

The Young Scientists Series — Book 1: Secrets in the Rocks

List of Resources	Internet Resources
1. Understanding What We Read 1	- 3D model of an Ichthyosaur https://www.youtube.com/watch?v=b9gHZMjagZA
2. Understanding What We Read 2	- video on the study of fossils https://www.youtube.com/watch?v=zHM3J6igfZ8
3. Let's Learn New Words	- Panoramic View of Matterhorn Glacier in Switzerland http://www.myswitzerland.com/en-sg/klein-matterhorn-it-doesn-t-get-higher-than-this.html
4. Close Reading Skills	- Video of Earth's core http://channel.nationalgeographic.com/videos/earths-core/
5. Fun with Art!	
6. Answer Key	

1. **Reading for Understanding (The Girl Who Found a Flying Dragon)**
This activity is set based on the latest comprehension format. It serves as a practice for their comprehension open-ended skills.

2. **Reading for Understanding 2**
In this activity, students are to read the story "The Bug Boy Solves a Huge Mystery" again. They are required to write a short summary of

- how Louis Agassiz loved for nature
- how this love for nature helped him be famous

3. **Let's Learn New Words**
In this exercise, students are to match the words with their correct meanings. The words have been extracted from the stories in the book and are matched to the theme of Fossils.

After they have matched the meanings to the words, you may wish to get the students to form their own sentences using the new words they have learnt

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. **Fun with Art**
To sum up all the activities, students are to pretend they are paleontologists and have to sketch a picture of their favourite fossil.

In this activity read the story “The Girl Who Found a Flying Dragon” and answer the following questions.

1. Which sentence in Page 2 tells us that Mary lived at a place that was not popular? [1m]

2. Why did Mary leave her home to explore the cliffs? [2m]

3. What were the strange patterned rocks that Mary discovered? [2m]

4. From the story, tick whether the statements describe Mary or her dog, Tray. The first example is done for you. [2m]

Statement		Mary	Tray
a.	Received money from the local church	<input checked="" type="checkbox"/>	
b.	Found the first complete plesiosaurs		
c.	Was killed in a landslide		

5. Which word tells us that the churchmen had faith in the Annings? Circle (A) or (B). [1m]

They were wise to put their trust in the Annings.
(A) (B)

Match the words in **bold** with their correct meanings.

1. It turned out that the **lethal** seaside cliff where they lived would save their lives. •
 - A part someone plays to help make something successful
2. In Europe, **Archeologist** said they had dug up the bones of giant men who were even taller than the oldest, highest trees in the village. •
 - The study of fossils to get information about the history of life on Earth
3. Georges Curvier's real **contribution** to science was an extraordinary idea. •
 - something extremely dangerous
4. Mary Morland was fascinated by **paleontology**. •
 - Someone who studies buildings and objects of people who lived in the past
5. Scientists **investigated** the idea and found that the theory was right. •
 - Stopping something from continuing as usual
6. The shaking that accompanies earthquakes may happen in less **disruptive** ways. •
 - To examine something to discover the truth

Let's Learn New Words

Now that you know the meanings of these words, try forming sentences with them.

1. lethal:

2. archeologist:

3. contribution:

4. Paleontology:

5. investigate:

6. disruptive:

Fill in the blanks with a suitable word.

Inge Lehman's interest in the study of Earth led her to be a renowned scientist. It all started when she experienced an (1) _____ at home. The ground beneath her trembled and every shook vigorously. She worked as a seismologist (2) _____ she was much older. It was then when she realised that after collecting lots of records about earthquakes, she was able find out more about (3) _____ was deep inside the Earth. Determined to discover more about the Earth, she (4) _____ many months studying the records of the earthquakes. After her hard work, she (5) _____ that the Earth had two sections — the outer core and the inner core. Many people were amazed by her findings and she was soon a famous scientist.

Imagine you are a paleontologist. Sketch out a picture of your favourite dinosaur's fossil. Have Fun!



Here's an example of a picture of a fossil