



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>The Funniest Ferret</b>	Literacy Vocabulary	Science Inquiry	Comprehension Literal	Science Inquiry	Comprehension Inferential	Multiple Intelligence Musical	Values Tolerance
<b>Sky Farmer</b>	Multiple Intelligence Linguistic	Science Experiment	Comprehension Literal	Science Inquiry	Science Vocabulary	Comprehension Inferential	Values Caring
<b>Net Navigator</b>	Comprehension Inferential	Science Experiment	Comprehension Literal	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Visual Spatial	Values Understanding
<b>Rumbling Beneath the Surface</b>	Comprehension Inferential	Science History	Comprehension Literal	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Intrapersonal	Values Care & Compassion
<b>Slimy Slug Planet</b>	Comprehension Inferential	Science Inquiry	Comprehension Literal	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Visual Spatial	Values Respect
<b>Revenge</b>	Comprehension Inferential	Science Experiment	Comprehension Literal	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Intrapersonal	Values Feelings
<b>Bad moon Rising</b>	Comprehension Literal	Science History	Comprehension Inferential	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Naturalist	Values Freedom
<b>T.C. Ami</b>	Comprehension Inferential	Science Numbers	Comprehension Literal	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Logic	Values Caring
<b>Against the Odds</b>	Comprehension Inferential	Science Inquiry	Comprehension Literal	Science Vocabulary	Literacy Vocabulary	Multiple Intelligence Bodily Kinesthetic	Values Doing Your Best
<b>Get Me Out of Here</b>	Comprehension Literal	Science Inquiry	Comprehension Inferential	Science Inquiry	Literacy Vocabulary	Multiple Intelligence Visual Spatial	Values Caring
<b>Jed and the Master Robot</b>	Comprehension Inferential	Science Experiment	Comprehension Literal	Science Inquiry	Science Vocabulary	Multiple Intelligence Interpersonal	Values Honesty
<b>The Useless Tree</b>	Comprehension Literal	Science Experiment	Comprehension Inferential	Science Inquiry	Science Vocabulary	Multiple Intelligence Logic	Values Fair Go Freedom & Responsibility

## Against the Odds

### Science Content and Knowledge:

Life Science: Human Body

**Level:** Lower

**Genre:** Fantasy

**Reading age:** 9.5 years

### Science Vocabulary

calories	intensity
endurance	metabolism
energy intake	muscles
energy output	nutrition
exercise	obese
fatigued	respiratory system
flexibility	stretching
fluids	training
heart rate	

### Quiz Answers

*Question 1:*

Muscular strength, muscular endurance, aerobic endurance

*Question 2:*

Becomes obese

*Question 3:*

Inside the wrist, the side of the neck

*Question 4:*

Cool down

*Question 5:*

Helps body recover and reduces injury

*Question 6:*

Fruit or muesli bars

### Study Guide

Chapter 1 – Yuba the Blubber

Read Chapter 1 to find out who the main characters are, what they look like and their relationship with each other.

Chapter 2 – Making a Splash

Chapter 2 provides Yuba with some problems.

Using the title of the chapter *Making a Splash* predict the problems Yuba encounters.

Chapter 3 – Medical Misadventure

What is a medical misadventure? What could happen to Yuba in a medical misadventure?

Chapter 4 – Robo Cop

After reading Chapter 1, 2 and 3 think about the people Yuba has meet. How have they treated him? How has he reacted to these people? What do you think someone called Robo Cop would be like? How do you think Robo Cop will treat Yuba?

Chapter 5 – Going for a Medal

How do you think the story will end? Think back to Chapter 1. What was Yuba's goal? Do you think he will achieve it?

# Graphic Organizer 1– Literacy

## Against the Odds

Name \_\_\_\_\_

- Comprehension – Literal

As you read the story, jot down what you learn about Yuba.

What he thinks of himself	
Who his family are and what they are like	
Who his friends are and what they are like	
How he deals with other people	
How he motivates himself	



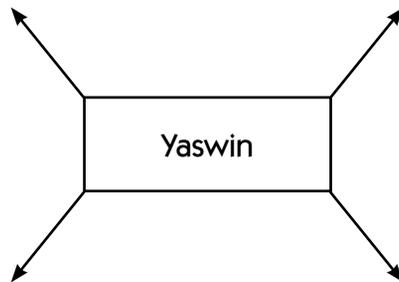


# Against the Odds

Name \_\_\_\_\_

- Vocabulary

Complete the mind map of Yaswin. Enter all the words from the book that describe Yaswin. Group the words on the mind map below.



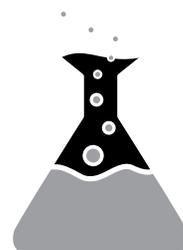
## Against the Odds

**Name** \_\_\_\_\_

- Bodily Kinaesthetic Intelligence

Plan and participate in an exercise programme for a week. Use the information from the Activity Pyramid on page 4 to help you. Remember to do a variety of training throughout the week. Do a warm-up and cool-down for every session.

Day	Activity
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	



# Against the Odds

Name \_\_\_\_\_

- Doing Your Best

Throughout the book, Yuba had many obstacles to overcome. Complete the cause and effect diagram, listing examples of how events influenced Yuba.

