

Those Fascinating Judges—Research

Unit 4 Lesson 2

Standards & Objectives

- **Reading** – I can complete close reads of several inventor biographies and will be able to summarize, refer to details, and draw inferences from these texts. [RI.4.1; RI.4.2]
- **Writing** – I can draw evidence from inventor biographies to support my own research. [W.4.9]



Welcome to Eureka!



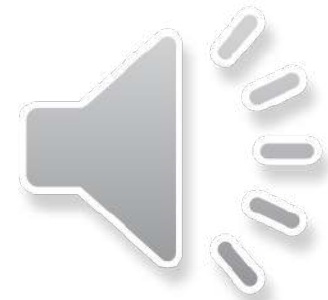
**A Note from George Washington Carver:**

Welcome, seedlings! There are many ways to conduct research—for instance, in the field, in the lab, and in the library! In this Quest you will learn from some of the greatest inventors in all of history! That is the beauty of having a television show! These inventors like being mentioned on TV, so they will offer their advice for free, which is good since the producers slashed our budget this year. These inventors come from many different backgrounds and work in many different ways, but they all have very specific things to teach us about invention. Look to them for inspiration and practical suggestions when inventing on your own.

We don't want to be conceited, but perhaps your judges are a good place to begin learning about great inventors?

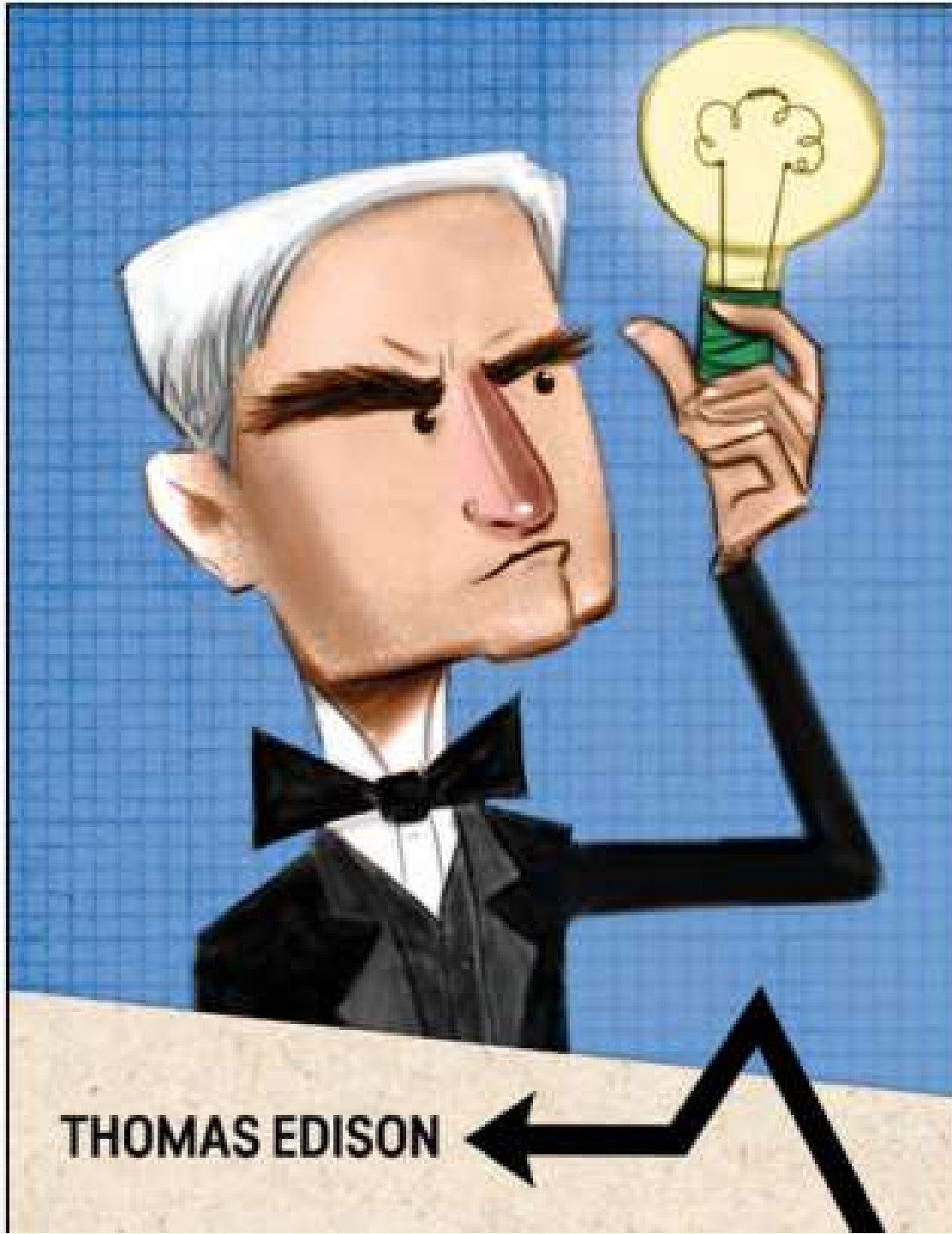
Sincerely,

George Washington Carver



THOMAS EDISON VOCABULARY

- **humble**, adj. not significant; modest
- **deter**, v. discourage
- **patent**, v. get a government license giving an inventor the right to be the only one to manufacture and sell his or her invention for a certain period of time
- **telegraph**, n. a machine that transmitted and received messages across great distances using electrical signals and wires. Messages were transmitted in codes that had to be received and translated by specially trained operators
- **marketing**, n. activities involved in advertising and selling a product
- **financiers**, n. people who give inventors money to develop and sell their products, in return for a portion of the profits
- **phonograph**, n. a machine that reproduces sound by means of a needle in contact with a grooved rotating disk



Name: Thomas Edison

Birthdate: February 11, 1847

Birthplace: Milan, Ohio

Invention(s):

Lightbulb, phonograph, microphone, telephone
transmitter, rechargeable batteries, kinetoscope,
cement manufacturing process

Describe a challenge or disappointment that this inventor faced.

Thomas Edison did not have much formal
education and he went to work at 12 years old.

Name one fact about this inventor or the story of his/her invention that you find interesting.

Thomas Edison learned from his mistakes and
his career was jumpstarted simply because he
was being kind.

JACQUES COUSTEAU VOCABULARY

- **rehabilitation**, v. recovery
- **aquatic**, adj. relating to water
- **avid**, adj. eager or excited
- **spearhead**, v. lead



JACQUES COUSTEAU

Name: _____

Birthdate: _____

Birthplace: _____

Invention(s): _____

Describe a challenge or disappointment that this inventor faced.

Name one fact about this inventor or the story of his/her invention that you find interesting.

George Washington Carver VOCABULARY

- **agricultural**, adj. relating to farming
- **optimistic**, adj. expecting a favorable outcome
- **arguably**, adv. able to be supported by a reasonable argument
- **botany**, n. the scientific study of plants
- **take root**, v. begin
- **botanist**, n. a scientist who studies plants
- **crop rotation**, n. yearly switching of which crops are grown on a piece of land

George Washington Carver VOCABULARY

- **fertile**, adj. capable of producing healthy plants
- **prestigious**, adj. highly respected
- **self-sufficient**, adj. able to take care of oneself
- **sharecroppers**, n. farmers who had to give part of their crop away as rent
- **profit**, n. (often financial) gain



GEORGE WASHINGTON CARVER ←

Name: _____

Birthdate: _____

Birthplace: _____

Invention(s): _____

Describe a challenge or disappointment that this inventor faced.

Name one fact about this inventor or the story of his/her invention that you find interesting.

Hedy Lamarr VOCABULARY

- **indifference**, n. lack of interest
- **synchronized**, adj. occurring at the same time
- **player piano**, n. a piano fitted with an apparatus enabling it to be played automatically
- **irk**, v. bother, irritate



HEDY LAMARR

Name: _____

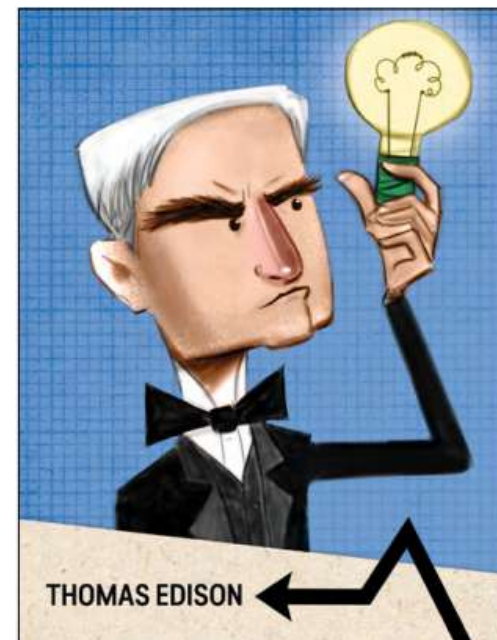
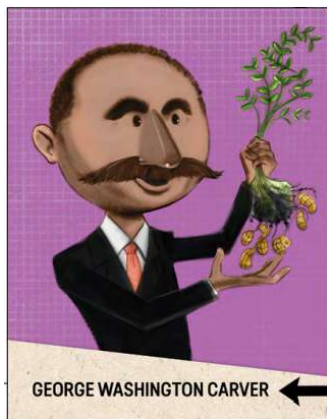
Birthdate: _____

Birthplace: _____

Invention(s): _____

Describe a challenge or disappointment that this inventor faced.

Name one fact about this inventor or the story of his/her invention that you find interesting.



KNOW YOUR JUDGES CHALLENGE

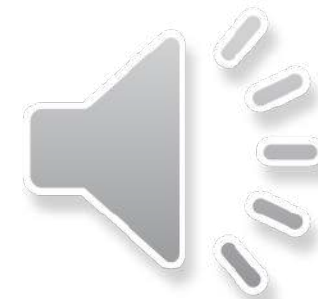


A Note from George Washington Carver:

Good work! We should look at another inventor while your research muscles are all warmed up. As the inventor of peanut butter, I am partial to tasty inventions—the very talented Ruth Wakefield, inventor of the chocolate-chip cookie, has graciously agreed to share her story of invention and the importance of careful research.

Sincerely,

George Washington Carver



Ruth Wakefield VOCABULARY

- **inventory**, n. a complete list
- **malfunctioning**, adj. not working properly
- **inventory**, n. a complete list
- **Irritation**, n
- **greasy spoons**, n. slang for cheap and unsanitary restaurants . the state of being annoyed
- **deliberately**, adv. on purpose



RUTH WAKEFIELD

Name: _____

Birthdate: _____

Birthplace: _____

Invention(s): _____

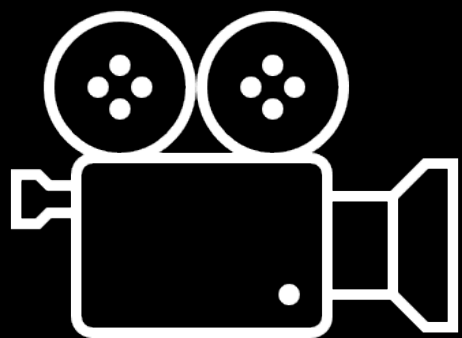
Describe a challenge or disappointment that this inventor faced.

Name one fact about this inventor or the story of his/her invention that you find interesting.

Ruth Wakefield



1. Why does Wakefield feel the need to “clear up some untruths”?
2. Why do you think the false stories about the chocolate-chip cookie are so widespread?
3. As a researcher, how do you think you can avoid being misled in this way?



INTROSPECTIVE INVENTORS

- Can you think of anything particularly clever or helpful that a lab mate did during the episode?
- What was a challenging moment, and how did you address it?
- What are you looking forward to?
- What is a lesson you'll take away from today and apply to the rest of the Quest?

EXIT TICKET

Who is your favorite inventor?
Why?