



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

# Bad Moon Rising

## Science Content and Knowledge:

Earth Science: Moon and Tides

Level: Lower

Genre: Historical Fiction

Reading age: 9.3 years

## Science Vocabulary

crescent moon	near side
eclipse	new moon
far side	phases
first quarter	reflected
full moon	rotation
gibbous moon	second quarter
gravity	solar eclipse
high tide	spring tides
horizon	tides
last quarter	wane
low tide	waxing
lunar eclipse	

## Quiz Answers

Question 1:

When the moon is between Earth and the sun. The moon casts a shadow over Earth.

Question 2:

When Earth is between the sun and the moon. Earth casts a shadow on the moon.

Question 3:

Twice each month, once at a full moon, once at a new moon

Question 4:

29½ days

Question 5:

2

Question 6:

Both a waning and waxing crescent moon show one lighted edge. Each lights opposite the side of the moon.

## Study Guide

Chapter 1 – Anchors Aweigh!

Read Chapter 1 to find the setting of the story. Use the language to help you decide when and where the story is set.

Chapter 2 – Stormy Weather

As the chapter heading suggests the *Santa Maria* could be heading into stormy weather. How would a boat like the *Santa Maria* cope during bad weather compared to the boats of today? How do you think the sailors of the *Santa Maria* would cope?

Chapter 3 – Moonstruck

Before reading Chapter 3 think of any information you might know about the moon. Do you think it is important to know about the moon if you are a sailor? Why?

Chapter 4 – Pirates Ahoy!

What are pirates like? What do they wear, how do they act? Jot down some notes about pirates. How would you feel if you were a sailor on the *Santa Maria* and you ran into a pirate?

Chapter 5 – Eclipsed!

How do you think the story will end? Use the chapter title and the events of the previous chapters to predict the ending.

# Graphic Organizer 1– Literacy

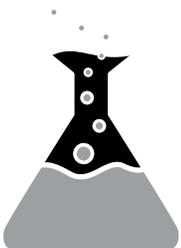
## Bad Moon Rising

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

- Comprehension - Inferential

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

Columbus	
Mildew	
Sancho	
Murdering Marauding Marco	



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## Graphic Organizer 2 – Science

### Bad Moon Rising

Name \_\_\_\_\_

- Science Inquiry

As you read answer the following questions.

1. When the moon's shadow falls on Earth, this is called a...  
A. Solar Eclipse  
B. Full Moon  
C. Lunar Eclipse  
D. Black Hole
2. The moon goes through all of its phases every...  
A. 29 ½ days  
B. 14 days  
C. 39 ½ days  
D. 2 months
3. Which of the following is not a phase of the moon?  
A. Crescent  
B. Lunar  
C. Full  
D. New
4. How many high tides occur in 24 hours?  
A. 1  
B. 4  
C. 6  
D. 2
5. What happens during a solar eclipse?  
A. The sun's shadow falls on Earth.  
B. The moon's shadow falls on Earth.  
C. Jupiter's shadow falls on Earth.  
D. Earth's shadow falls on Mars.
6. Explain how high and low tides are caused.



# Bad Moon Rising

Name \_\_\_\_\_

- Vocabulary

Read the sentences below and underline the homonyms. Identify the word being either a homophone or homograph. Write another sentence using the word as a homonym.

Homograph:

A word that has the same spelling but a different meaning from another word.

E.g.: The girl has fair hair. I went on the ride at the fair.

Homophone:

A word with the same sound, but has a different meaning from another word.

Homophones can have different spellings.

E.g.: I ate an apple. I saw eight white doves.

*The boy was sick and very weak.*

*Homograph / Homophone (circle one)*

Example *There are seven days in the week.*

1. The ship moved quickly in the wind. Homograph / Homophone (circle one)

Example \_\_\_\_\_

2. He stood at the bow of the boat. Homograph / Homophone (circle one)

Example \_\_\_\_\_

3. The Captain spun on his heel. Homograph / Homophone (circle one)

Example \_\_\_\_\_

4. There was a chip in the parrot's beak. Homograph / Homophone (circle one)

Example \_\_\_\_\_

6. The sail tore in the storm. Homograph / Homophone (circle one)

Example \_\_\_\_\_



## BLM 2 – Multiple Intelligences

### Bad Moon Rising

Name \_\_\_\_\_

- Naturalist Intelligence

Observe the moon for two weeks. Each night look at the shape of the moon.

Draw what you see. Continue observing and drawing what you see for two weeks.

NOTE: Students will need two copies of this BLM

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday



## Bad Moon Rising

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

- Freedom

Explain how Columbus stood up for the crew and himself against the pirates.

How did Columbus stand up for himself?

Why was it a good thing to do? Can you think of an example of sticking up for yourself?

