

Women in Science

DR. CYNTHIA MOSS. & DR. JANE GOODALL



VIRTUALBiography

Integrates Reading Skills

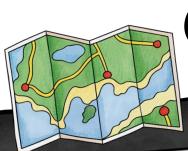


Mini Biography:

"In 1968, Cynthia Moss made a life-changing decision and moved to Africa to study elephants in Tanzania with I ain Douglas-Hamilton. Four years later, teaming up with Harvey Croze, she for conditions for studying elephants in Amboseli National Park. Four decades later, her work is the running study of wild elephants ever undertaken, documenting the lives and deaths of almost elephants. The Amboseli Elephant Research Project is now a hub for research collaboration of all parts.

Realistic solutions to the problems facing Africa's elephants can be developed only with the comprehensive long-term research studies. Studies in Ambaseli have provided unique and information on elephant birth rates, death rates, ranging patterns and nutritional needs, illustrates of their underlying determining factors. But the studies have also revealed much elephants communicate at a very sophisticated level; that they celebrate birth, have lifelong and appear to mourn the death of family members. Research has shown them to be highly in the ability to reason and problem solve and has provided a window onto their complex social the ability to reason and problem solve and has provided a window onto their complex social the ability to reason and problem solve and has provided a window onto their complex social the ability to reason and problem solve and has provided a window onto their complex social the ability to reason and problem solve and has provided a window onto their complex social the ability to reason and problem solve and has provided a window onto their complex social the ability to reason and problem solve and has provided a window onto their complex social the ability to reason and problem solve and has provided a window onto their complex social the ability to reason and problem solve and has provided a window onto their complex social the ability to reason and problem solve and has provided a window onto the ability to reason and problems.

-Amboseli Trust For E (from the "Project History



Geography

Jane Goodall's Beginning

Jane Goodall, one of the world's top experts on chimpanzees, spent years observing, living with, and studying chimpanzees in the Gombe Stream National Pa

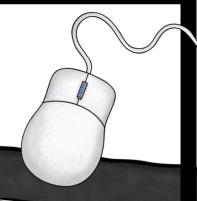
- I. Click here to locate the park online.
- 2. Move the star to the park's location.







Interactive



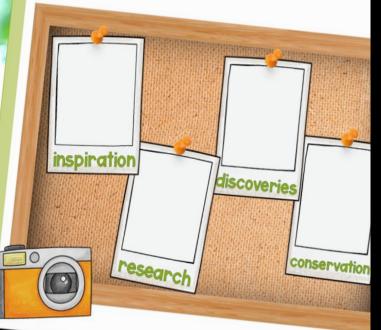
Let's take a trip to two countries in Africa. We will be visiting scientists Cynthia Moss and Jane Goodall.



As we explore both scientists, their life's work, and the species they love, take some photos with your camera. After each section, paste the photo iton the frame and move on to the next.

Use Ctrl+X to cut, then Ctrl+V to paste the photo into the frames. Resize to fit, if needed.

Let's Explore!





Compare & Contrast

Reflect on the information you know so far about Cynthia Moss and Jane Goodall. Compare and contrast the two scientists and their work. Some topics you might consider include identity, location, passion, publicity, dedication, inspiration, and more.

Jane Good

Writing



Trusting Jane



Watch the video to learn about <u>Jane Goodall's</u> study of chimpanzees and how she earned their trust.

What is most interesting to you about Jane Goodall's study of chimpanzees and the similaritie she discovered between chimps and humans?





*Please Note: Links and instructions for embedded are included.

Engaging & Educational Media

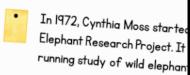
Cynthia Moss

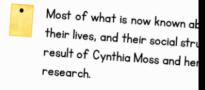
Identifying Elephants

Watch the video to see <u>Cynthia Moss</u> in action, and how she and her team identified hundreds of elephants in Amboseli National Park. Then, indicate whether the statements to the right are true or false.







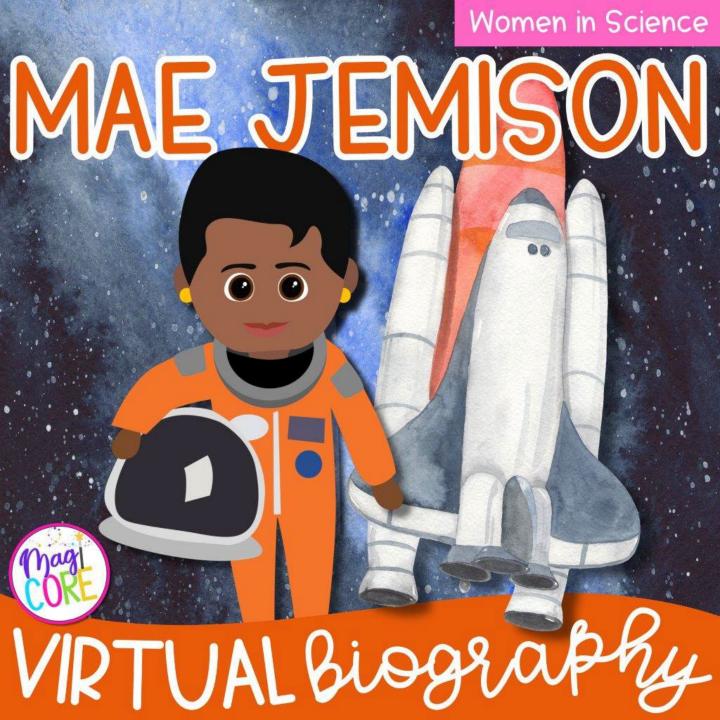


 Cynthia Moss and her team don about elephant conservation.

The matriarch of the elephant f walks in the middle or back of th they travel from place to place.

Cynthia Moss and her team have identifying the elephants by their

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Integrates Reading Skills

Mae Jemison & STEAM

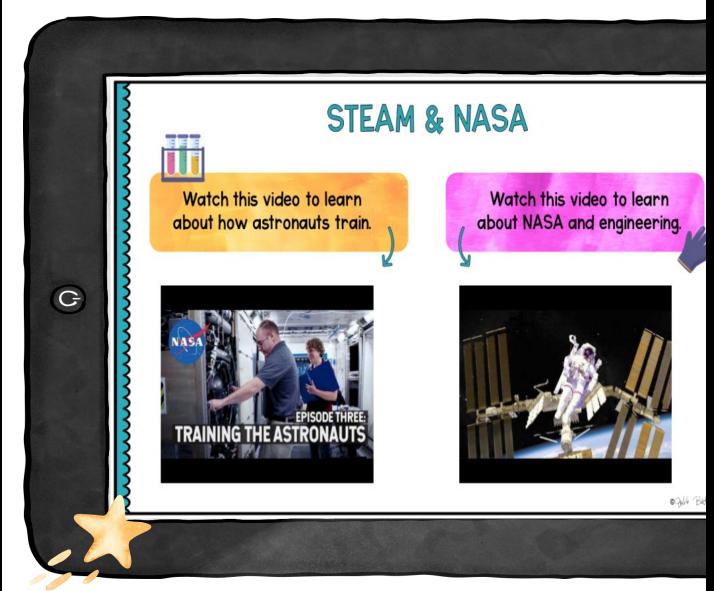
Based on what you know so far about Mae Jemison, how is her work related to the field of STEAM?

In Mae Jemison's TED Talk from 2002, she talks about the *need* to use sciences and arts together in order to move into the future. At that time, those two subjects were thought to be very different, but Dr.

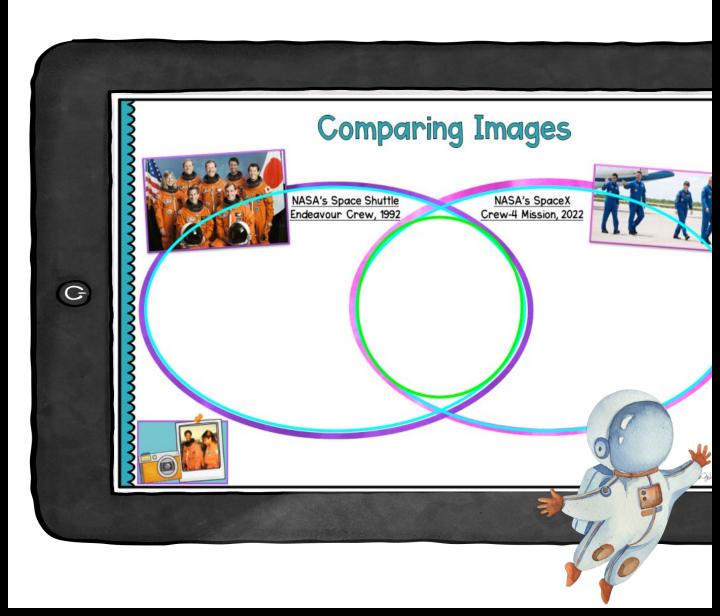
Jemison knew that in order to keep discovering and learning, we must be willing to change the way we think. She knew that every day, we all use willing to change the way we think. She knew that every day, we all use sciences and arts to understand the world around us. Her goal was to help us understand that sciences and arts need to be taught together in order for us to learn, understand, and engineer new things in the world.

How are Dr. Jemison's ideas shared in 2002 being used to us make new discoveries and

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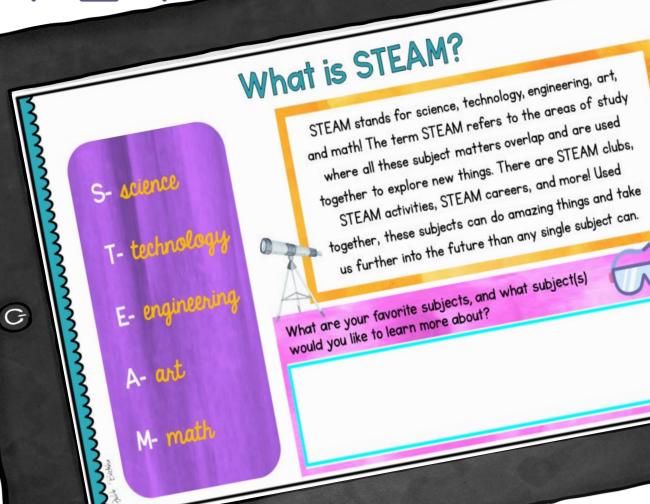


Critical Thinking

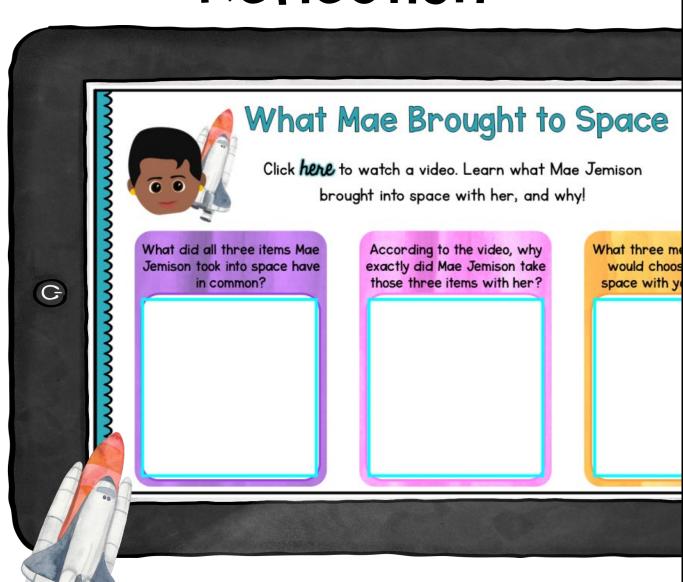




Science

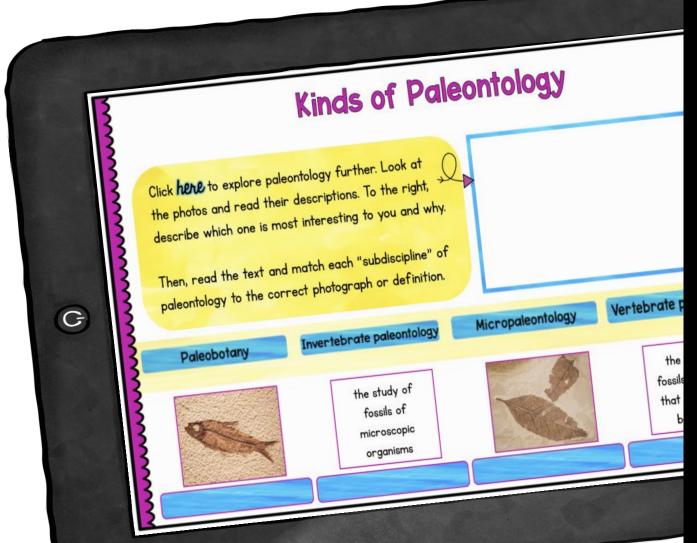


Reflection

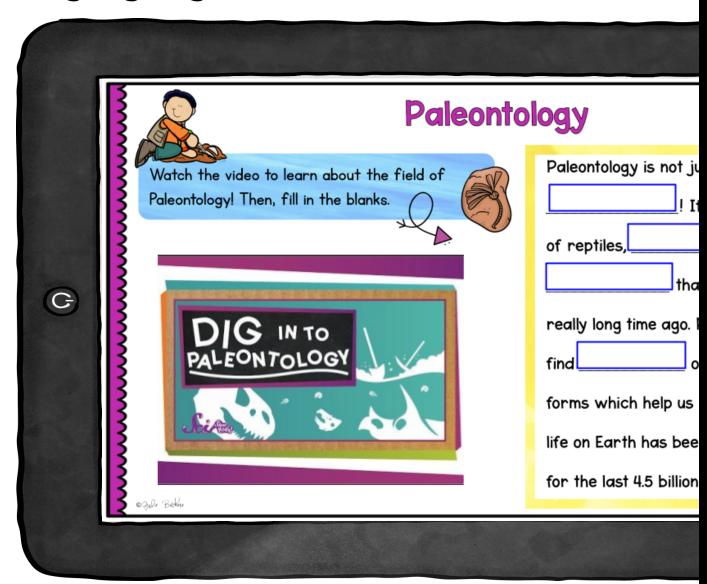


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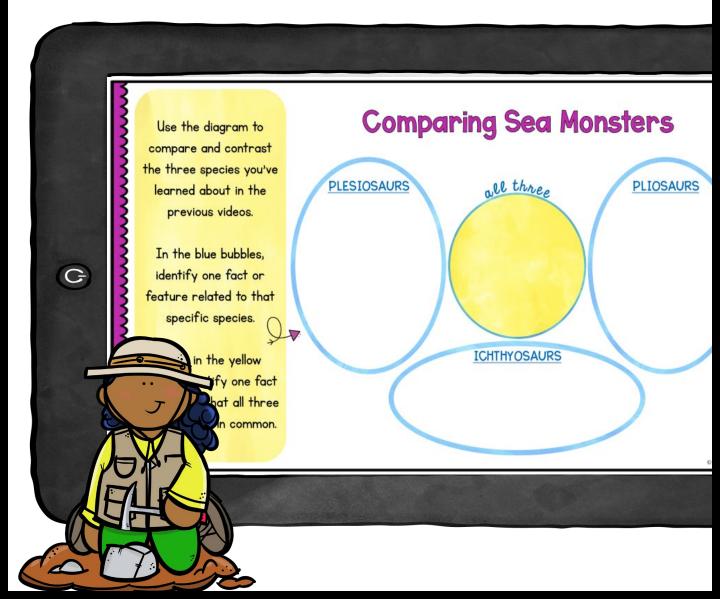


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*Please Note: If you are purchasing this on TPT, instructions for how to embed videos are provided.

Critical Thinking



Science



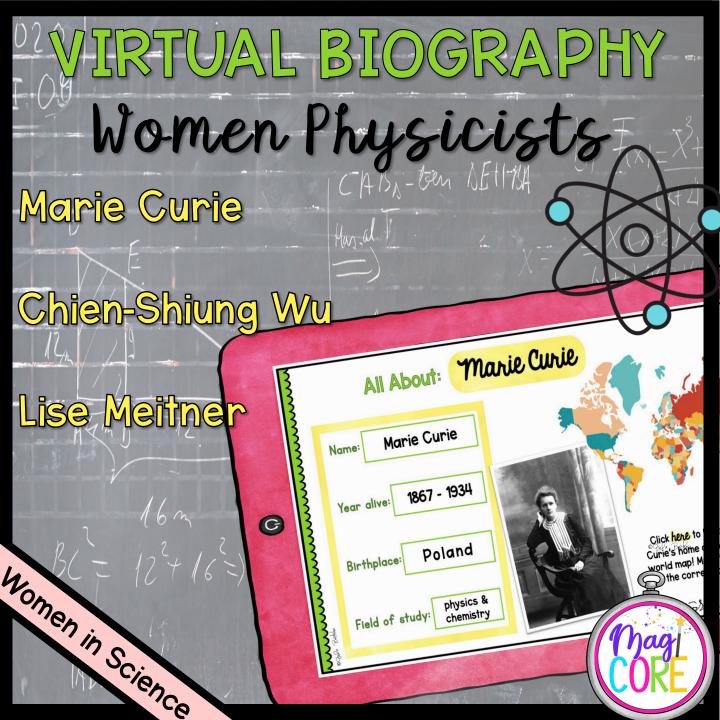
Reflection



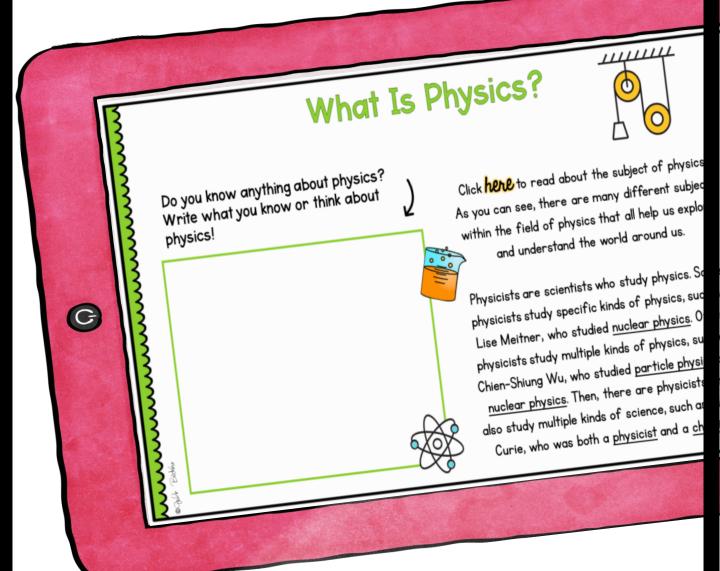
Reflect on Mary Anning's 1828
discovery of the first winged fossil.
Then, think about what we know about birds and their connection to dinosaurs and pterosaurs from millions of years ago.

Why was Mary Anning's
discovery so significant? How has it
shaped what we know about the
animals that currently live on Earth?

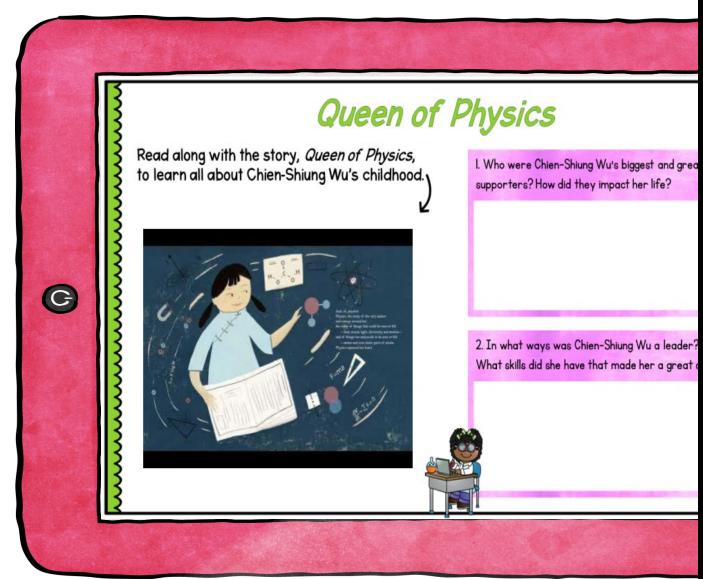
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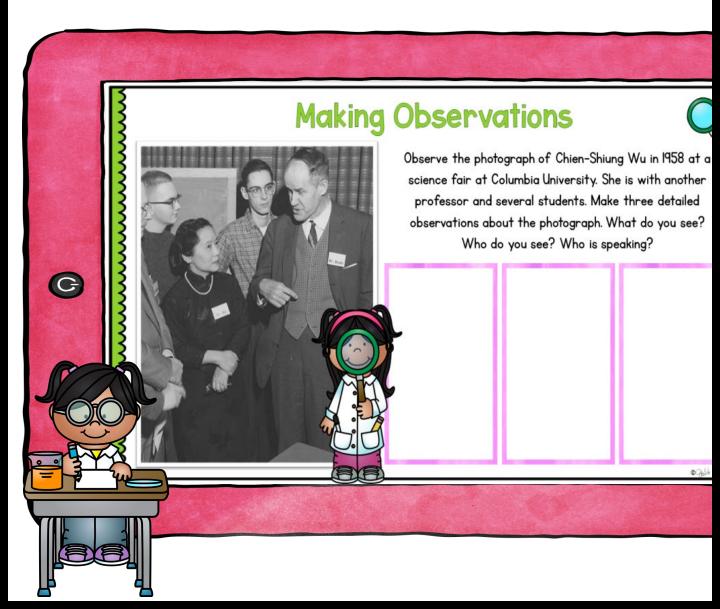


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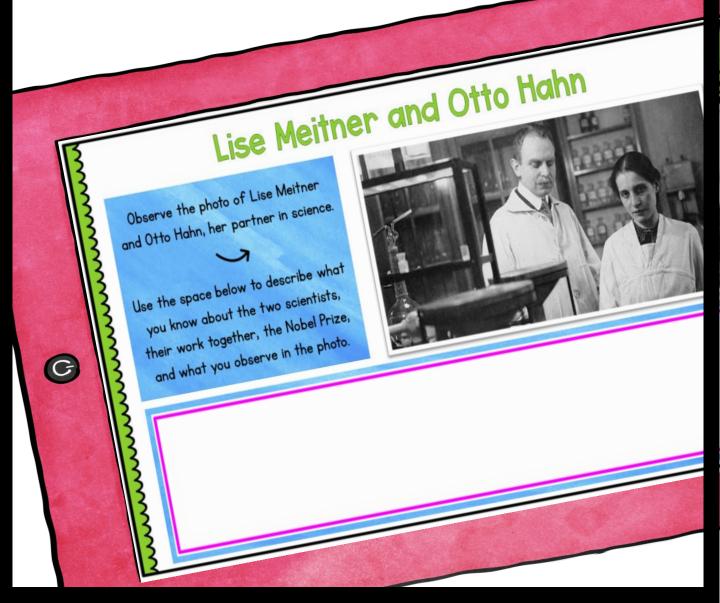


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Critical Thinking



Science



Reflection

Reflection & Comparison

- Reflect on all of the information you've learned about Marie Curie, Chien-Shiung Wu, and Lise Meitner.
- On the next slide, compare the three individuals' experiences as women in the field of science (or more specifically, physics).
- Consider factors such as <u>identity</u>, <u>respect</u> <u>& recognition</u>, <u>access to school/education</u>, <u>culture</u>, <u>sacrifices</u>, <u>studies of physics</u>, and the ways in which we <u>remember</u> them.









