

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.

| Book Title | Book Activity 1 | Book Activity 2 | Graphic Organiser 1 | Graphic Organiser 2 | Black Line Master 1 | Black Line Master 2 | Black Line Master 3 |
|-------------------------------------|----------------------------------|------------------------|----------------------------|----------------------------|----------------------------|--|---|
| The Funniest Ferret | Literacy Vocabulary | Science Inquiry | Comprehension Literal | Science Inquiry | Comprehension Inferential | Multiple Intelligence Musical | Values Tolerance |
| Sky Farmer | Multiple Intelligence Linguistic | Science Experiment | Comprehension Literal | Science Inquiry | Science Vocabulary | Comprehension Inferential | Values Caring |
| Net Navigator | Comprehension Inferential | Science Experiment | Comprehension Literal | Science Inquiry | Literacy Vocabulary | Multiple Intelligence Visual Spatial | Values Understanding |
| Rumbling Beneath the Surface | Comprehension Inferential | Science History | Comprehension Literal | Science Inquiry | Literacy Vocabulary | Multiple Intelligence Intrapersonal | Values Care & Compassion |
| Slimy Slug Planet | Comprehension Inferential | Science Inquiry | Comprehension Literal | Science Inquiry | Literacy Vocabulary | Multiple Intelligence Visual Spatial | Values Respect |
| Revenge | Comprehension Inferential | Science Experiment | Comprehension Literal | Science Inquiry | Literacy Vocabulary | Multiple Intelligence Intrapersonal | Values Feelings |
| Bad moon Rising | Comprehension Literal | Science History | Comprehension Inferential | Science Inquiry | Literacy Vocabulary | Multiple Intelligence Naturalist | Values Freedom |
| T.C. Ami | Comprehension Inferential | Science Numbers | Comprehension Literal | Science Inquiry | Literacy Vocabulary | Multiple Intelligence Logic | Values Caring |
| Against the Odds | Comprehension Inferential | Science Inquiry | Comprehension Literal | Science Vocabulary | Literacy Vocabulary | Multiple Intelligence Bodily Kinesthetic | Values Doing Your Best |
| Get Me Out of Here | Comprehension Literal | Science Inquiry | Comprehension Inferential | Science Inquiry | Literacy Vocabulary | Multiple Intelligence Visual Spatial | Values Caring |
| Jed and the Master Robot | Comprehension Inferential | Science Experiment | Comprehension Literal | Science Inquiry | Science Vocabulary | Multiple Intelligence Interpersonal | Values Honesty |
| The Useless Tree | Comprehension Literal | Science Experiment | Comprehension Inferential | Science Inquiry | Science Vocabulary | Multiple Intelligence Logic | Values Fair Go Freedom & Responsibility |

Revenge!

Science Content and Knowledge:

Physical Science: Light

Level: Lower

Genre: Contemporary Fiction

Reading age: 9.1 years

Science Vocabulary

| | |
|------------------|------------------|
| absorption | prisms |
| energy | projector |
| invisible | reflection |
| light | refraction |
| light rays | retro-reflective |
| mirror | shadow |
| opaque | transparent |
| optical illusion | waves |

Quiz Answers

Question 1:

A blurry object

Question 2:

When light hits new matter at an angle, there is a change in speed, causing the light to bend or refract.

Question 3:

Walls and doors

Question 4:

Traffic lights and bicycle reflectors

Question 5:

When light hits the mirror at an angle, it reflects off at the opposite angle.

Question 6:

Allowing light to pass through.

Study Guide

Chapter 1 – Terrible Tricks

Chapter 1 introduces the main characters in the story. Read the chapter to find out who the main characters are and what their relationship is with each other.

Chapter 2 – A Light Idea

Using the title as a clue think about how Eve can overcome her problem? Read the chapter to see if your prediction was right.

Chapter 3 – Invisible Woman

Now that Eve has an idea of how to get back at Aunt Janine, how will she become invisible? Make a list of ideas of how she could become invisible. Read the chapter to find out how Eve will do it.

Chapter 4 – The Cloak

Do you think Eve's plan is achievable? Will she be able to make herself invisible? Who will be able to help her make her cloak? Predict whether you think she will be able to make the cloak or not.

Chapter 5 – Sweet Revenge

How do you think the story will end? Do you think Eve will get back at her aunt? How do you think Eve will feel getting revenge? How do you think Aunt Janine will feel?

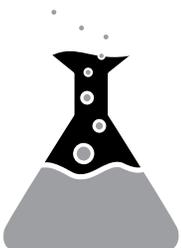
Graphic Organizer 1– Literacy

Revenge!

Name _____

- Comprehension – Literal

Light is used to make something invisible. As you read the story, make notes about any information that will help you understand how light is used to make objects invisible.



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Graphic Organizer 2 – Science

Revenge!

Name _____

- Science Inquiry

As you read the book you will come across many diagrams and explanation pages. Examine them carefully and complete the table below.

| Feature | Page | What it tells me about light |
|--|------|------------------------------|
| Explanation of shadows | | |
| Diagram of reflection and refraction | | |
| Explanation of how a transparent cloak works | | |
| Explanation of absorption | | |
| Diagram of retro-reflective material | | |



Revenge!

Name _____

- Vocabulary

Most English words originated from other languages. Root words are words grouped together with similar meanings.

For example – the Latin word *aqua* means *water*.

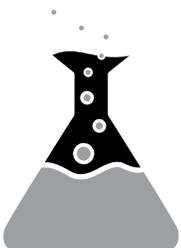
The following words: aquarium and aquatic are both associated with water and contain the root word.

The Latin root word meaning light is: luc and lum.

E.g. Translucent

Illuminate

Write as many words as you can using these two root words.



Revenge!

Name _____

- Intrapersonal Intelligence

Have you ever played a trick on someone or has a trick been played on you?

Complete the boxes below.

What trick did you play on someone?

How did the trick go? How did you feel?

Have you ever had a trick played on you? What was it?

How did you feel?



Revenge!

Name _____

- Feelings

Think about the character of Eve. How does she feel when her aunt plays tricks on her? How does she feel when she gets back at her aunt? Complete the table below.

| Events in the story | Page | How Eve reacted | How Eve felt |
|---------------------|------|-----------------|--------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

How does Aunt Janine feel when she is tricked?

