

Activity Page 1.1

Use with Chapter 1

Letter to Family

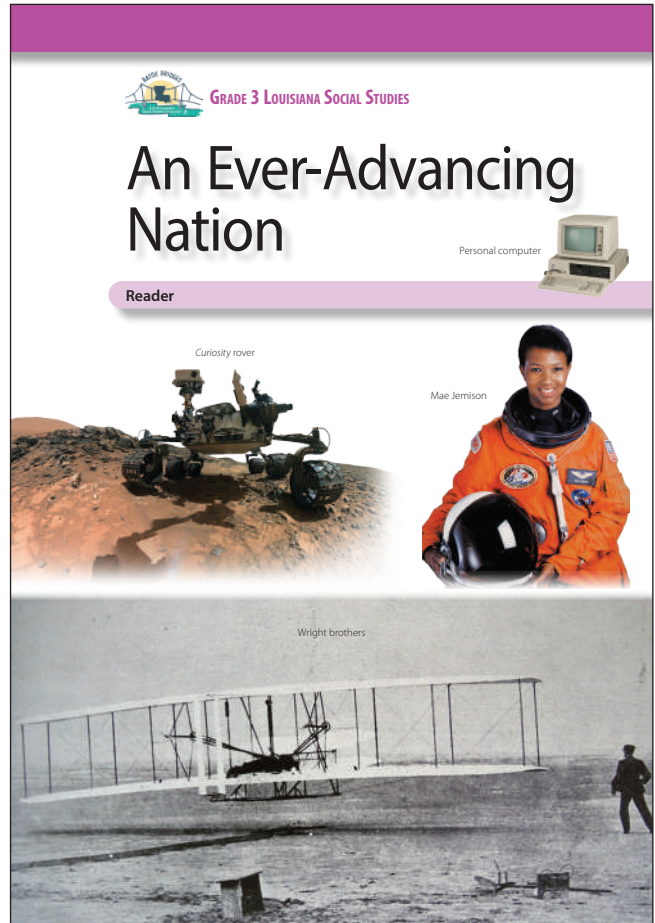
During the next few weeks, as part of our study of the Bayou Bridges Louisiana Social Studies Curriculum, your child will be learning about the Space Race and the digital age. They will learn about technology in the fields of air and space, as well as technology that impacts their everyday lives.

In this unit, students will discover how the race to become the first country into space fueled advancements in aerospace technologies, including humans' arrival on the moon. They will learn about subsequent trips to Mars and other exploration of the solar system. They will also learn about the scientific contributions of women at NASA. Students will investigate technologies that surround them every day, from radios and microwaves to smartphones and computers. They will come to know the origins of these technologies and will be better equipped to manage them as responsible citizens.

As part of their exploration, students will also learn a little bit about modern issues surrounding social media and other digital technologies. This information is presented in a factual, age-appropriate way rather than in a manner that suggests the value or correctness of any particular practice. The goal is to foster understanding of and respect for beliefs and practices that may be different from those with which students are familiar.

Sometimes students have questions regarding how the information they are learning relates to themselves and their own experiences. In such instances, we will encourage each student to discuss such topics with you. We recognize that the best place to find answers to those types of questions is with your family and the adults at home.

Please let us know if you have any questions.



Name _____ Date _____

Primary Source Analysis

<p>Describe the source.</p>	<p>Connect the source to what you know.</p>
<p>Understand the source. Identify its message, purpose, and/or audience.</p>	<p>Draw a conclusion from or about the source.</p>

SOURCE:

Name _____ Date _____

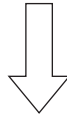
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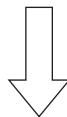
SOURCE:

Claims and Evidence

STATE THE CLAIM *What opinion or position are you defending?*



STATE THE REASON *Why should someone agree with this claim?*



IDENTIFY THE EVIDENCE *What details from the text and sources support the reason?*



RECOGNIZE A COUNTERCLAIM *What different opinion or position might someone have? What argument might be used against you?*

ANSWER THE COUNTERCLAIM *How will you disprove the counterclaim?*

Activity Page 2.1

Use with Chapter 2

Domain Vocabulary: Chapters 1–2

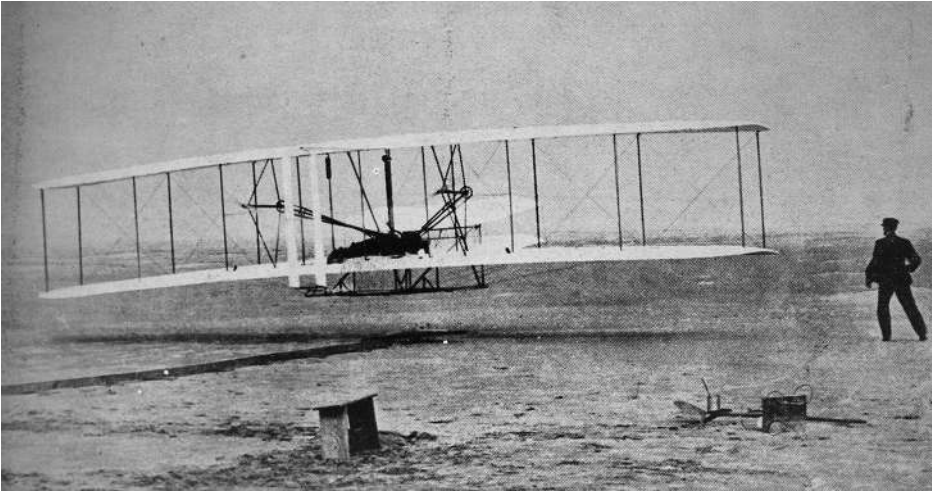
For each word, write the letter of the definition.

- | | | |
|-------|-----------------|---|
| _____ | 1. aviation | a) describes electronic technology that generates, processes, and stores information |
| _____ | 2. propeller | b) a device with blades that rotate to make an airplane move forward |
| _____ | 3. atmosphere | c) competition |
| _____ | 4. rivalry | d) a computer program that performs a particular task |
| _____ | 5. satellite | e) an object or vehicle intended to orbit Earth, the moon, or another celestial body |
| _____ | 6. rover | f) a vehicle used for exploring the surface of the moon or another planet |
| _____ | 7. equation | g) existing on a computer or online |
| _____ | 8. innovation | h) a statement showing how the values of two mathematical expressions are equal |
| _____ | 9. patent | i) the air surrounding Earth |
| _____ | 10. digital | j) a new idea or product |
| _____ | 11. application | k) the operation of aircraft |
| _____ | 12. budget | l) an amount of money available for spending based on a plan for how it will be spent |
| _____ | 13. virtual | m) a license from the government that gives a person the exclusive right to make, use, or sell an invention |

Assessment: Chapter 1—The Space Race

A. On your own paper, write the letter(s) that provides the best answer.

1. Use the image to answer the question.



The invention shown in the photograph was important to the development of what technology? (3.2, 3.6.a, 3.9)

- a) flight
 - b) Internet
 - c) smartphone
 - d) television
2. What was the first type of airplane engine used? (3.9)
- a) jet engine
 - b) rocket engine
 - c) propeller engine
 - d) gas-powered engine
3. What were the effects of the launch of *Sputnik*? Select the **two** correct answers. (3.2, 3.7)
- a) A human-made object orbited Earth.
 - b) A person traveled to space for the first time.
 - c) American scientists discovered new technologies.
 - d) The Soviet Union was surprised by American progress.
 - e) It seemed the United States was losing the Space Race.
4. What was the United States the first country to accomplish? (3.7)
- a) landing a person on Mars
 - b) sending a person into space
 - c) sending an object into space
 - d) landing a person on the moon

5. Use the image to answer the question.



What was notable about the object shown in the image? (3.7)

- a) It could be used only once.
- b) It could not leave Earth's atmosphere.
- c) It could withstand the harsh conditions of space.
- d) It could spy on other countries during the Cold War.

Use the image to answer questions 6 and 7.



6. Which scientific breakthrough was aided by the vehicle in the photograph? (3.2, 3.7)

- a) the landing of people on the moon
- b) the invention of computers and the Internet
- c) the discovery that Mars once had areas of water
- d) the ability to communicate instantaneously across oceans

7. Which is the main use of the vehicle in the picture? (3.7)
- a) defense
 - b) medicine
 - c) exploration
 - d) transportation
8. What work did Katherine Johnson do for NASA? (3.6.a, 3.7)
- a) She was a computer.
 - b) She was an astronaut.
 - c) She was a lab technician.
 - d) She was an aerospace scientist.
9. Use the image to answer the question.



- What was this woman the first to do? (3.6.a, 3.7)
- a) She was the first American woman to work for NASA.
 - b) She was the first American woman to travel into space.
 - c) She was the first American woman to land on the moon.
 - d) She was the first American woman to pilot a rover to Mars.

10. Use the excerpt to answer the question.

We choose to go to the moon. We choose to go to the moon in this decade and do the other things, not because they are easy, but because they are hard, because that goal will serve to organize and measure the best of our energies and skills, because that challenge is one that we are willing to accept, one we are unwilling to postpone, and one which we intend to win. . . .

Why was this speech by President Kennedy considered to be bold? **(3.2, 3.3.a, 3.7)**

- a)** He gave it in front of a large group of people.
- b)** He was not willing to listen to others' viewpoints.
- c)** He promised something that seemed impossible.
- d)** He would not accept that people did not want to listen to him.

B. On your own paper, write a well-organized paragraph in response to the following prompt:

The United States won the Space Race. Use evidence from the chapter to support or refute this claim. **(3.2, 3.4.a, 3.4.b, 3.4.c, 3.7)**

Assessment: Chapter 2—The Digital Age

A. On your own paper, write the letter(s) that provides the best answer.

1. What did Alexander Graham Bell's invention do? (3.2, 3.9)
 - a) send a wireless communication
 - b) view moving images on a screen
 - c) access information over the Internet
 - d) speak to someone across a great distance
2. What communication technology did Guglielmo Marconi innovate? (3.2, 3.9)
 - a) Internet
 - b) radio
 - c) telephone
 - d) television
3. Use the image to answer the question.



Which historic event were Americans able to view because of the invention in this image? (3.2, 3.7, 3.9)

- a) the first use of a microwave
- b) astronauts landing on the moon
- c) radio waves traveling over the ocean
- d) Alexander Graham Bell using his telephone

4. Which statements about the microwave are true? Select the **two** correct answers. (3.9)
- a) It was invented by Percy Spencer.
 - b) It could not keep up with cell phone technology.
 - c) It now helps people navigate from place to place.
 - d) It was first shared with the inventor's assistant, Watson.
 - e) It changed the way Americans prepared and consumed food.
5. Use the image to answer the question.



- What global event led to the development of the technology shown in this image? (3.2, 3.5, 3.9)
- a) World War I
 - b) World War II
 - c) the World's Fair
 - d) the moon landing
6. What helped personal computers become smaller, faster, and more affordable? (3.2, 3.9)
- a) the race to reach space
 - b) a need to win a world war
 - c) an exhibition at a World's Fair
 - d) competition among computer companies

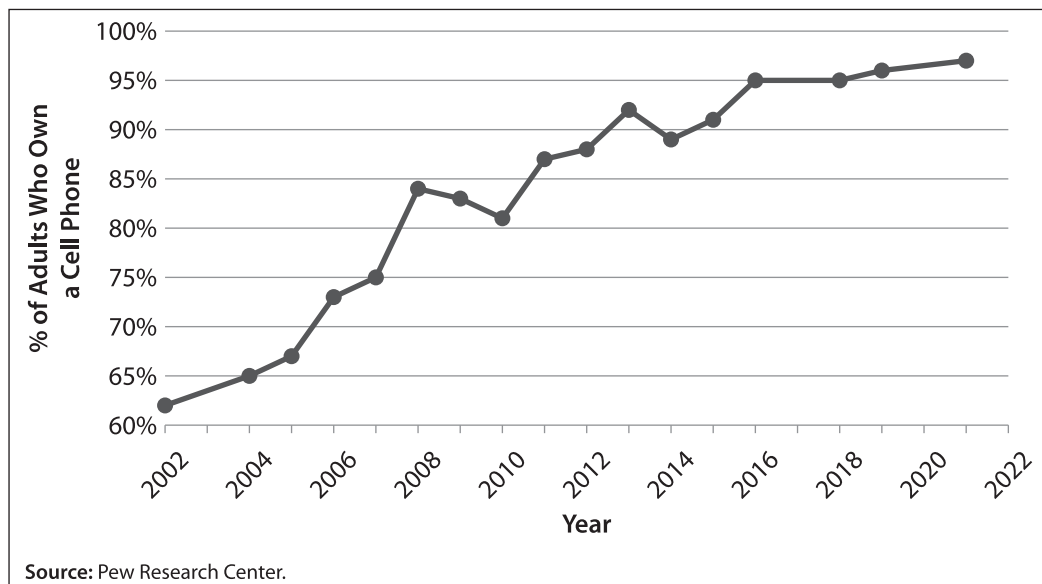
7. Use the image to answer the question.



How has this invention changed the way people live? (3.2, 3.5, 3.9)

- a) People can now talk to people who are far away.
 - b) People can now cook food in a fraction of the time.
 - c) People can now perform tasks over the Internet from anywhere.
 - d) People can now solve mathematical problems with only pen and paper.
8. Why have digital technologies made budgeting important? (3.2, 3.9, 3.18)
- a) Digital technologies are necessary to be able to manage a budget.
 - b) Digital technologies do not work if a person does not have a budget.
 - c) Digital technologies are often poorly made, so they require a budget to repair.
 - d) Digital technologies can be expensive, so a budget is important when purchasing.

Use the graph to answer questions 9 and 10.



9. What percentage of American adults owned a cell phone in the year 2005? (3.3.a, 3.9)
- a) 50 percent
 - b) 67 percent
 - c) 75 percent
 - d) 94 percent
10. Which statement describes what has happened to the percentage of American adults who own a cell phone from 2002 to 2021? (3.3.a, 3.5, 3.9)
- a) It has increased.
 - b) It has decreased.
 - c) It has stayed the same.
 - d) It increased, then decreased.

B. On your own paper, write a well-organized paragraph in response to the following prompt:

How has digital technology changed the world? Use evidence from the chapter to support your claim. (3.2, 3.4.a, 3.4.b, 3.4.c, 3.5, 3.9)

Name _____

Date _____

Performance Task Activity: *An Ever-Advancing Nation*

Which single piece of technology has had the greatest impact on people in the United States? Write an essay using specific examples to support your response.

Use the Claims and Evidence Activity Page (AP 1.3) and the lines below to take notes and organize your thoughts. Remember to include details from the chapters and primary sources in *An Ever-Advancing Nation*, as well as from the sources and resources in the unit activities.
