

# An Ever-Advancing Nation

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**Student Workbook** 



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# **Chapter 1: The Space Race**

Framing Question: How did the Space Race impact the United States?

## **Student Reading Notes**

Use the information in your Student Reader to fill in the chart.

Section	Notes
The First Flight	
Flight Evolves	
The Space Race	

Exploring the Solar System	
Mars Rover Missions	
Women at NASA	

### **Primary Sources**

# PRIMARY SOURCE A: EXCERPT FROM PRESIDENT KENNEDY'S ADDRESS ON THE SPACE EFFORT (1962)

On September 12, 1962, President John F. Kennedy told an audience at Rice University in Houston, Texas, that Americans would put a man on the moon before the end of the decade. Just a year before, a Russian astronaut had become the first human to orbit Earth.

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...

Source: Kennedy, President John F. "Address at Rice University on the Space Effort (Sept. 12, 1962)."



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	Connect the source to what you know.		Draw a conclusion from or about the source.	
Primary Source Analysis		SOURCE:		
	Describe the source.		Understand the source. Identify its message, purpose, and/or audience.	

<b>Chapter 1</b>	<b>Check for Understanding</b>	: How did the	Space Race i	impact the	United States?

# **Chapter 2: The Digital Age**

Framing Question: How have digital technologies affected Americans?

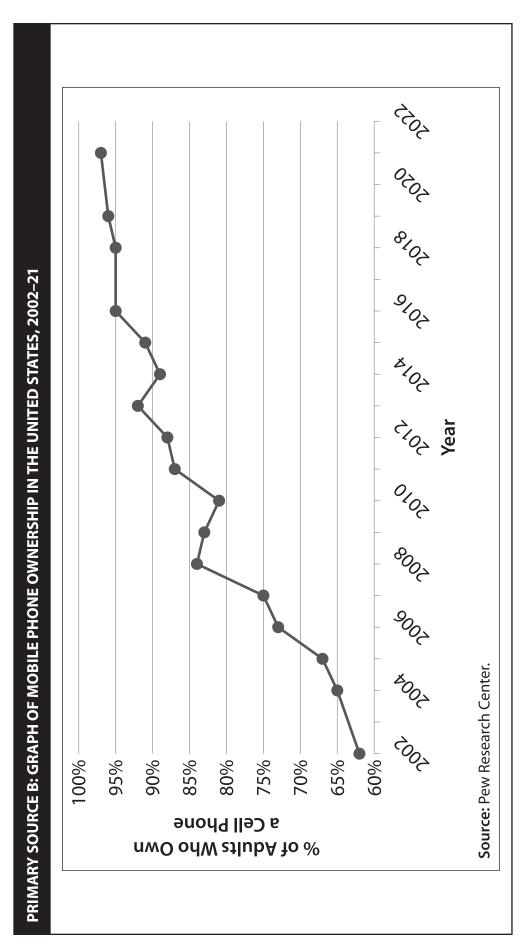
## **Student Reading Notes**

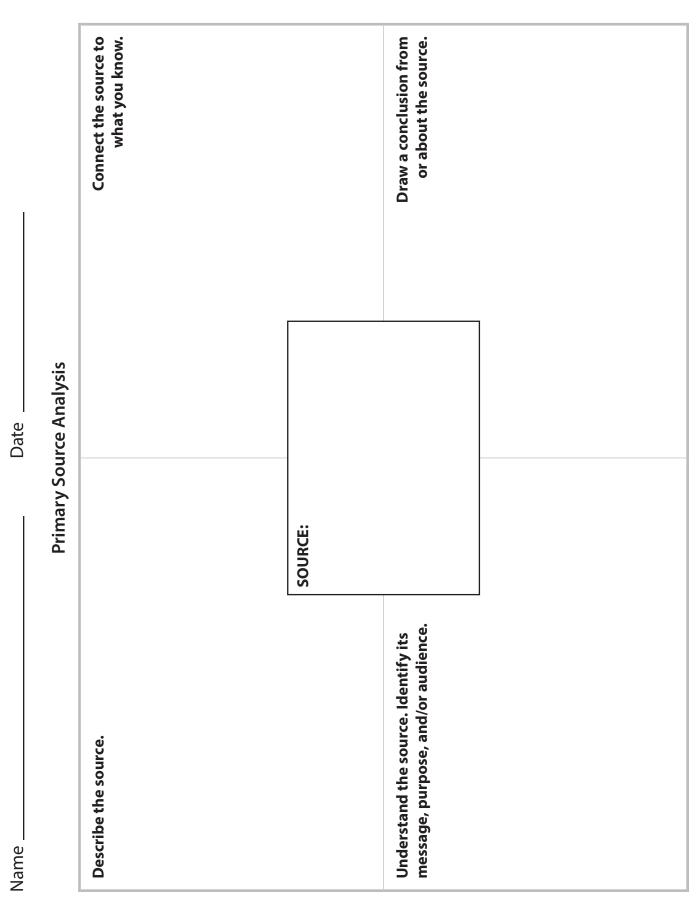
Use the information in your Student Reader to fill in the chart.

Section	Notes
The First Telephone Call	
Radio	
Television	

Microwaves	
Early Computers and the Digital Age	
Smartphones and the Internet	
Smart Decisions	







Chapter 2 Check for Understanding: How have	e digital t	technologies affe	ected Americans?
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## 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. 3.	propeller atmosphere	b)	a device with blades that rotate to make an airplane move forward
 4.	rivalry		competition 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. 7.	rover equation	f)	a vehicle used for exploring the surface of the moon or another planet
 8.	innovation	-	existing on a computer or online
 9.	patent	n)	a statement showing how the values of two mathematical expressions are equal
 10.	digital	i) i)	the air surrounding Earth a new idea or product
 11.	application		the operation of aircraft
 12.	budget	I)	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

# 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.

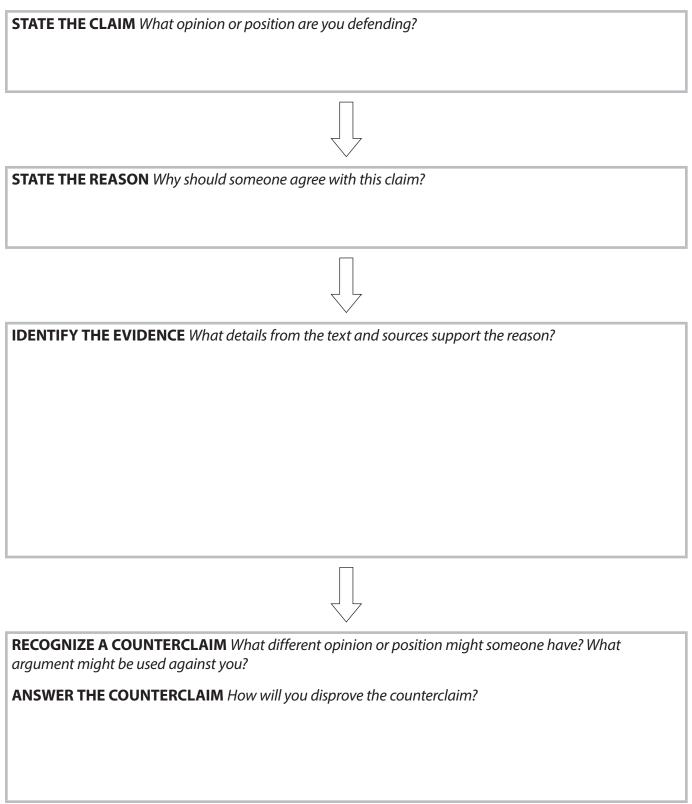
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# Activity Page 1.3

Use with Performance Task

## **Claims and Evidence**



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