

The Young Scientists Series — Book 11: The Call of the Stars

List of Resources

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

Internet Resources

- Constellation of Stars
<https://www.youtube.com/watch?v=MZffhapfOgg>
- Annie Cannon
<https://www.youtube.com/watch?v=scqKVhLcWQc>
- Michio Kaku about Einstein
<https://www.youtube.com/watch?v=9XjS4I4oQDY>

1. Reading for Understanding (The Boy Who Decoded the Dance of the Stars Book)

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

2. Responding to Text

Refer to the text “The Girl Who Named the Stars in the Sky”. Students are to write an informal letter to their friend about Annie Jump Cannon’s difficulties and her discoveries.

3. Fun with Art

Refer to the text “The Poet-Scientist Who Detected an Earthquake”. Students are to draw a constellation.

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

In this activity read the story “The Boy Who Decoded the Dance of the Stars” and answer the following questions.

1. Why did Jeremiah choose not to play like the other children? [2m]

2. 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) Jeremiah got his first telescope from the university.		
ii) Jeremiah could not prove that Venus came in between Earth and the Sun.		

3. Jeremiah had to leave university as _____.

- (a) he was too young
- (b) he had learnt enough
- (c) his parents could not afford his fees
- (d) his father needed more help at his shop

4. Which word in the story (page 5) has the same meaning as “shadow”?

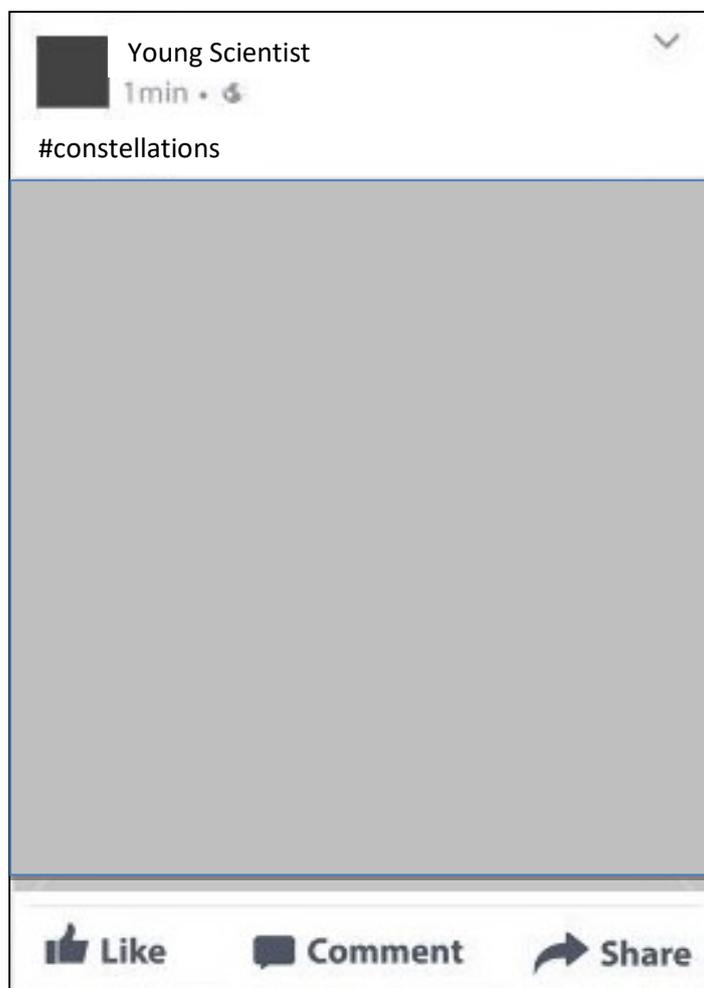
5. Why did the writer say that the story had a sad ending?

Responding to Text

Read the story "The Girl Who Named the Stars in the Sky". Write a letter to your best friend telling him/her about Annie Jump Cannon. You have to include

- what were the challenges that Annie faced
- What her discoveries were.
- Why her discoveries are important.

From the story “The Poet-Scientist Who Detected an Earthquake”, Zhang Heng noticed the constellation of stars like the one below. Search online for other constellations and draw it in the box below.



Fill in the blanks with a suitable word.

Have you heard about how people are still trying to understand what Albert Einstein discovered? While some say it is an impossible task, Michio Kaku was not (1) _____ of them. Driven by his interest to find out what Einstein had discovered, Michio (2) _____ to study physics. (3) _____ the subject being tough to learn, he found it interesting and soon mastered it. By the time he was a teenager, Michio had learnt about things that even adults did not know. He became so good at the subject (4) _____ he ended up being an author who writes books to teach people about the wonders of physics in a very (5) _____ way so that anyone, even children, can understand. If you go to the bookstore, you might find a book by Michio explaining some of Einstein's discoveries.

