

Scope and Sequence

UNIT	READING	VOCABULARY	GRAMMAR
BIG QUESTION 1 ▶ Why do we build bridges and tunnels? Social Studies: Technology			
1 Page 6	The Earthworm and the Spider Fantasy (Fiction) Reading Strategy Author's Purpose	Reading Text Words <i>isolated, hazardous, wriggle, skeptical, insist, admire, labor, strand, discouraged, sapphire, suspicious, exquisite, depart</i> Words in Context <i>herds, fade, unseen, base, shone, gratefully</i> Word Study Prefixes <i>bi-</i> and <i>tri-</i>	Future Continuous Affirmative and negative statements, questions <i>By winter, the villagers will be finishing the tunnel.</i> <i>Next spring, I'm going to be walking through the mountain.</i>
2 Page 16	Overcoming Earth's Obstacles Explanatory Text (Nonfiction) Reading Strategy Mind Map	Reading Text Words <i>varied, beam, cable, support, suspended, obstacle, span, overcome, situation, problematic, waterway, link, explosive</i> Words in Context <i>factors, suspension, stacks, aqueducts, commonly, load bearing</i> Word Study Easily Confused Words	Continuous Tenses Affirmative and negative statements <i>The engineer is building a bridge.</i> <i>The engineer was building a bridge.</i> <i>The engineer has been building a bridge.</i> <i>The engineer will be building a bridge.</i>
BIG QUESTION 2 ▶ What is the Earth made of? Earth Science			
3 Page 26	Inside Our Planet Informational Text (Nonfiction) Reading Strategy Evaluate	Reading Text Words <i>mass, crust, sphere, comprise, chamber, chunk, geologist, collide, pressure, gradually, element, erode, chemically</i> Words in Context <i>mantle, intense, erupt, continental, sections, enormous</i> Word Study Homonyms	Modals Affirmative and negative statements, questions <i>Geologists can tell the date of some rocks.</i>
4 Page 36	The Secret of Vesuvius Historical Fiction Reading Strategy Prediction	Reading Text Words <i>wheeze, shower, gravel, flaming, pumice, charred, coughing, flutter, debris, boulder, spatter, boiling, gasp</i> Words in Context <i>scribe, observations, shifted, shore, deftly, retreat</i> Word Study Words with <i>ie</i> and <i>ee</i>	Past Perfect Simple past and past perfect statements, negative statements, questions <i>Pliny had studied philosophy before he became an admiral.</i>
BIG QUESTION 3 ▶ Why do we wear masks? Social Studies: Society			
5 Page 46	A Season of Discontent Play (Fiction) Reading Strategy Internal and External Conflict	Reading Text Words <i>eternity, transition, irritating, spectacular, categorize, frost, literally, wither, decay, tempestuous, schedule, consistently, predictable</i> Words in Context <i>control, mood, adapt, accurately, decent, doubt</i> Word Study Suffixes <i>-er</i> and <i>-or</i>	Past Perfect Continuous Past perfect and past perfect continuous statements, negative statements, questions <i>By the time I started making the weather, I felt like I'd been living on a glacier!</i>
6 Page 56	Uncovering Masks Website (Nonfiction) Reading Strategy Identifying Facts and Opinions	Reading Text Words <i>covering, disguise, entertainment, essential, urgent, lifesaver, shield, safeguard, crucial, performer, elaborate, central, basic</i> Words in Context <i>enthusiasm, antiquity, ridiculous, operations, germs, individual</i> Word Study Suffix <i>-ness</i>	Defining Relative Clauses for People Affirmative and negative statements <i>Picasso was an artist who collected masks.</i> <i>Picasso was an artist that collected masks.</i>
BIG QUESTION 4 ▶ Why do we like symmetry? Science			
7 Page 68	Summing Up Symmetry Technical Article (Nonfiction) Reading Strategy Classify and Categorize	Reading Text Words <i>symmetrical, equilateral, identical, infinite, reproduce, repetition, extend, interlocking, dimensions, structure, internal, arrangement, aesthetic</i> Words in Context <i>experiment, hesitate, approximately, constituent, practical, employ</i> Word Study Latin Roots	Defining Relative Clauses for Objects and Places Affirmative statements <i>Scientists use lenses that allow telescopes to see deep into space.</i> <i>This is the building where the scientists work.</i>
8 Page 78	Snowflake Lia Narrative Fiction Reading Strategy Paraphrase	Reading Text Words <i>image, surpass, stare, laboratory, copious, examination, minute, fragment, triumphantly, panic, eyepiece, astonishment, dazzling</i> Words in Context <i>piles, bothered, forecast, flickered, gust, scrambled</i> Word Study Adjectives with <i>-ed</i> and <i>-ing</i>	Defining Relative Clauses with Whose Affirmative statements and questions <i>Lia was the girl whose snowflake pictures were the talk of the town.</i>

Finn



LISTENING

Sonya



SPEAKING

Charlie



WRITING

April



WRAP UP

New York City Transit
People talk about how they use bridges and tunnels to get around
Listening Strategy
Listening for key words

Correcting Someone
That bridge is probably used for freight trains. Are you sure?

Paragraph Breaks
Soon they gathered around to study the plans Grandfather drew. After that, the strongest men and women of Koi began to dig into the base of Eagle Mountain.
Writing Practice Write about a bridge or a tunnel you like (WB)

• **Big Question 1**

Building a Bridge
A TV interview with a bridge engineer
Listening Strategy
Listening for sequence

Describing Steps in a Project
The first step to making a greeting card is choosing some art supplies.

Connectors to Show Support
The arch itself is what gives the bridge its strength. In fact, even today you can see arch bridges and aqueducts that were built by the ancient Romans.
Writing Practice Write about something you wanted to achieve and how you did it (WB)

• **Writing and Presentation:**
Write a persuasive letter (WB) and share it with the class
• **Big Question 1**

Exploring Lake Vostok
A phone call between a journalist and a scientist
Listening Strategy
Listening for numbers

Conducting an Interview
What can you tell us about the new cave you discovered?

Parentheses
The temperature of the inner core (which comprises the metals nickel and iron) can be as high as 5,400 degrees centigrade.
Writing Practice Write about a feature of Earth that you think is interesting (WB)

• **Big Question 2**

Volcanoes
A student gives a report about different types of volcanoes
Listening Strategy
Listening for time periods

Offering Suggestions
We could make a collage for our presentation.

Punctuation with Quotation Marks
Suddenly the lookout cried, "Shallow water and rocks ahead, Admiral!"
Writing Practice Write about how you would keep people safe in a big storm (WB)

• **Writing and Presentation:**
Write a speech (WB) and share it with the class
• **Big Question 2**

Masks in Theater
An actor describes the fun and challenge of acting with a mask
Listening Strategy
Listening for instructions

Finding the Right Word
What is this thing called? It's used to play a role.

Choosing a Good Title
Writing Practice Write a story and give it a title (WB)

• **Big Question 3**

Fencing
An interview with an Olympic fencing champion
Listening Strategy
Listening for advice

Discussing a Topic
I think surgeons should have to wear masks. Why do you think so?

Using Headings to Organize Your Writing
Masks for Entertainment
Masks for Health
Masks for Safety
Writing Practice Write a short article with headings (WB)

• **Writing and Presentation:**
Write a personal narrative (WB) and share it with the class
• **Big Question 3**

Testing Practice 1

How a Carpenter Uses Symmetry
A conversation about the importance of symmetry in making furniture
Listening Strategy
Listening for reasons

Asking for Clarification
Look! These pictures are identical. I don't know the word "identical." How do you spell it?

Writing Numbers as Words
One side of this butterfly is identical to the other side.
Writing Practice Write about an example of symmetry that you like (WB)

• **Big Question 4**

Fractals
A lecture about fractals and symmetry of scale
Listening Strategy
Listening for gist

Describing Something You Like
My favorite example of symmetry is a race car.

Prepositional Phrases of Place
Lia set up her laboratory in the shed at the end of the yard.
Writing Practice Write about what you might see in your favorite part of town (WB)

• **Writing and Presentation:**
Write a personal response (WB) and share it with the class
• **Big Question 4**

UNIT	READING	VOCABULARY	GRAMMAR
BIG QUESTION 5 ▶ How do we use language? Social Studies: Culture			
9 Page 88	Talking About Language Magazine Article (Nonfiction) Reading Strategy Main Idea and Details	Reading Text Words <i>gesture, beckon, refusal, disapproval, group, lack, raised, enable, invaluable, consist, distress, conceal, transmit</i> Words in Context <i>widely, estimate, ancestor, brand-new, ingenious, allies</i> Word Study Latin Roots	Nondefining Relative Clauses Affirmative and negative statements <i>Another type of code, which is called Morse code, is used to communicate over long distances.</i>
10 Page 98	The Whistlers Descriptive Fiction Reading Strategy Setting	Reading Text Words <i>circular, radiant, shimmer, misty, rugged, pesky, devise, desperately, irritated, frustrated, piercingly, intently, customary</i> Words in Context <i>only, palms, ferns, impenetrable, insignificant, respective</i> Word Study Connotation	Passive Statements (Present Perfect) Active and passive statements, negative statements <i>My message has been sent.</i>
BIG QUESTION 6 ▶ Why do we record history? Social Studies: History			
11 Page 108	View From the Summit and Everest Memoir and Historical Nonfiction (Nonfiction) Reading Strategy Corroborating	Reading Text Words <i>summit, loom, cling, crack, handhold, expedition, laboriously, plateau, dome, slack, ledge, slim, awesome</i> Words in Context <i>considerable, panting, exposed, satisfaction, disaster, perched</i> Word Study Easily Confused Words	Passive Questions (Present Perfect) Active and passive statements, negative statements, questions <i>Has the summit of Mount Everest ever been reached?</i>
12 Page 118	A Housemaid's Diary Diary Entries (Fiction) Reading Strategy Cause and Effect	Reading Text Words <i>typical, legal, butler, housekeeper, dustpan, assign, dismiss, cauldron, gristly, scone, approve, blame, frantic</i> Words in Context <i>range, confessed, copper, strict, appetite, passageway</i> Word Study Loan Words	Passive (Past Perfect) Active and passive statements, negative statements, questions <i>Amelia had been assigned the task of dusting the vases.</i>
BIG QUESTION 7 ▶ What makes birds special? Life Science			
13 Page 130	The Poetry of Birds Poems (Fiction) Reading Strategy Visualize	Reading Text Words <i>argue, amuse, lazily, awkward, pitifully, clumsy, limp, resemble, mock, jeers, minor, bear, key</i> Words in Context <i>dew, oars, comical, beak, partly, silences</i> Word Study Alliteration	Passive (Future) Active and passive statements, negative statements, questions <i>The tree will be cut.</i>
14 Page 140	Bird Brains Magazine Article (Nonfiction) Reading Strategy Analyze	Reading Text Words <i>decorate, artistically, ornithologist, imply, spine, mimic, annual, encounter, phenomenal, impress, technique, inspect, behavior</i> Words in Context <i>revealed, ability, spear, man-made, harsh, brainy</i> Word Study Greek Roots	Passive Review Affirmative and negative statements, questions <i>The design has been inspected by a female bower bird.</i> <i>The design had been inspected by a female bower bird.</i> <i>The design will be inspected by a female bower bird.</i>
BIG QUESTION 8 ▶ What are we afraid of? Life Science			
15 Page 150	Fear on the Brain Informational Text (Nonfiction) Reading Strategy Intensive Reading	Reading Text Words <i>rapid, alert, numb, interpret, store, respond, threat, frozen, reflex, trigger, tame, rehearse, distracted</i> Words in Context <i>obvious, defensive, adrenaline, decisions, instantly, deliberate</i> Word Study Suffix -ic	Past Unreal Conditional Affirmative and negative statements, questions <i>If the gazelle hadn't been afraid, it wouldn't have run away.</i>
16 Page 160	Gripped by Fear Suspense (Fiction) Reading Strategy Character Analysis	Reading Text Words <i>sleepover, outlandish, tiptoe, creepy, snuggle, uncontrollably, upright, nocturnal, peculiar, apprehensively, metamorphose, twinkle, dynamic</i> Words in Context <i>briefly, chattering, gripped, removing, staff, weaving</i> Word Study Connotation	If Only and I Wish Affirmative and negative statements <i>"If only I'd known that, I wouldn't have been afraid!" said Aroon.</i> <i>"I wish we could play video games, instead," he said.</i>
BIG QUESTION 9 ▶ Why are stories important? Social Studies: Culture			
17 Page 170	The White Giraffe Adventure (Fiction) Reading Strategy Theme	Reading Text Words <i>instinct, coiled, poisonous, unmistakable, lethal, hideous, crumpled, illicitly, tinged, soothingly, warily, sidle, miraculous</i> Words in Context <i>evilly, capable, quivered, tingle, confided, lingering</i> Word Study Suffix -less	Review of Present and Past Tenses Affirmative statements <i>We hike in the mountains every year.</i> <i>We hiked in the Alps last year.</i> <i>We go hiking once a week.</i>
18 Page 180	Why Stories Matter Opinion Article (Nonfiction) Reading Strategy Persuasion	Reading Text Words <i>storytelling, impulse, breakthrough, dedicated, publish, futuristic, imagination, novelist, recount, relate, reminisce, intricate, purely</i> Words in Context <i>incidents, biography, autobiography, attitudes, available, plot</i> Word Study Heteronyms	Review of Future Forms Affirmative statements, questions <i>I'm going to be a storyteller someday.</i> <i>I think we'll always be storytellers.</i> <i>A storyteller is coming to our class tomorrow afternoon.</i>

LISTENING	SPEAKING	WRITING	WRAP UP
<p>Watching a Movie Two people express different emotions while watching a movie</p> <p>Listening Strategy Listening for gist</p>	<p>Expressing Emotions <i>Let's go to the museum this weekend!</i></p>	<p>Using Connectors to Show Contrast <i>When a language is no longer used, we say that it's "dead." However, even after people have stopped speaking a language, they sometimes continue to create new words from its roots.</i></p> <p>Writing Practice Write about something you're good at (WB)</p>	<p>• Big Question 5 </p>
<p>Unusual Languages Descriptions of the Silbo Gomeró and Hadza languages</p> <p>Listening Strategy Listening for similarities and differences</p>	<p>Expressing Preferences <i>Would you rather play soccer or go to the mall?</i> <i>I think I'd prefer to play soccer.</i></p>	<p>Onomatopoeia <i>The whistle streamed out of my lungs and shot across the valley.</i></p> <p>Writing Practice Write a paragraph or poem on a topic you like (WB)</p>	<p>• Writing and Presentation: Write a poem (WB) and perform it for the class</p> <p>• Big Question 5 </p>
<p>Recording Memories A son interviews his mom about her memories of growing up in New York</p> <p>Listening Strategy Listening for the main idea</p>	<p>Follow-Up Questions <i>I used to go to a school on Kensington Street.</i> <i>Oh, really? Where's Kensington Street?</i></p>	<p>Reflexive Pronouns <i>Tenzing dragged himself out beside me.</i></p> <p>Writing Practice Write about keeping a diary (WB)</p>	<p>• Big Question 6 </p>
<p>Story Booth A man records his memories of growing up in Italy</p> <p>Listening Strategy Listening for facts and opinions</p>	<p>Telling a Story About Yourself <i>My happiest memory is the time my friend and I went camping last summer.</i></p>	<p>Titles in Names <i>Mrs. Maggs said I was needed.</i></p> <p>Writing Practice Write about how life today is different from the past (WB)</p>	<p>• Writing and Presentation: Write a memory (WB); make a memory wall and retell a classmate's memory</p> <p>• Big Question 6 </p> <p>Testing Practice 2</p>
<p>A Poem A poet reads a poem about birds and happiness</p> <p>Listening Strategy Listening for reasons</p>	<p>Expressing Probability <i>What will you be doing in five years?</i> <i>I'll be in college. I can't wait!</i></p>	<p>Metaphor <i>The albatross is the king of the sky.</i></p> <p>Writing Practice Write a paragraph about birds (WB)</p>	<p>• Big Question 7 </p>
<p>Bird Song An ornithologist shows how some birds can imitate natural and artificial sounds</p> <p>Listening Strategy Listening for examples</p>	<p>Talking About What You've Learned <i>What have you learned today?</i> <i>I learned that birds can make tools.</i></p>	<p>Simile <i>Like an artist, the bower bird decorates its nest with bright objects in matching colors.</i></p> <p>Writing Practice Write about why you think birds are special (WB)</p>	<p>• Writing and Presentation: Write an action plan (WB) and share it with the class</p> <p>• Big Question 7 </p>
<p>Fears Three people describe things that frighten them</p> <p>Listening Strategy Listening for clues</p>	<p>Suggesting Solutions <i>I'm scared of flying.</i> <i>You should try taking a short flight.</i></p>	<p>Connectors to Show Condition <i>People who work in dangerous jobs learn to manage their fear so that they can act quickly and without thinking, even if they're really scared.</i></p> <p>Writing Practice Write a paragraph to give someone advice (WB)</p>	<p>• Big Question 8 </p>
<p>Bungee Jumping An interview with an extreme sportsman</p> <p>Listening Strategy Listening for reactions</p>	<p>Talking About Things That Are Scary <i>Have you ever ridden on a roller coaster?</i> <i>Yes! It was really scary, but also very exciting!</i></p>	<p>Avoiding Generalizations <i>All Aroon could see was an ink-black sky and some tall, creepy objects swaying in the breeze.</i></p> <p>Writing Practice Write about something that people are afraid of (WB)</p>	<p>• Writing and Presentation: Write an instructional text (WB) and share it with the class</p> <p>• Big Question 8 </p>
<p>The Boy Who Cried Lynx A folktale that teaches a lesson</p> <p>Listening Strategy Listening for the main idea</p>	<p>Clarifying What You've Said <i>That movie wasn't very good.</i> <i>Oh, you didn't like it?</i> <i>What I mean is, it was kind of boring.</i></p>	<p>Reporting Verbs <i>"I'm alone, too," Martine confided to the giraffe.</i></p> <p>Writing Practice Write a story of your own (WB)</p>	<p>• Big Question 9 </p>
<p>Telling Stories A professional storyteller speaks about her craft</p> <p>Listening Strategy Listening for gist</p>	<p>Talking About Opinions <i>Do you think people use smartphones too much?</i> <i>Not really. I think they're great. I use mine for everything.</i></p>	<p>Using Numerals <i>Dates: November 19, 1967 Times: 9:10 p.m.</i> <i>Addresses: 72 Barrow Street Large numbers: 3 million</i></p> <p>Writing Practice Write about what you think stories will be like in the future (WB)</p>	<p>• Writing and Presentation: Write a story (WB) and share it with the class</p> <p>• Big Question 9 </p> <p>Testing Practice 3</p>