSSU017) <b>Year 1:</b> Living things live in different places where their needs are met (ACSSU211)
	<b>When Charlie Grows Up</b>   9781486012985   <i>Fiction</i> Charlie doesn't know what he wants to be when he grows up. Will he be a butterfly ... or perhaps a frog!	<b>Year 2:</b> Living things grow, change and have offspring similar to themselves (ACSSU030)
	<b>Magic Sam</b>   9781486020430   <i>Fiction</i> Sam is a magician. He can make anything CHANGE SHAPE. Well ... almost anything.	<b>Year 1:</b> Everyday materials can be physically changed in a variety of ways (ACSSU018)
	<b>Sam Sorts Things Out</b>   9781486012961   <i>Fiction</i> Sam loves to sort things. He sorts his toy cars. He sorts his clothes. He even sorts the shopping.	<b>Foundation:</b> Objects are made of materials that have observable properties (ACSSU003)
	<b>What are Things Made Of?</b>   9781486012909   <i>Nonfiction</i> How does your raincoat keep you dry? Find out the answer to this question and more in this book.	<b>Year 2:</b> Different materials can be combined, including by mixing, for a particular purpose (ACSSU031)
	<b>A Muddy Mystery</b>   9781486012992   <i>Fiction</i> Oh no the water in the class fish tank is MURKY and MUDDY! The poor fish! Help Emily and Tom find out why.	<b>Year 2:</b> Earth's resources, including water, are used in a variety of ways (ACSSU032)
	<b>Changes Around You</b>   9781486020423   <i>Nonfiction</i> The Earth changes around us all the time. It can change from day to night, or from one season to another. Explore this book to learn more about these changes	<b>Year 1:</b> Observable changes occur in the sky and landscape (ACSSU019)
	<b>The Weather</b>   9781486012893   <i>Nonfiction</i> The weather can change. Sometimes it is hot and sometimes it is cold. What can you wear to stay cool in summer and warm in winter? Explore this book for the answers to these and other questions.	<b>Foundation:</b> Daily and seasonal changes in our environment, including the weather, affect everyday life (ACSSU004)
	<b>Forces We Use Every Day</b>   9781486012916   <i>Nonfiction</i> How does a kite fly? How does a ball move? Explore this book to find the answers to these questions and more.	<b>Year 2:</b> A push or a pull affects how an object moves or changes shape (ACSSU033)
<b>CHEMISTRY</b>	<b>Little Rex and Big Buddy</b>   9781486012978   <i>Fiction</i> Ruby has two dogs – little Rex and big Buddy. Rex likes to jump and Buddy likes to run. Will Ruby find a toy for them that BOUNCES and ROLLS?	<b>Foundation:</b> The way objects move depends on a variety of factors, including their size and shape (ACSSU005)
<b>EARTH AND SPACE</b>	<b>Ruby's Big Band</b>   9781486020447   <i>Fiction</i> Ruby plays the recorder. She wants to start a BAND. But who will join her band, and what instrument will they play?	<b>Year 1:</b> Light and sound are produced by a range of sources and can be sensed (ACSSU020)
<b>PHYSICS</b>		



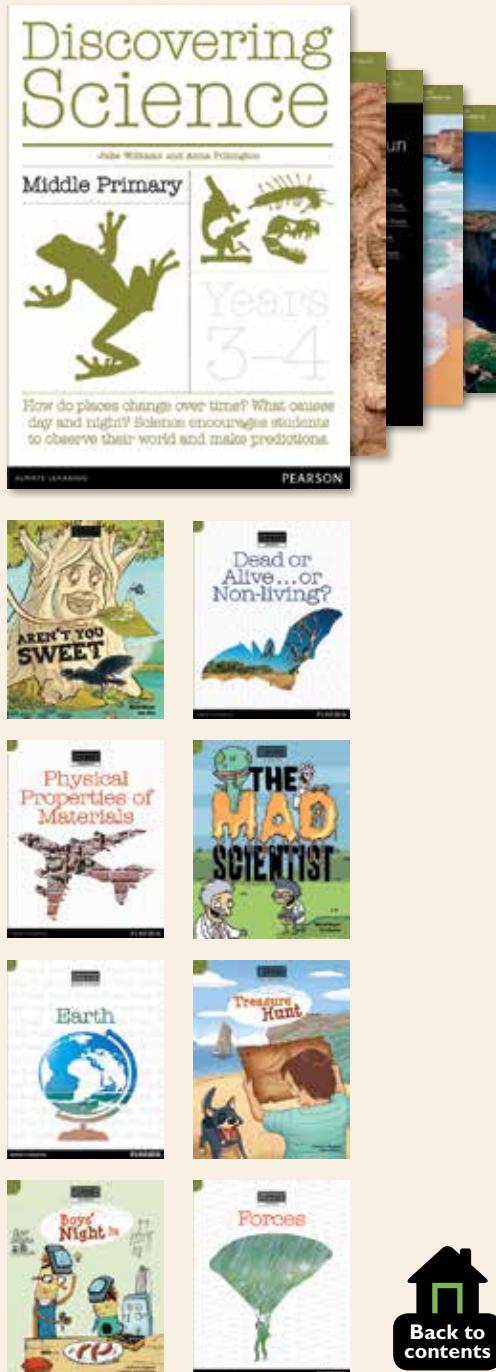
Back to contents

# Discovering Science

## Middle Primary Student Topic Books by series

For information about what a particular title contains, click the book title or image below.

	<b>Student Topic Book titles</b>	<b>Australian Curriculum content descriptor</b>
BIOLOGY	<b>Aren't You Sweet</b>   9781486013241   <i>Comic Book</i> Caterpillars that turn into butterflies ... tadpoles that become frogs ... birds that hatch from eggs. Do you know what a LIFE CYCLE is? Perhaps a talking tree can help!	<b>Year 4:</b> Living things have life cycles (ACSSU072)
	<b>Dead or Alive...or Non-Living</b>   9781486013166   <i>Nonfiction</i> Have you ever wondered how to tell if something is dead, alive ... or non-living? Explore this book to find out the answer to this and other questions.	<b>Year 3:</b> Living things can be grouped on the basis of observable features and can be distinguished from non-living things (ACSSU044)
CHEMISTRY	<b>Physical Properties of Materials</b>   9781486013135   <i>Nonfiction</i> Have you ever wondered why engineers build bridges from steel or what an aeroplane is made of that helps it fly? Explore this book for the answers to these questions and others.	<b>Year 4:</b> Natural and processed materials have a range of physical properties; These properties can influence their use (ACSSU074)
EARTH AND SPACE	<b>The Mad Scientist</b>   9781486013234   <i>Comic Book</i> Ben lives between a good scientist and a bad scientist. They are driving him a bit MAD as they heat and cool everything they can find! Who will have the last laugh?	<b>Year 3:</b> A change of state between solid and liquid can be caused by adding or removing heat (ACSSU046)
	<b>Earth</b>   9781486013159   <i>Nonfiction</i> Have you ever wondered why there is night and day, or why the Moon appears to change shape? Explore this book for the answers to these questions and others.	<b>Year 3:</b> Earth's rotation on its axis causes regular changes, including night and day (ACSSU048)
PHYSICS	<b>Treasure Hunt</b>   9781486013203   <i>Fiction</i> It's not every summer holiday you find an old map in the top drawer of your desk. Pete needs to understand how the Earth's surface has changed over time to be able to read the map and find the TREASURE! Who will be able to help him?	<b>Year 4:</b> Earth's surface changes over time as a result of natural processes and human activity (ACSSU075)
	<b>Boys' Night In</b>   9781486013197   <i>Fiction</i> Do you know how to cook sausages? It seems Jake's dad doesn't. But he does know a thing or two about creating HEAT ... perhaps too much heat!	<b>Year 3:</b> Heat can be produced in many ways and can move from one object to another (ACSSU049)
	<b>Forces</b>   9781486013142   <i>Nonfiction</i> Have you ever wondered why racing cars have rubber tyres? Explore this book for the answer to this question and others.	<b>Year 4:</b> Forces can be exerted by one object on another through direct contact or from a distance (ACSSU076)

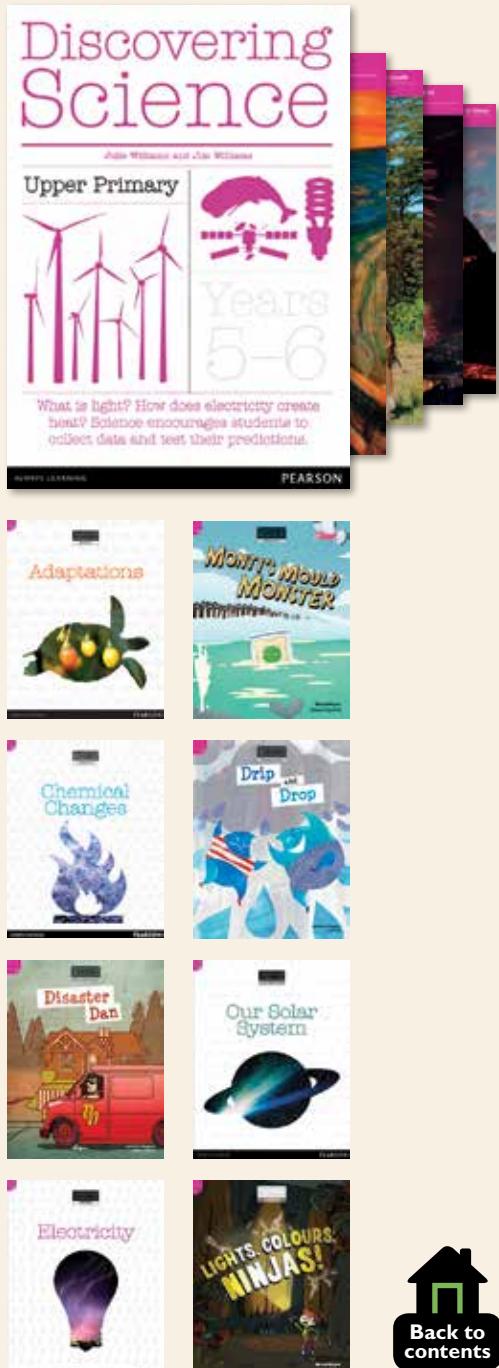


# Discovering Science

## Upper Primary Student Topic Books by series

For information about what a particular title contains, click the book title or image below.

	<b>Student Topic Book titles</b>	<b>Australian Curriculum content descriptor</b>
BIOLOGY	<p><b>Adaptations</b>   9781486013388   <i>Nonfiction</i>            Have you ever wondered why kangaroos have such big tails or why frogs can change colour? Explore this book for the answers to these and other questions.</p>	<p><b>Year 5:</b> Living things have structural features and adaptations that help them to survive in their environment (ACSSU043)</p>
	<p><b>Monti's Mould Monster</b>   9781486013517   <i>Comic Book</i>            What's in your schoolbag? In Monti's there is a sandwich, and it is going mouldy fast! When it falls on the road, who could guess it would end up catching a ride to Antarctica? But can Monti's Mould Monster SURVIVE in the freezing conditions? How will it get back to Turtle Heads, where the weather is hot and humid?</p>	<p><b>Year 6:</b> The growth and survival of living things are affected by the physical conditions of their environment (ACSSU094)</p>
CHEMISTRY	<p><b>Chemical Changes</b>   9781486013401   <i>Nonfiction</i>            Have you ever wondered why your bike rusts if you leave it outside in the rain? Explore this book to find the answer to this and other questions. Discovering Science helps you discover the world around you</p>	<p><b>Year 6:</b> Changes to materials can be reversible, such as melting, freezing, evaporating; or irreversible, such as burning and rusting (ACSSU095)</p>
EARTH AND SPACE	<p><b>Drip and Drop</b>   9781486013456   <i>Fiction</i>            Drip has had a whirlwind adventure. He has changed from a LIQUID to a SOLID and from a LIQUID to a GAS. Drip hates changing state, so it's no wonder he is in a bad mood! His friend Drop can laugh, but will it be his turn next?</p>	<p><b>Year 5:</b> Solids, liquids and gases have different observable properties and behave in different ways (ACSSU077)</p>
	<p><b>Disaster Dan</b>   9781486013463   <i>Fiction</i>            Rumble, rumble – can you hear the Earth grumble? Quick! Call Disaster Dan to rescue us all from the terror of an EARTHQUAKE!</p>	<p><b>Year 6:</b> Sudden geological changes or extreme weather conditions can affect Earth's surface (ACSSU096)</p>
PHYSICS	<p><b>Our Solar System</b>   9781486013494   <i>Nonfiction</i>            Have you ever wondered what makes up our solar system, and what astronauts see and do? Explore this book to find the answers to these and other questions</p>	<p><b>Year 5:</b> The Earth is part of a system of planets orbiting around a star (the sun) (ACSSU078)</p>
	<p><b>Electricity</b>   9781486013395   <i>Nonfiction</i>            Have you ever wondered where electricity comes from or why you see lightning in a storm? Explore this book to find the answers to these and other questions.</p>	<p><b>Year 6:</b> Energy from a variety of sources can be used to generate electricity (ACSSU219)            Electrical circuits provide a means of transferring and transforming electricity (ACSSU097)</p>
	<p><b>Lights, Colours, Ninjas!</b>   9781486013500   <i>Comic Book</i>            The night of Lina's birthday was looking a bit boring at her gran's house until they heard a strange noise outside. What could it be? Can Lina shine some LIGHT on the mystery in Gran's garden?</p>	<p><b>Year 5:</b> Light from a source forms shadows and can be absorbed, reflected and refracted (ACSSU080)</p>



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Australian Curriculum: Science



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