



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

# Cassandra's Clever Dad

## Science Content and Knowledge:

Life Science: Polar Ecosystem

Level: Middle

Genre: Contemporary Fiction

Reading age: 9.5 years

## Science Vocabulary

adaptation	Gondwanaland
Antarctica	icefish
Antarctic cod	Inuit
antifreeze	magnetic pole
Arctic	minke whales
baleen whales	natural resources
ecosystem	specimen
elephant seal	sub-zero
emperor penguins	temperatures

## Quiz Answers

Question 1:

70 percent

Question 2:

Polar bears

Question 3:

Penguins

Question 4:

Drier

Question 5:

Alaska, Canada, Russia, Scandinavia (Denmark, Norway, Sweden), Greenland and Iceland

Question 6:

-89°C

## Study Guide

Chapter 1 – Star Quality

Chapter 1 introduces the reader to the main character. Read the chapter to find out who the main character and other characters are, and where the story is set.

Chapter 2 – Home Run

Chapter 2 provides the reader with the problem in the story. Given what you have read about Cassandra what could the problem be? Read the chapter to find out.

Chapter 3 – Sprung

Using the title as a clue, think about what could happen to Cassandra. Jot down some notes as to what could happen, then read the chapter to find out.

Chapter 4 – Owning Up

Think of a time when you may have had to own up to something you did. How did you feel? Given the problem in the story, what do you think Cassandra might do in this chapter? How will she feel?

Chapter 5 – A New Star

How do you think the story will end? What will happen to Cassandra? Use the title of the chapter as a clue to predict what will happen.

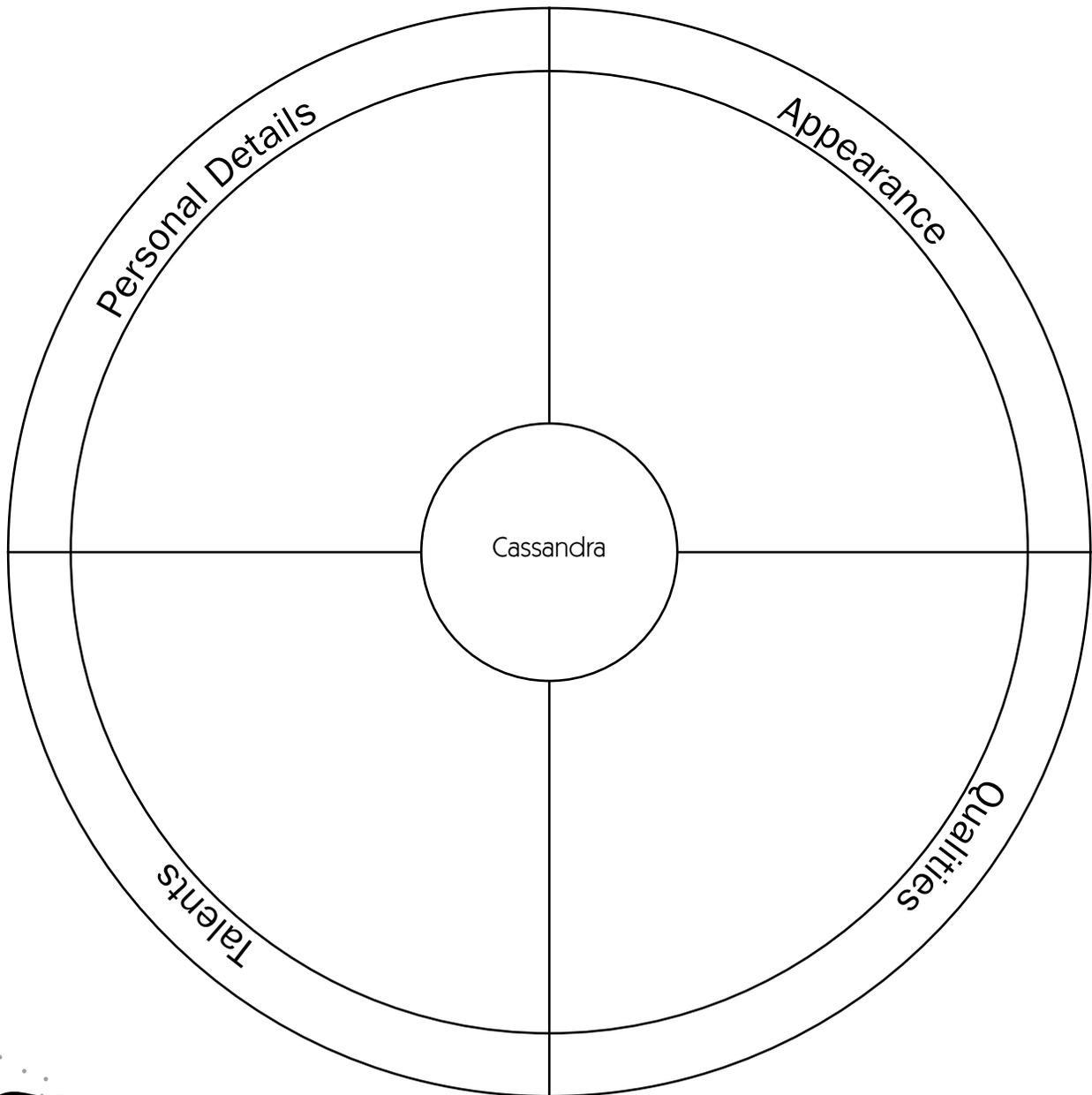
Graphic Organizer 1– Literacy

Cassandra’s Clever Dad

Name \_\_\_\_\_

- Comprehension – Literal

As you read the story, complete the character wheel on Cassandra.



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## Graphic Organizer 2 – Science

### Cassandra's Clever Dad

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

- Science Inquiry

As you read the story, select either the Arctic or Antarctica. Using the visual literacy, jot down facts about the chosen region.

Region:

Facts:



Cassandra's Clever Dad

Name \_\_\_\_\_

- Vocabulary

Write an acrostic poem about the polar regions. Use descriptive words to complete your poem.

P  
O  
L  
A  
R  
  
R  
E  
G  
I  
O  
N  
S





BLM 3 – Literacy

Cassandra's Clever Dad

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

- Literacy Inquiry

Think of a job you would like to do when you are older. Research the job and complete the questions.

Job:

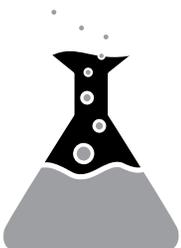
What I would do:

Equipment I would need:

Things I would need to know:

Closest place to my home where I can do this job:

Why I would be good for this job:



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