



4th Grade Wonders

Unit 1 Week 4



Mrs. Jones

Essential Question:
How can science help you understand how things work?

Spelling - Focus: Long i vowel sounds

Standard List				
1. climb	2. minding	3. die	4. sigh	5. spy
6. pry	7. twice	8. pride	9. pies	10. height
11. fright	12. slight	13. drive	14. file	15. kite
16. prime	17. slice	18. fried	19. scheme *	20. chief*

Challenge List				
1. climb	2. minding	3. die	4. sigh	5. delightful
6. prying	7. twice	8. pride	9. reminded	10. height
11. frightened	12. lightning	13. slightly	14. tightly	15. filed
16. likely	17. prime	18. wiping	19. committee*	20. chief *

Super Spellers			
1. typhoon	2. rhyme	3. multiply	4. psychology

Vocabulary

accelerate	To move or cause to move faster
advantage	Something that is helpful or useful
friction	A force between surfaces that slows objects or stops them from moving
gravity	A force that pulls objects toward each other
identity	Who a person is or what a thing is
inquiry	A search for information
thrilling	To be exciting

Challenge Words

mass	The amount of matter in an object
physics	The study of forces and their impacts on the environment
inertia	The resistance of an object to any change in its motion
atom	The smallest particle of a substance that can exist by itself



Latin/Greek Root-a-Toot



Root (Origin)	Meaning	Sample Word
grav (L)	heavy	gravity
physi (G)	nature	physics
frict (L)	rub	friction
celer (L)	quick	accelerate

Latin/Greek Roots Connections

Mrs. Jones took a physics class in college so she could understand how gravity, friction, and acceleration are related. The gravity of the situation forced her to accelerate her studies. This could have caused friction with her college roommates.

Strategies and Skills Focus

Genre	Informational Text (Narrative Nonfiction) <ul style="list-style-type: none"> • Tells a story that includes facts and examples about a topic • Characters share or learn facts • May include text features such as headings, photos and captions, and speech balloons
Comprehension Strategy	Reread text for enhanced understanding (finding text evidence)
Comprehension Skill	Compare and Contrast
Vocabulary Strategy	Context Clues

Author's Craft

Text Structure	Word Choice Dialogue
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Grammar Goodies

Clauses and Complex Sentences	<p>Clause: a group of words that has a subject and a verb</p> <p>Independent clause: can stand alone as a sentence</p> <p>Dependent clause (subordinate clause): cannot stand alone as a sentence.</p> <p>It usually begins with a subordinating conjunction.</p> <p>Complex sentence: includes an independent clause and one or more dependent (subordinate) clauses</p>
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Author's Purpose

Emily Sohn and Steve Erwin	Purpose: to inform
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Lit Tidbit and Trivia (Connection to the Story)

Isaac Newton (1643-1727) was the first person to realize that certain laws of nature explained all motion on earth and in space. He was the first to explain the idea of gravity.

- Isaac's mother wanted him to become a farmer.
- Isaac actually studied for a law degree.



- Isaac was notorious for having a bad temper and getting into conflicts with other people.