

How To Win a Nobel Prize

**Author: Barry Marshall
with Lorna Hendry**

Illustrator: Bernard Caleo

Published by Black Inc Books

ISBN:9781760640064

Synopsis:

Ten-year-old Mary has always wanted to win a Nobel Prize. She loves running her own science experiments at home. But how can she become a real scientist and win the greatest prize of all?

One day Mary stumbles on a secret meeting of Nobel Prize winners. Swearing her to secrecy, Dr Barry Marshall agrees to be her guide as she travels around the world and through time to learn the secrets behind some of the most fascinating and important scientific discoveries. They talk space and time with Albert Einstein, radiation with Marie Curie, DNA with Crick, Watson and Wilkins - and much more.

How to Win a Nobel Prize is a funny, fascinating adventure story for ages 9 to 12, and includes experiments that young scientists can do themselves at school or at home.

Author Bio

Barry Marshall won the 2005 Nobel Prize for Medicine, with Robin Warren, for discovering that stomach ulcers can be caused by bacteria and can be treated with antibiotics. He experimented on himself to prove their theory.

Lorna Hendry is a writer, editor, graphic designer and teacher but, long before all of that, she studied science at university. She loves the challenge of making science fun and easy to understand. Lorna has written books on a range of topics, from endangered animals to genetics. She has never won a Nobel Prize.

Illustrator Bio

Bernard Caleo discovered the Tintin series of comic books at his local library when he was five, and this shaped his entire life. These days he draws pictures, writes words, and makes comic books.



Teacher's Notes

Themes:

STEM
Science
Determination
Innovation
Imagination

Curriculum Links:

English Year 5

[ACELA1504](#)

[ACELT1608](#)



Writing Style

This novel is unusual in that it uses three text types.

Narrative - it is telling us a story.

Informative - it is giving us information about real life scientists.

Procedural - There are experiments at the end of each chapter.

How do you feel about this type of text? When reading this book do you think of it as a novel or an information book?

Ask each student to consider this, and then divide the class into two groups (if there are two groups), those that think it's a novel, and those that think it's a non fiction text. In these groups discuss the reasoning behind your choice.

- **If you think of it as a novel:**
Why do you think this?
What reasons can you give the class to convince them that it's a novel.
- **If you think of it as a non fiction book:**
Why do you think this?
What reasons can you give the class to convince them that it's a novel.

Science:

Year 4 Science as a Human Endeavour : [ACSHE061](#)

Year 5 Science as a Human Endeavour [ACSHE081](#), [ACSHE083](#)

Choose one of the scientists from the book and find out more information about them. How has their scientific achievement/discovery has contributed to our modern world.

Additional resources:

About the Nobel Prize:

<http://mocomi.com/nobel-prize/>

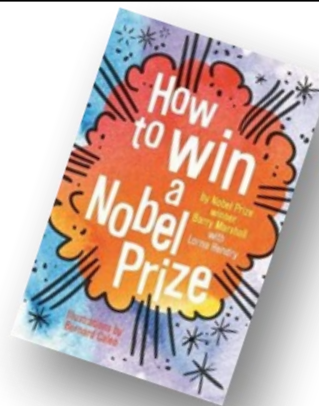
<https://www.nobelprize.org/>

Useful books about scientists:

100 Scientists Who Made History 9780241304327

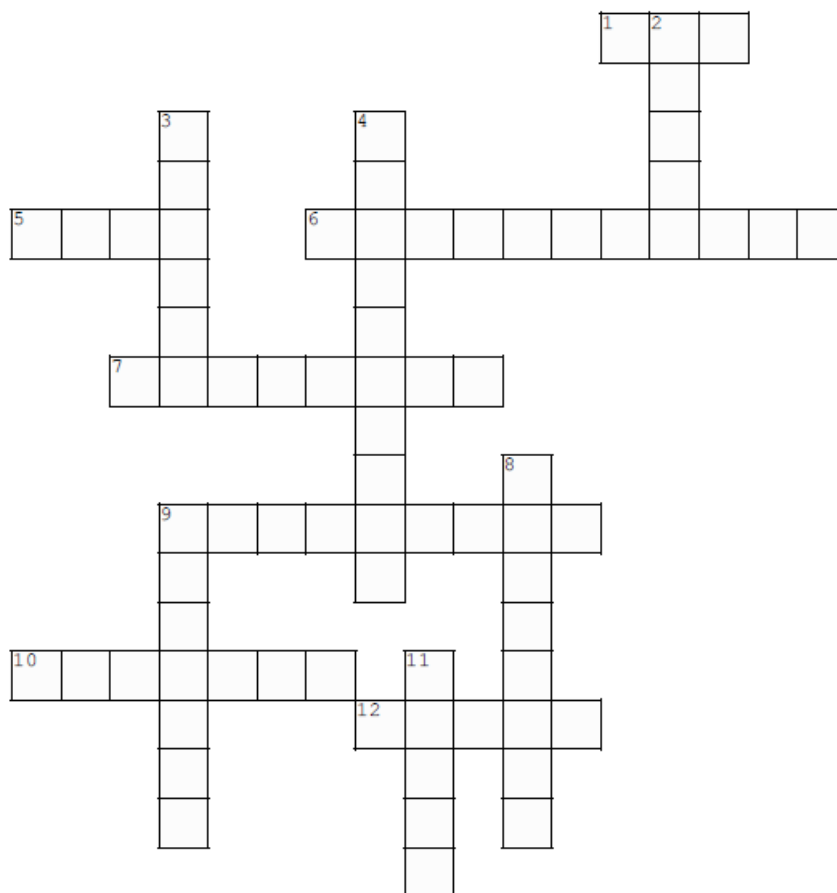
How To Be A Scientist 9780241283080

You've read the book,
now do the crossword.
All of the answers
can be found in the book.



How To Win a Nobel Prize Puzzle

Complete the crossword below



Created with TheTeachersCorner.net [Crossword Puzzle Generator](http://CrosswordPuzzleGenerator.com)

Across

1. How many Nobel prizes did Marie Curie win?
5. Gertrude Elion had a Masters Degree in Chemistry. After receiving her degree she applied for 15 fellowships. How many was she offered?
6. Barry Marshall and Robin Warren found that you can treat stomach ulcers using what?
7. Alfred Nobel's most famous invention was what?
9. Jean-Pierre Sauvage, Sir Fraser Stoddart and Bernard Feringa won the 2016 Nobel Prize in what category?
10. What nationality was scientist Tu Youyou?
12. Guglielmo Marconi used morse code to send his first wireless message. What is this word in morse code
... ..

Down

2. Norman Borlaug developed a new type of what plant?
3. Albert Einstein is famous for the equation $E = mc^2$, what does the E stand for?
4. What did Alexander Fleming invent?
8. What is the surname of the scientist who missed out on the Nobel prize for her work discovering what DNA looks like?
9. Subrahmanyan Chandrasekhar was more commonly known as?
11. Rita Levi-Montalcini was known as 'Lady of the.....' What?

Crossword Solutions:

Across:

1. Two
5. None
6. Antibiotics
7. Dynamite
9. Chemistry
10. Chinese
12. Hello

Down:

2. Wheat
3. Energy
4. Penicillin
8. Franklin
9. Chandra
11. Cells