



Day 5: America and Beyond





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Marie and Pierre Curie Interactive Story Ideas!



Background scene:

Play this video in the background on a big screen, smart board, or laptop.

12 HOURS of Amazing Niagara Falls ~ Breathtaking Nature Scenery & Waterfall Sounds (No Music) (<https://www.youtube.com/watch?v=kg3EIG-H7Wo&t=16536s>)



Storytelling Role-Play: 1-5 sand dollars each

(2 Students to help cut out props and 6 students to role play)

Ask for 2 girl volunteers and 2 boy volunteers to portray Marie Curie, Marie Meloney, Irene and Eve. Make a designated area for the ship and an area a little farther away to show America, the White House and Niagara Falls. Let students listen for their part and act out what is happening in the story.



New word: 1-5 sand dollars

Precision: Precision means the exact measurement. To do something precisely means to do it with a lot of detail. In science, precision can often be very important. Marie was very precise in her measurements.

*Remind the students that they can earn a sand dollar if they tell you at the end of the story what the new word means. If they get it wrong remind them of the definition and have them try again in a few minutes.

Day 5: Marie and Pierre Curie

It is 1921, and Marie is going to America to get a gift from the women of America and the Girl Scouts who have raised money to help Marie with her research. (Donation box prompt, collect lots of donations for Marie!)

By now, the radium Marie holds so close is beginning to show its impact on her health.

Radium in the right amounts and with the right protection can do amazing things like help cure cancer. But we now know that unprotected exposure—like carrying it in your pocket, can be deadly.

Nobody knew it then because Marie and Pierre were the first ones to discover it. She has a nagging cough and her health is getting worse, say doctors. (Use the vial prompt again).
Medicine doesn't help. (Cough syrup prompt; keep coughing)



Questions/Reading discussion: 1-5 sand dollars

(Students can earn a sand dollar for discussion participation)

Ask: Who raised money for the gram of radium?

Example: The women of America.

Ask: Why is Marie sick?

Example: Because she has been handling radium without protection for years.

Day 5: Marie and Pierre Curie

(Ticket prompt, show your ticket and board the designated ship area). Marie loves America! She meets President Warren G. Harding (Visitor card prompt, attach it to your chest with tape and enter the White House) and receives the precious gift, thrilled about the work ahead.

She enjoys Niagra Falls, Irene goes hiking and Eve reads (Boots and travel magazine prompt, read and reflect). She visits universities and speaks to lots of students, inspiring them to become amazing scientists, just like her.

The element radium they discovered now helps save people with cancer and Marie and Pierre's discoveries have changed our world in lots of important ways.

Marie and Pierre stood up for each other, and enjoyed doing their work together. They were friends, partners and they worked hard and loved each other. Theirs is a story that glows.



Questions/Reading discussion: 1-5 sand dollars

(Students can earn a sand dollar for discussion participation)

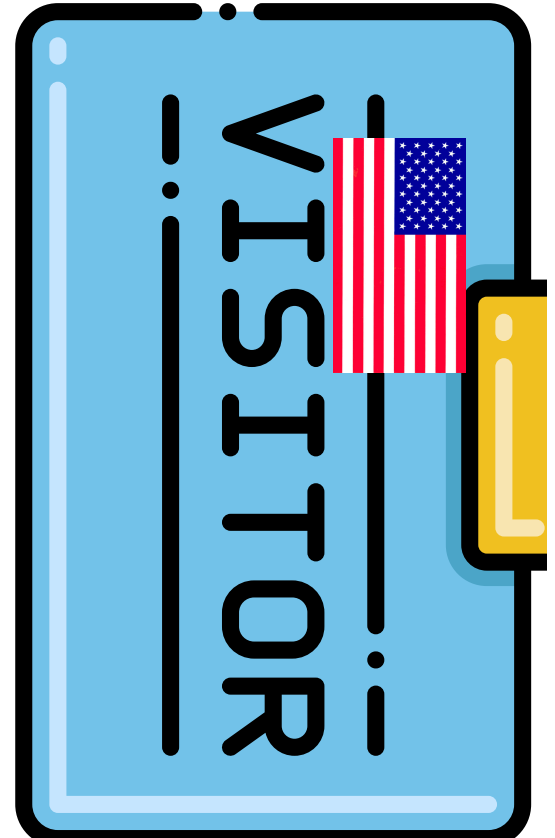
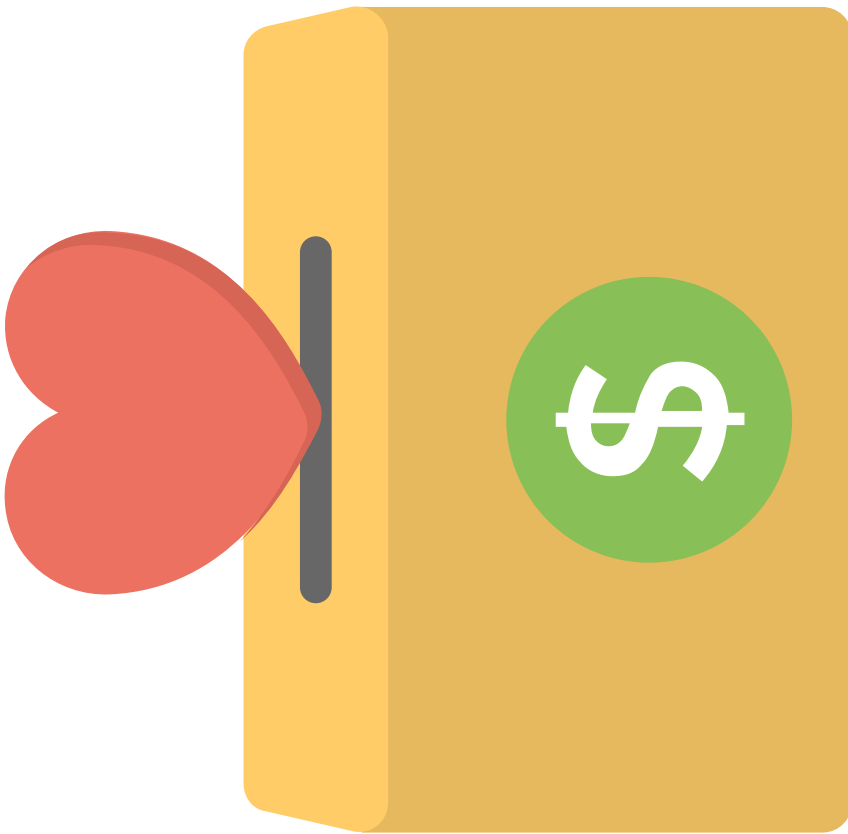
Ask: Does Marie like it in America?

Example: Yes! She loves it!

Ask: How do you think Pierre would have felt when Mary received the radium? Why? Answers will vary.

✂ Cut out this donation box for the women to gather funds.

✂ Cut out this visitor pass for Marie to take to the White House.



✂ Cut out this boarding pass for the ship.

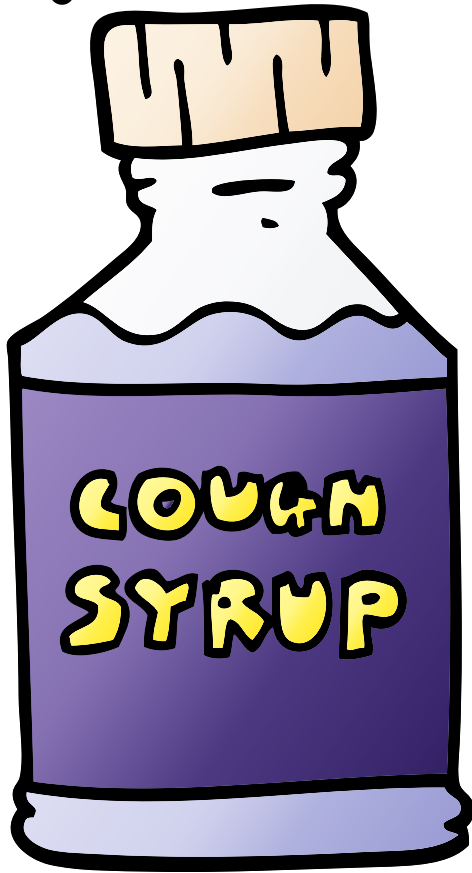
Marie Curie: Put on this visitor badge when you go to the White House.

Marie Meloney: Take this donation box to lots of girl students in the class and explain you are collecting donations for Marie Curie to have radium.

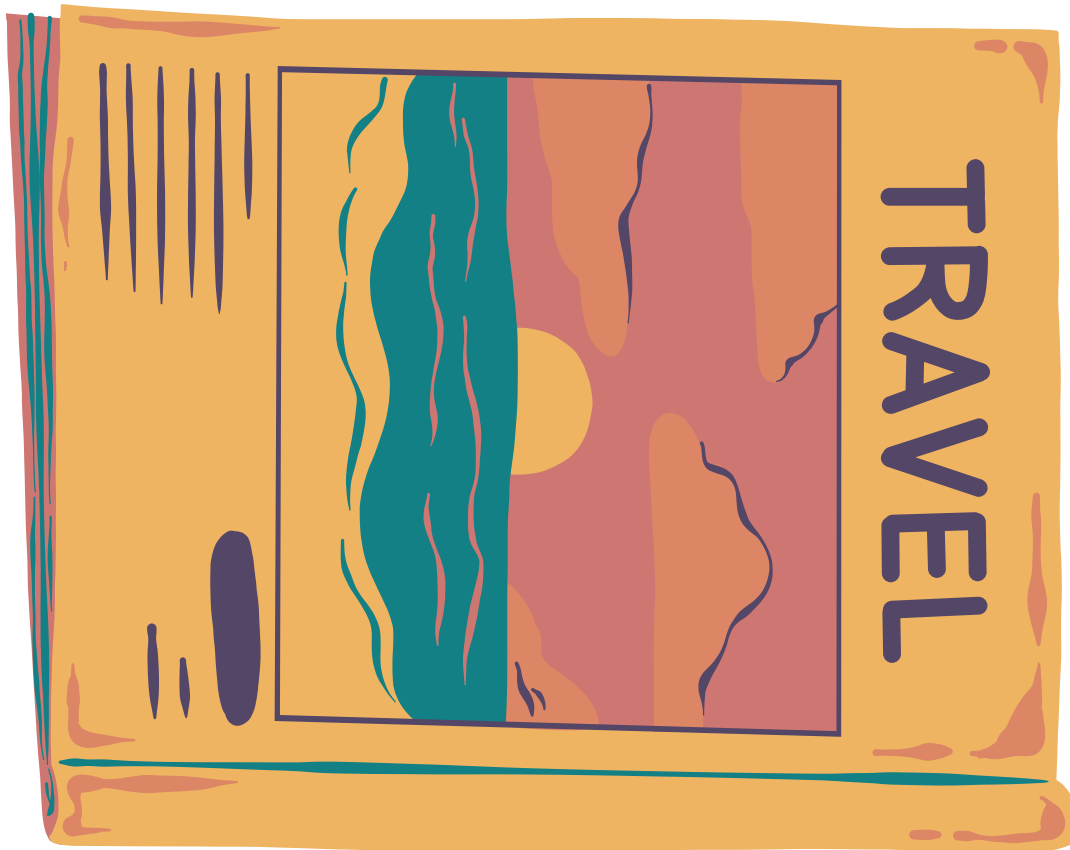
Marie: Tuck this boarding pass under your arm and get on a ship to America. Hold your daughters' hands.



Cut out this cough syrup for Marie.



Cut out these boots for Irene to go hiking.



Cut out this magazine for Eve to read.

Irene: Wear these boots taped to your shoe and explore. Say: "I wonder what elements Mother could find HERE!"

Marie: Have this cough syrup but keep coughing.

Eve: Read this magazine and say, "I would love to write about all these adventures when I grow up!"



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