

# 4<sup>th</sup> Grade Wonders

## Unit 4 Week 3



Mrs. Jones

**Essential Question:**  
How do inventions and technology affect your life?

### Spelling - Focus: Words with /ü/ /u/ /ū/

#### Standard List

1. crew	2. juicy	3. suits	4. should	5. huge
6. stoop	7. zoom	8. stew	9. ruler	10. produce
11. issue	12. tutor	13. truth	14. bruised	15. group
16. you'll	17. crook	18. wool	19. municipalities	20. cozily

#### Challenge List

1. crew	2. juicy	3. suits	4. should	5. unicorn
6. boost	7. doodle	8. smooth	9. shrewd	10. parachute
11. produce	12. tissue	13. truthful	14. tutorial	15. mute
16. bruising	17. cruising	18. communication	19. municipalities	20. cozily

#### Super Spellers

1. humility	2. humongous	3. barbeque	4. amusing
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### Vocabulary

<b>decade</b>	A period of ten years
<b>directing</b>	Giving instructions, commanding, or ordering
<b>engineering</b>	Work that uses scientific knowledge to make practical things, like bridges
<b>gleaming</b>	Shining, glowing
<b>scouted</b>	To have looked at or explored to find more information
<b>squirmed</b>	To have turned and twisted one's body
<b>technology</b>	The use of science for practical purposes, especially in engineering
<b>tinkering</b>	Puttering in an aimless way

#### Challenge Words

<b>lunar</b>	Relating to the moon
<b>maneuver</b>	To skillfully guide, move, or control something
<b>navigation</b>	The science of knowing how to plot a course for an aircraft or spacecraft
<b>newfangled</b>	Something that is new and different than what one is used to
<b>orbit</b>	The path an object in spaces takes while it moves
<b>pell-mell</b>	In a confused, rushed, or disorderly manner
<b>simulation</b>	An artificial setup that imitates a real situation



## Latin Root-a-Toot

Root (Origin)	Meaning	Sample Word
deca (L)	Ten	decade
ingeniare (L)	Inventor, designer	engineering
manuoperare (L)	To work with one's hands	maneuver
navigacionem (L)	Sailing, voyage	navigation
simul (L)	Like, resemble	simulation
orbita (L)	Track, path	orbit
lunaris (L)	Of the moon	lunar

### Latin Roots Connections

President Kennedy was hopeful **engineers** could invent a spacecraft that would allow astronauts to **navigate** a **lunar** landing before the end of the **decade**. This dream would require scientists to create **simulators** that would help the astronauts learn how to **maneuver** the equipment in a weightless environment.

### Strategies and Skills Focus

<b>Genre</b>	Historical fiction <ul style="list-style-type: none"> <li>• Has realistic characters, events, settings</li> <li>• Is set in the past and is based on <u>real events</u></li> <li>• May have fictional characters interwoven with real characters.</li> <li>• Often includes dialogue</li> </ul>
<b>Comprehension Strategy</b>	Make, confirm, or revise predictions <ul style="list-style-type: none"> <li>• Predictions are based on events that have happened in the story.</li> <li>• Making and revising predictions helps the reader understand how characters' actions affect the story's plot.</li> </ul>
<b>Comprehension Skill</b>	Point of view <ul style="list-style-type: none"> <li>• 1<sup>st</sup> person: when the story is told by one of the characters</li> <li>• 3<sup>rd</sup> person: when the story is told by someone who is not part of the story</li> </ul>
<b>Vocabulary Strategy</b>	Context clues <ul style="list-style-type: none"> <li>• Authors will sometimes use <u>synonyms</u> in surrounding text to help the reader understand the meaning of unknown words.</li> </ul>

### Author's Craft

<b>Dianna Hutts Aston</b>	Characterization Figurative language Dialogue
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### Grammar Goodies

<b>Pronoun-Verb Agreement</b>	A subject pronoun and present-tense verb must agree in number. When using <b>I</b> , <b>we</b> , <b>you</b> , and <b>they</b> , <b>do not add s or es to the verb.</b> <b>Have</b> and <b>be</b> are irregular verbs.
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## Literature Connection

President John F. Kennedy gave a speech to Congress in 1961. He spoke of his concern that the U.S. was falling behind the Soviet Union in technology and prestige, so he challenged the U.S. to put a man on the moon before the end of the decade.

On July 16, 1969, Apollo 11 astronauts, Neil Armstrong, Buzz Aldrin, and Michael Collins, were launched into Earth's orbit. After one and a half orbits, Apollo 11 was given permission to "head for the moon." Three days later, the crew was in lunar orbit. A day after that, Armstrong and Aldrin climbed into the lunar module called *Eagle*. The module began a descent to the moon while Collins orbited in the command module called *Columbia*. When the lunar module finally landed on the moon's surface at 4:18 p.m., only 30 seconds of fuel remained! (Phew...close call!) Neil Armstrong then contacted Houston, mission control center, and announced, "The Eagle has landed." So nerve-wracking was the landing that the mission control chief responded, "You've got a bunch of guys about to turn blue; now we're breathing again."

At 10:56 p.m., Neil Armstrong climbed down the ladder and took man's first step on the moon while over a half billion people on earth watched the historic event live on TV. Armstrong proclaimed, "That is one small step for a man, one giant leap for mankind." \*

Shortly after, Aldrin joined Armstrong on the moon's surface. Together, they left an American flag and a plaque that read, "Here men from the planet Earth first set foot upon the moon. July 1969 A.D. We came in peace for all mankind."

Armstrong and Aldrin later blasted off and docked with Collins. They splashed down near Hawaii on July 24. Mission accomplished!

*\* Neil Armstrong's famous words are often misquoted. The text above shows the accurate version of the quote.*

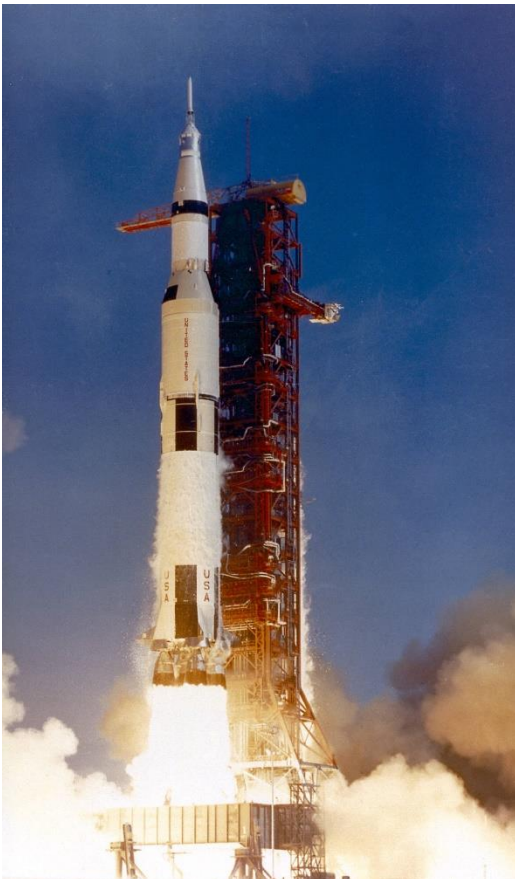


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