



These notes are designed so that you can use them as a guide for teaching or alternatively you can give them to a group of students who will then complete the reading and activities independently or with a partner.

Each set of notes has:

- An activity grid
- The science content and knowledge
- The science vocabulary in the glossary
- The answers to the quiz
- Questions for each chapter to guide reading

There is more than one way to read this book. Here are four examples. No one way is better than the another. You may also like to use the graphic organizers to help guide your reading.

- You can skim through the pages of the entire book, stopping at and studying the diagrams. Then check the glossary to clarify your understanding of any unknown science-related words. This will give you the background science information before you read the story. Then go back and read the story.
- You can read the blurb on the back cover, then jump straight into reading Chapter 1. Read the story as if there were no diagrams or bolded words at all. When you have finished, go back and study the diagrams and glossary words to add to your knowledge.

- You can do a combination of both the above. Read the back cover blurb to find out the storyline. Study the initial diagrams. Then read the book, stopping to consolidate your understanding of the science concepts. Check out the bolded words in the glossary if you are unsure of their meaning.
- You can read the book chapter by chapter, stopping and discussing the story and the science as you go.

When you have finished reading, take the test. You should get six out of six. If you aren't sure of an answer, follow the quiz clues at the end of the book.

Now do one or both of the activities. When you have finished these, complete the black line master activities.

<b>Book Title</b>	<b>Book Activity 1</b>	<b>Book Activity 2</b>	<b>Graphic Organiser 1</b>	<b>Graphic Organiser 2</b>	<b>Black Line Master 1</b>	<b>Black Line Master 2</b>	<b>Black Line Master 3</b>
<b>Cassandra's Clever Dad</b>	Values Honesty	Science Inquiry	Comprehension Literal	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Logical	Literacy Inquiry
<b>Bushfire</b>	Comprehension Inferential	Science Vocabulary	Literacy Vocabulary	Science Inquiry	Comprehension Literal	Multiple Intelligence Linguistic	Values Cooperation & Teamwork
<b>Magnets Malwinski</b>	Values Tolerance	Science Vocabulary	Comprehension Literal	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Linguistic	Comprehension Inferential
<b>Alexander Becomes and Astronaut</b>	Values Responsibility	Science Inquiry	Comprehension Literal	Science Inquiry	Science Vocabulary	Multiple Intelligence Linguistic	Comprehension Inferential
<b>Battered to Bits</b>	Comprehension Literal	Science Experiment	Literacy Vocabulary	Science Inquiry	Comprehension Inferential	Multiple Intelligence Logical	Values Respect
<b>The Devious Desert Racer</b>	Comprehension Inferential	Science Inquiry	Multiple Intelligence Logical	Science Inquiry	Literacy Vocabulary	Comprehension Inferential	Values Respect, Care, Integrity, Responsibility
<b>The Wild Ride</b>	Literacy Vocabulary	Science Inquiry	Comprehension Literal	Science Inquiry	Comprehension Literal	Multiple Intelligence Linguistic	Values Responsibility
<b>Day of Fire</b>	Comprehension Inferential	Science Inquiry	Comprehension Literal	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Linguistic	Values Priorities
<b>Isabella Remington – Basketball Star</b>	Comprehension Inferential	Science Experiment	Comprehension Literal	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Bodily Kinaesthetic	Values Doing Your Best
<b>Hurricane Tamer</b>	Comprehension Inferential	Science Numbers	Values Doing Your Best	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Musical	Comprehension Literal
<b>Trouble on the Track</b>	Literacy Vocabulary	Science Numbers	Comprehension Literal	Science Inquiry	Comprehension Inferential	Multiple Intelligence Naturalist	Values Relationships
<b>Beyond the Thicket</b>	Comprehension Literal	Science Inquiry	Comprehension Inferential	Science Inquiry	Science Vocabulary	Multiple Intelligence Visual Spatial	Values Compassion & Fair Go

# Bushfire

## Science Content and Knowledge:

Physical Science: Heat

Level: Middle

Genre: Action Adventure

Reading age: 9.5 years

## Science Vocabulary

bushfires	matter
conduction	napalm
convection	perspiration
embers	oxygen
Fire Triangle	radiant heat
fuel	solar energy
heat dispersal	thermal energy
infrared radiation	wavelength
insulation	

## Quiz Answers

*Question 1:*

Oxygen, fuel and heat

*Question 2:*

Transfer of thermal energy by the movement of heated gases and liquids. Heated air expands and rises. As heated air becomes cooler it falls.

*Question 3:*

Wood, plastic, and terracotta

*Question 4:*

Heat passes through glass like light, as it has a longer wavelength.

*Question 5:*

Different versions of the same type of energy.

*Question 6:*

Wind pushes hot air uphill

## Study Guide

Chapter 1 – A Bizarre Birthday Present

Chapter 1 introduces the main characters in the story and sets the scene for the story.

Read the chapter to find out who the

main characters are, what they do and their relationship with each other.

Chapter 2 – An Overheated Summer

Chapter 2 provides the main characters with a problem. Use the title of the chapter, the front cover illustration and the back cover blurb as clues to what you think might happen in this chapter. Read the chapter to see if you were right.

Chapter 3 – Where There's Smoke There's Fire

Chapter 3 places Tahlia and Rory in a dangerous situation. Given what you have already read, what do you think will happen to them?

Chapter 4 – Survival of the Smartest

As the title of the chapter suggests, Tahlia and Rory need to think cleverly to survive the fire. Using the visual literacy at the start of the book and the information from the previous chapters, predict if it is possible for them to survive the fire. If so, how could they?

Chapter 5 – Country Goodness

How do you think the story will end? Do you think Tahlia and Rory will want to remain living in the country after what has happened, or would they rather live in the city?

# Graphic Organizer 1– Literacy

## Bushfire

Name \_\_\_\_\_

- Vocabulary

Prefixes are groups of letters added to the front of a word.

For example:

dis – dishonest

un – unhappy

co – cooperate

As you read, locate words throughout the story that use the following prefixes.

Prefix	Word	Page
ex		
pre		
un		
over		
en		
tele		
kilo		
in		
re		



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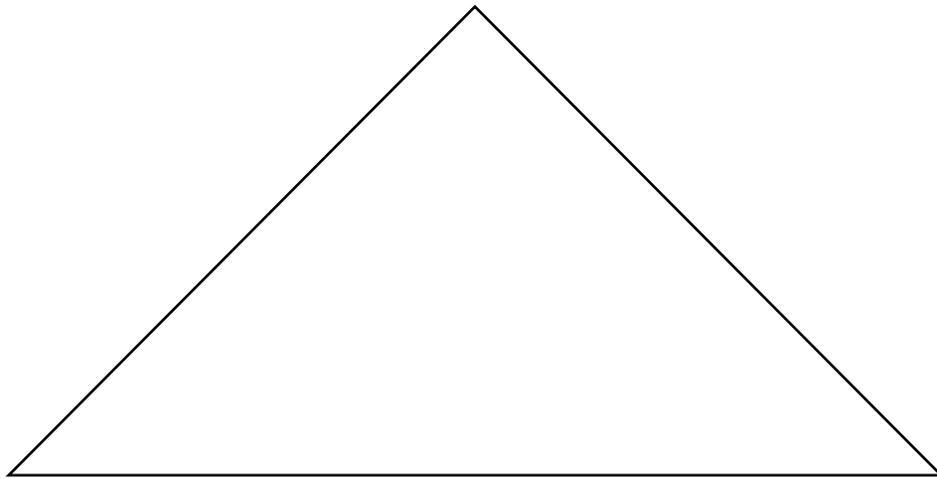
# Bushfire

Name \_\_\_\_\_

- Science Inquiry

As you read the story, you will learn about the fire triangle. Draw the fire triangle and label each part. Then explain each part as you find the information in the book.

The Fire Triangle



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## Bushfire

Name \_\_\_\_\_

- Linguistic Intelligence

Research an Australian bushfire. Find out who, when, where, what, why and how.

Once you have completed your research, write a short newspaper report about the bushfire.

What:

Where:

When:

Why:

Who:

How:

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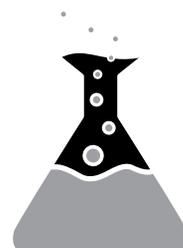
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# Bushfire

Name \_\_\_\_\_

- Teamwork and Cooperation

Teamwork helped Tahlia and Rory survive the bushfire. Answer the following teamwork questions.

What is teamwork?

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Think of a situation when you needed to work as a team.

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Make a list of the ways Tahlia and Rory worked as a team to survive the bushfire.

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