

The Mystery of Nature's Laws

The Young Scientists Series — Book 12: The Mystery of Nature's Laws

List of Resources

1. Fun with Words!
2. Understanding What We Read
3. Responding to Text
4. Close Reading Skills
5. Book Reflection
6. Answer Key

Internet Resources

- Video about Isaac Newton
<https://www.youtube.com/watch?v=rOtWO94ld3o>
- Video about Galileo Galilei
<https://www.youtube.com/watch?v=L3x44t6QTro>
- Human computer
<https://www.youtube.com/watch?v=l0fXPzcbmPk>

1. Fun with Words

This is a word search puzzle which highlights the different vocabulary in this book.

2. Reading for Understanding (The Teenager Who Saw the Light)

This activity is set based on the latest comprehension format. It serves as a practice for their comprehension open-ended skills.

3. Responding to Text

Refer to the text "The True Story of the Philosopher Stone". Students are to share about Rutherford and Soddy's discovery.

4. Close Reading Skills

In this exercise, students will practice their close reading skills. You may want to encourage them to look for contextual clues in the text.

5. Book Reflection

In this exercise, students are to write a reflection the story they like best in this book

Word Search

V E M U T N A U Q H C E L N M
N N S Q U R K D N B S O A J U
C X G S O E Z Q R X K N D C S
R M S I C I T S Y M F L A C B
N C C K H L M P O R S X M Y U
O C M G F E Z L S Y S B E M P
R O C W S D F L L I M D N I W
G T Y C S N E H X Y P Z R Y H
X K B U X A L C H E M I S T I
M T X L S H W K I I J D M C W
F N W F J C M P E B F X D X E
M A M E T F B W A A D K D I C
A N L A O O F R H I U X Y D R
S G F N Z X A Q J J P P U T M
A V L V T C W U D S F A G N C

ALCHEMIST
QUANTUM
WINDMILL
CHANDELIER
MYSTICISM

Fun with Words!

In this activity read the story “The Teenager Who Saw the Light” and answer the following questions.

1. Which word page 14 tells us that Galileo believed in God? [1m]

2. Why did the lamplighter have two sticks? [2m]

3. Based on the story, state whether each statement in the table below is **true** or **false**, then, give a reason why you think so. [2m]

Sentence	True/False	Reason
i) The lamplighter caused the lamps to swing.		
ii) Galileo was interested to learn about how the lamps swung.		

4. How did Galileo measure the time of the swings of the lamp? [2m]

5. Which sentence on page 17 encourages children to invent things? [1m]

Fill in the blanks with a suitable word.

Can you imagine being banned from the school for being a girl?

This happened very often (1) _____ the past. Amalie Emmy

Noether was (2) _____ of these girls who have suffered such a

fate. (3) _____ she was not considered a student in the

university, she was allowed to sit at the back of the classes to listen.

Being an intelligent girl, that was enough for Amalie to

(4) _____ a name for herself. She kept working hard and finally

made an important (5) _____ in science. When Albert Einstein

heard of what Amalie discovered, he called her a genius.

