

Week beginning Monday 22nd June: Years 5 and 6 Science

Last week we learned about the life and work of Steve Jobs. This week we are going to learn about Mary Leakey.

- First, please go to <https://www.youtube.com/watch?v=azDtRPOeYi0> and watch the clip. This is an introduction to the life of Mary Leakey.
- Next, read this biography really carefully.

Mary Leakey

◆ Mary Leakey was a British paleoanthropologist who discovered many fossils of early hominins and their tools. These fossils provide evidence for the evolution of humans.

◆ Leakey worked with her husband Louis at various archaeological sites. For much of her career, she worked at Olduvai Gorge in Tanzania in Africa. After Louis died, Leakey became director of excavations at Olduvai.



Biography of Mary Leakey



Born 6 February 1913, [London](#)

Died 9 December 1996 (aged 83)

[Nairobi, Kenya,](#)
[East Africa](#)

Nationality [United Kingdom](#)

Known for [Hominid fossils, Laetoli](#)

Spouse(s) [Louis Leakey](#)

Fields [Anthropologist](#), [Archeologist](#)

Mary Leakey (6 February 1913 – 9 December 1996) was a British archaeologist, who spent much of her life working in East Africa, in Tanzania and Kenya.

She discovered the first fossilized *Proconsul* skull, an extinct primate. They had a mixture of Old World monkey and ape characteristics, and their position in the evolution of the apes is still not clear. Leakey also discovered the robust *Zinjanthropus* skull at Olduvai Gorge.

For much of her career, she worked together with her husband, Louis Leakey, in Olduvai Gorge, uncovering the tools and fossils of ancient hominins. She developed a system for classifying the stone tools found at Olduvai. She also discovered the Laetoli footprints. In 1960 she became director of excavation at Olduvai and subsequently took it over, building her own staff. After the death of her husband, she became a leading palaeoanthropologist, helping to establish the Leakey tradition by training her son, Richard, in the field.

Excavations



Olduvai Gorge

Leakey served her apprenticeship in archaeology under Dorothy Liddell at Hembury in Devon, 1930–1934, for whom she also did illustrations. In 1934 she was part of a dig at Swanscombe, where she discovered the largest elephant molar known at the time in Britain, but needed assistance to identify it.

Olduvai

The years 1935 to 1959, spent at Olduvai Gorge in the Serengeti plains of Northern Tanzania, yielded many stone tools from primitive stone-chopping instruments to multi-purpose hand axes. These finds came from Stone Age cultures dated as far back as 100,000 to two million years ago.

The Leakeys unearthed a *Proconsul africanus* skull on Rusinga Island, in October 1948.

In 1960, unable to leave the museum except on weekends, Louis appointed Mary director of excavation at Olduvai. She brought in a staff of Kamba tribesmen, instead of Kikuyu, who, she felt, took advantage of Louis. The first, Muteva Musomba, had kept her children's ponies. He recruited Kamoya Kimeu among others. Mary set up Camp 5 under Jonathan's direction. He was 19. From then on she had her own staff and associates.

Mary picked and sieved at the site from early morning dressed in old clothes, chain smoking cigarettes, always accompanied by her Dalmatian. She and Louis communicated by radio. On weekends he drove non-stop at high

speed the 357 miles between Olduvai and Nairobi. The teenage boys, Richard and Philip, were on site holidays and vacations.

After Louis

After Mary's husband died, she continued her work at Olduvai and Laetoli. It was here, at the Laetoli site, that she discovered Hominin fossils that were more than 3.75 million years old. She also discovered fifteen new species of other animals and one new genus.

From 1976 to 1981 Leakey and her staff worked to uncover the Laetoli hominid footprint trail which was left in volcanic ashes some 3.6 million years ago. The years that followed this discovery were filled with research at Olduvai and Laetoli, the follow-up work to discoveries and preparing publications.

Books by Mary Leakey

- 1950 *Excavations at Njoro River Cave* (with Louis Leakey).
- 1971 *Olduvai Gorge: Excavations in Beds I and II, 1960-1963*.
- 1979 *Olduvai Gorge: my search for early Man*.
- 1983 *Africa's vanishing art: the rock paintings of Tanzania*.
- 1984 *Disclosing the past: an autobiography*. Garden City, New York: Doubleday.

Activities

Now try out your Science skills with these activities.

- **Have a go at activity 1**. Complete this true/false/opinion sorting task. You can print out the task and stick it in your book, or write it out in your book.



Mary Leakey

To understand the life of Mary Leakey and her work about fossils.



Cut out the statements about Mary Leakey and stick them in the correct column according to whether they are true, false or could be someone's opinion. Write the correct version of each of the false statements under the statement. Add two more true statements about Mary Leakey's life and work.

Challenge: Add your own opinion about Mary's work or life.

True	False	Opinion

Mary's first job was as an illustrator at a Stone Age dig when she was 17.	Louis Leakey found many fossils while Mary only illustrated them.	Mary didn't settle into school but did very well at university.
Mary Leakey and her husband Louis carried out scientific excavations in Olduvai Gorge in Africa.	One of Mary Leakey's discoveries was a set of footprints from an early species of human.	Mary Leakey was a better paleoanthropologist than her husband.
Mary was unlucky to be rejected from university.	Mary Leakey was born in France in 1913.	

- Now try **activity 2**. Create a fact file about Mary using the format below.

_____ Fact File

<p>Full Name: _____ _____ _____</p> <p>Date of Birth: _____ _____ _____</p> <p>Place of Birth: _____ _____ _____</p> <p>Famous for: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____</p>	<p>Who were they? _____ _____ _____ _____ _____</p> <p>Their life: _____ _____ _____ _____ _____ _____ _____ _____</p>
<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	