

WOMEN PHYSICISTS



CHIEN-SHIUNG WU



MARIE CURIE



LISE MEITNER

VIRTUAL biography



TRACK LEARNING



Collect stickers on your journey to track your progress as you learn about Women physicist who studied specific kinds of physics.

Let's take a trip around the world to learn about 3 incredible physicists!



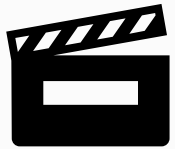
As we explore Marie Curie, Chien-Shiung Wu, and Lise Meitner, take some photos with your camera. After each section, paste the photo into the correct frame.

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

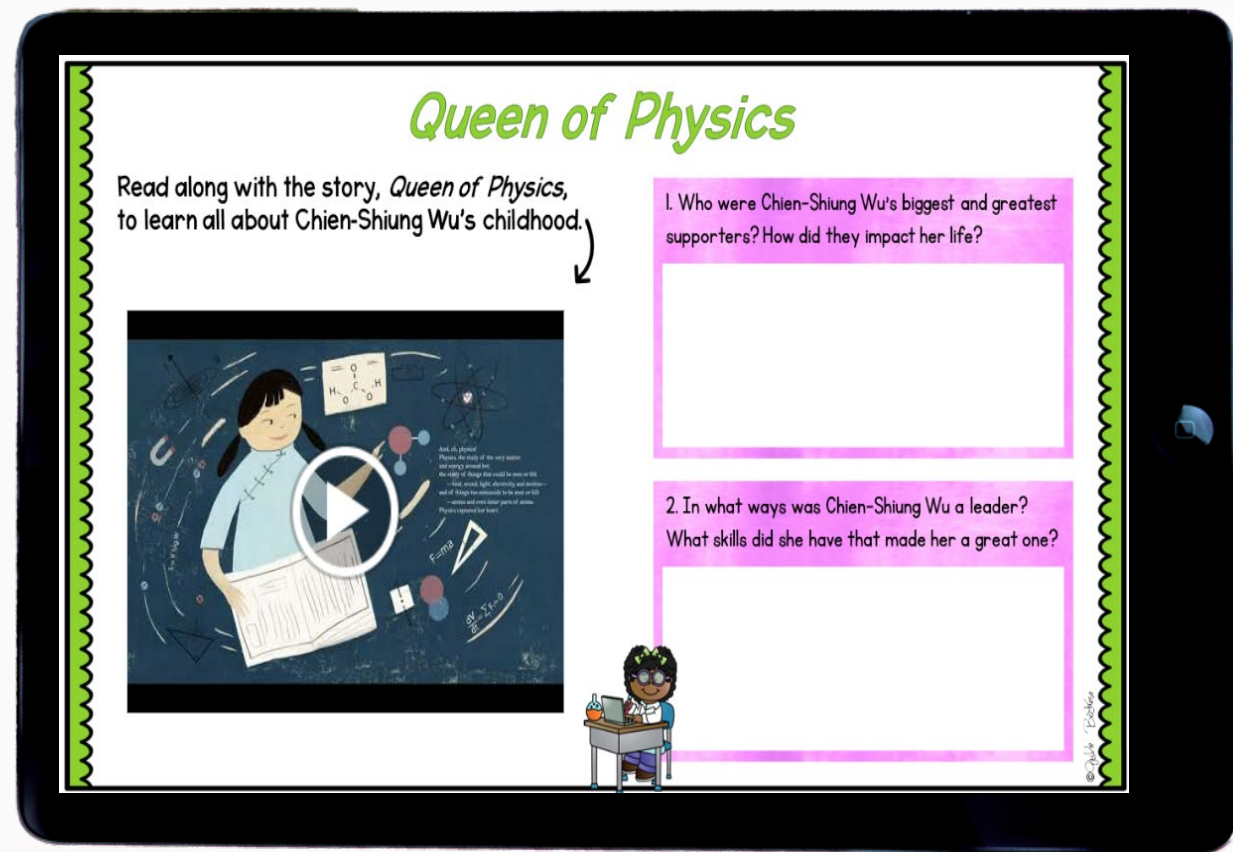
Let's Explore!



MULTIMEDIA



Engaging videos, photos,
and multimedia to
introduce key concepts.



YEE  HAW



INTEGRATES READING



Short reading passages
build background and
introduce key vocabulary.



What Is Physics?

Do you know anything about physics?
Write what you know or think about
physics!

Click [here](#) to read about the subject of physics!
As you can see, there are many different subjects
within the field of physics that all help us explore
and understand the world around us.

Physicists are scientists who study physics. Some
physicists study specific kinds of physics, such as
Lise Meitner, who studied nuclear physics. Other
physicists study multiple kinds of physics, such as
Chien-Shiung Wu, who studied particle physics and
nuclear physics. Then, there are physicists who
also study multiple kinds of science, such as Marie
Curie, who was both a physicist and a chemist!



 **Timeline** 

Check out the timeline below! It shows the years that three incredible female scientists lived and contributed to the field of physics. Then, answer the questions below.

Scientist	Start Year	End Year
Lise Meitner	1878	1968
Marie Curie	1867	1934
Chien-Shiung Wu	1912	1997

1. During what years were all three physicists alive at the same time?

2. Which scientists might have been inspired by the other(s)? Which ones may have worked together?

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INTRODUCES & REINFORCES TIMELINE

Learn a method of highlighting important historical dates, terms, figures, and events in a chronological fashion.



CRITICAL THINKING



Students dive deep into the topic, practicing key skills such as comparing, drawing conclusions, and make judgements.

Making Observations



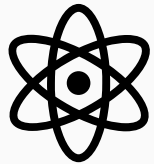
Observe the photograph of Chien-Shiung Wu in 1958 at a science fair at Columbia University. She is with another professor and several students. Make three detailed observations about the photograph. What do you see?
Who do you see? Who is speaking?

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SCIENCE



Integrates Science
content throughout!

Connects Chien-Shiung
Wu, Marie Curie, and
Lise Meitner's career
to Science.

Lise Meitner and Otto Hahn

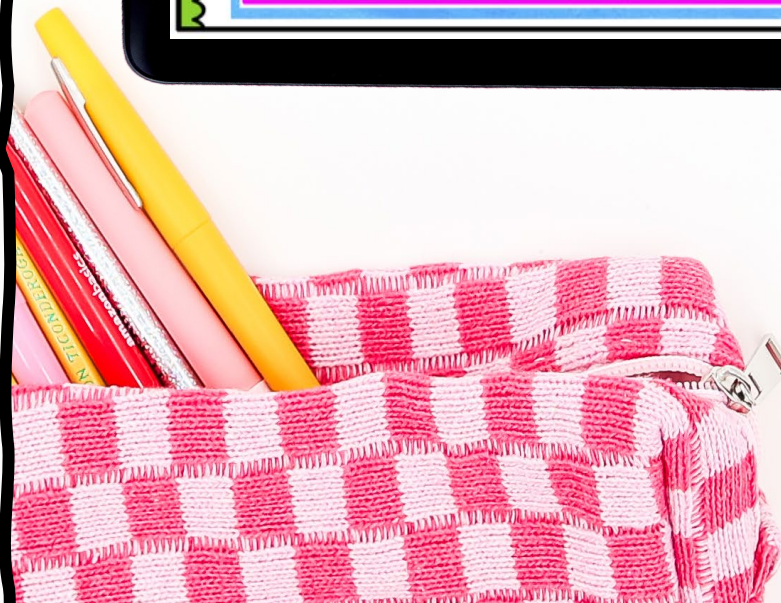
Observe the photo of Lise Meitner
and Otto Hahn, her partner in science.



Use the space below to describe what
you know about the two scientists,
their work together, the Nobel Prize,
and what you observe in the photo.



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REFLECTION

Reflect on all of the information you've learned about Marie Curie, Chien-Shiung Wu, and Lise Meitner, then compare the three individuals' experiences as women in the field of science.

Reflection & Comparison

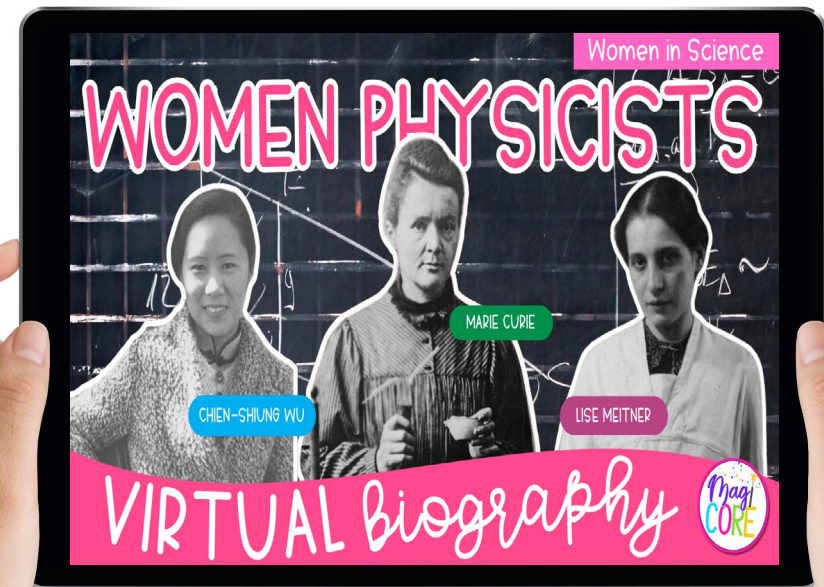
1. Reflect on all of the information you've learned about Marie Curie, Chien-Shiung Wu, and Lise Meitner.
2. On the next slide, compare the three individuals' experiences as women in the field of science (or more specifically, physics).
3. Consider factors such as identity, respect & recognition, access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



Suggested Uses

- Assign in Google Classroom or SeeSaw
- Whole Class Activity
- Small groups or center
- Early Finisher
- Incentive or Fun Friday

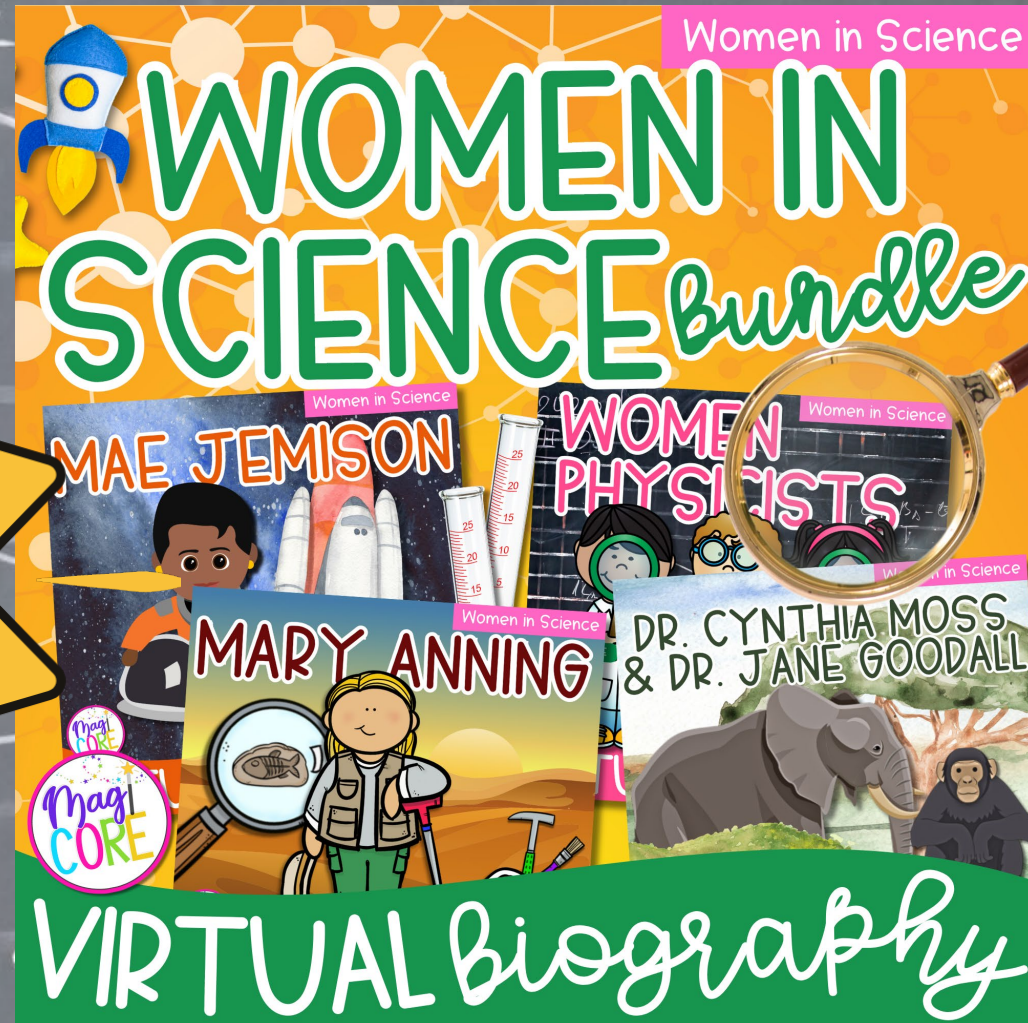
Google Slides and SeeSaw



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Click the picture
to preview!