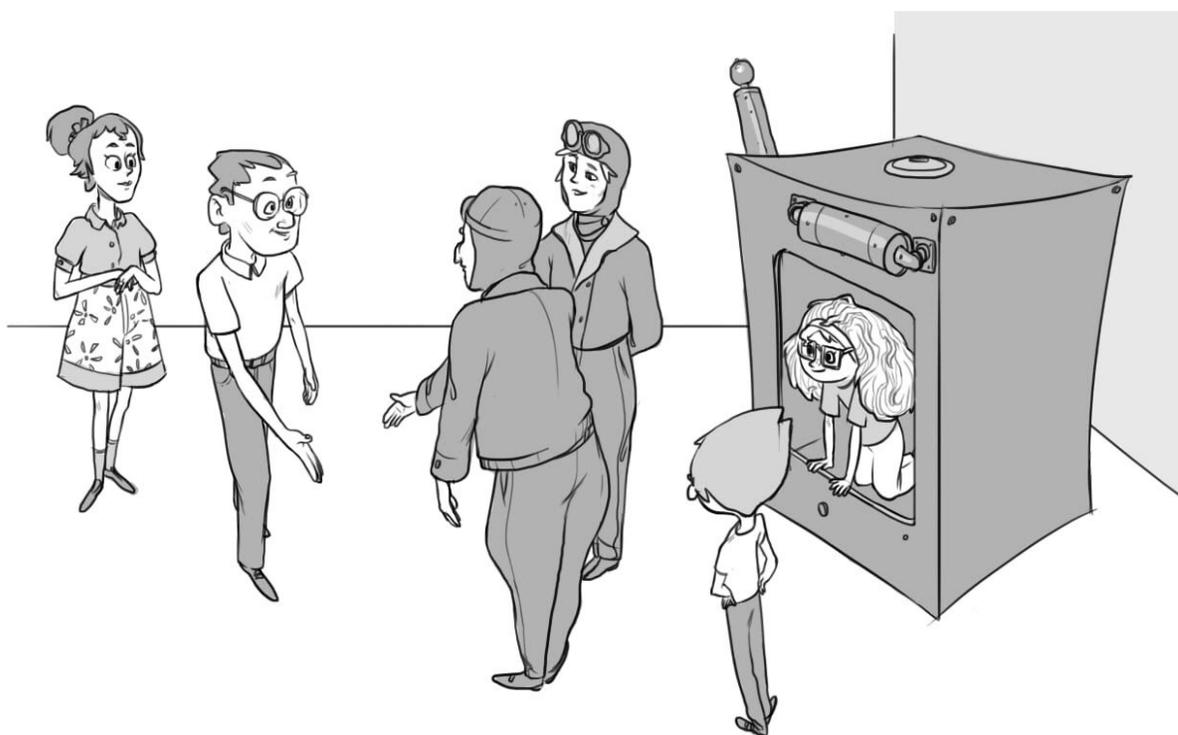


NELLIE NOVA'S GUIDE TO AMELIA EARHART

A unit study to accompany *Nellie Nova Takes Flight* by Stephenie Wilson Peterson
Characters and story created by Stephenie Wilson Peterson
Art by Eli Dahger and Jo Painter

AMELIA EARHART

In *Nellie Nova Takes Flight*, Nellie wanted to use her time machine to meet amazing women who changed the world. The first woman Nellie wanted to meet was Amelia Earhart. Let's learn a bit more about who Amelia was and why Nellie admired her so much.



A QUICK GUIDE TO AMELIA EARHART



-Amelia Earhart was born July 24th, 1897, in Atchison, Kansas, USA.

-She was the daughter of Samuel "Edwin" Stanton Earhart and Amelia "Amy" Earhart.

-She had a sister named Grace Muriel Earhart.

-She was known as a tomboy and liked to play outside as a child.

-Amelia's family moved a lot when she was growing up.

-Amelia held many different jobs, including nurse's aide and social worker.

-Her first plane was a second hand, bright yellow Kinner Airster biplane, which she nicknamed "The Canary."

-On May 15th, 1923, she became the 16th woman to receive a pilot's license.

-On October 22nd, 1922, Amelia broke the women's altitude record by flying 14,000 feet in the sky.

-On June 17th and 18th, 1928, she became the first woman to fly across the Atlantic.-In the fall of 1928, Amelia published a book, *20 Hours, 40 Minutes*.

-On June 25th, 1930, she set the women's speed record for 100 kilometers.

-On February 7th, 1931, Amelia married George Putnam.

-On May 20th–21st, 1932, Amelia became the first woman to fly solo across the Atlantic. It took her 14 hours, 56 minutes.

-August 24th–25th, 1932, Amelia became the first woman to fly solo nonstop from one coast of the USA to the other.

-In the fall of 1932, Amelia was elected the president of the Ninety Nines, a women's aviation group. She played a large role in the formation of this group.

-On January 11th, 1935, she became the first person to fly across the Pacific between Honolulu, Hawaii, and Oakland, California, solo.

-On June 1st, 1937, Amelia started her flight around the world.

-On July 2nd, 1937, Amelia Earhart disappeared with her navigator, Fred Noonan, near Howland Island, never to be found again.

AMELIA EARHART QUOTES

“Please know I am quite aware of the hazards,” she wrote in a letter to her husband. “I want to do it because I want to do it. Women must try to do things as men have tried. When they fail, their failure must be but a challenge to others.”

“Adventure is worthwhile in itself.”

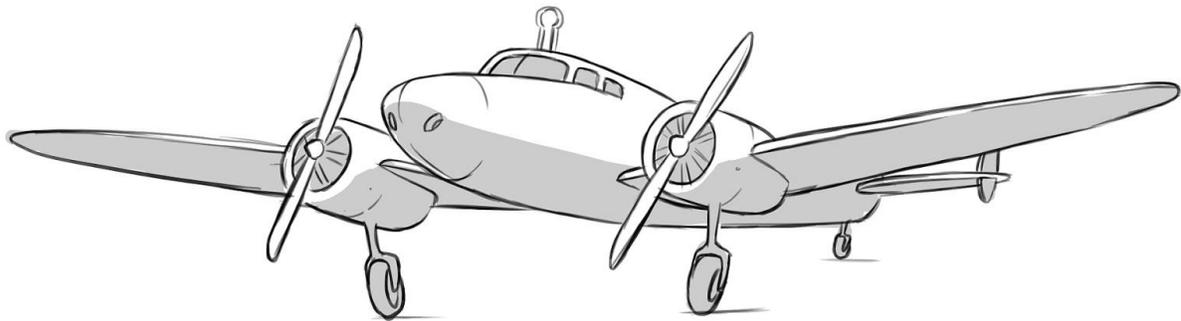
“The most effective way to do it, is to do it.”

“Never interrupt someone doing what you said couldn't be done.”

“Courage is the price that life exacts for granting peace.”

WRITE

Imagine you are flying alone across the Pacific Ocean, as Amelia did. How do you feel? What might go through your mind as you fly for so long over the vast sea?



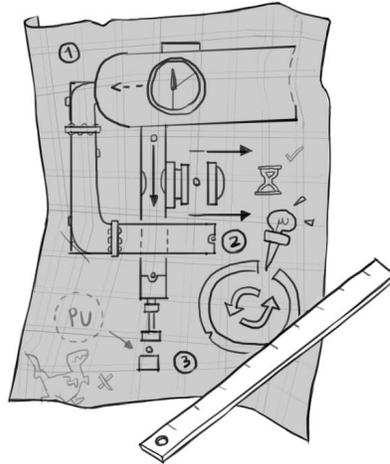
CREATE

Amelia once said, “Adventure is worthwhile in itself.”

Draw a picture, build a diorama, build with clay, or paint a work of art based on what you feel when you read that quote. Think about the adventures you've had or wish to have.



EXPLORE



Build paper airplanes and learn about aerodynamics!

Merriam-Webster defines the word *aerodynamics* as: “1. a science that studies the movement of air and the way that objects (such as airplanes or cars) move through air; 2. the qualities of an object that affect how easily it is able to move through the air.”

Explore different methods of building the planes so that they are aerodynamic. What happens if you make the nose of the plane heavier? The tail? What if you use a thicker paper? A thinner paper? What about shape? Does the plane fly differently if you try different folds? Measure the flights of each plane you make and graph your results. Research how these methods compare with how real planes are designed.

How do airplanes work? What do you know now? What can you find out? Have an adult help you find out more about airplanes using the internet, the library, or documentaries.

Keep learning by building a parachute!

What you'll need:

String

Small items to be used as weights (These can be anything from washers to action figures to spools of thread. Anything small will do.)

A few light materials (newspaper, plastic bags, coffee filters, etc.)

Build a few parachutes. The basic construction is fairly straightforward. Try making the strings longer or shorter, or using different materials and weights. Does it matter how many strings you attach to your parachute? Does the spacing of the strings matter? Test your parachutes out by dropping them from high places. Which of your versions of a parachute works best? Why do you think this is?

Build a compass!

A compass is an important navigational tool for pilots, and useful for anyone who wants to explore the world. A compass uses magnetic forces to determine which direction is north. You can build your own compass with a few simple household items:

- A needle or sewing pin
- A magnet
- A piece of foam, cork, or paper
- A bowl
- Water

Get the instructions for this fun and easy project, along with more information about compasses, here:

<http://kidsactivitiesblog.com/28674/make-a-compass>.

WONDER

Why was it such a big deal for Amelia to complete the tasks she did? What was different in her time from our own? Why did it matter that Amelia was a woman? If you were Nellie Nova and you could go back to Amelia's time, what differences might you notice in the way women were treated then versus how they are treated today? Do you think that Amelia Earhart changed the world by stepping into a role that had been filled by men?

RESOURCES



Check out these books and websites to keep learning!

Amelia Earhart, by Tanya Lee Stone (DK Publishing)

Flight, by Andrew Nahum (DK Eyewitness Books)

Who Was Amelia Earhart?, by Kate Boehm Jerome (Grosset & Dunlap)

Women Aviators: 26 Stories of Pioneer Flights, Daring Missions, and Record-Setting Journeys, by Karen Bush Gibson (Chicago Review Press)

www.ameliaearhart.com

www.classroomjr.com/amelia-earhart-for-kids

www.funpaperairplanes.com

www.grc.nasa.gov/www/k-12/UEET/StudentSite/dynamicsofflight.html

www.stepheniepeterson.com

CHECK OUT WWW.STEPHENIEPETERSON.COM FOR MORE ABOUT NELLIE, NILES, AND THEIR ADVENTURES!

