

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 bi- and tri-	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 (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 ie and ee	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 -er and -or	Past Perfect Continuous Past perfect and past perfect continuous statements, negative statements, questions <i>By the time it was my turn, I felt like I'd been living on a glacier!</i>
6 Page 56	Uncovering Masks Website (Fiction) 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 -ness	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 (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 -ed and -ing	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



Sonya



Charlie



April



LISTENING

SPEAKING

WRITING

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 (Workbook)

• Writing

Write a persuasive letter (Workbook)

• Presentation

Share your letter with the class

• Review

Units 1 and 2 (Workbook)
Big Question 1 Review



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 (Workbook)

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)

• Writing

Write a speech (WB)

• Presentation

Share your speech with the class

• Review

Units 3 and 4 (WB)
Big Question 2 Review



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)

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)

• Writing

Write a personal narrative (WB)

• Presentation

Share your personal narrative with the class

• Review

Units 5 and 6 (WB)
Big Question 3 Review



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 an article with headings (WB)

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)

• Writing

Write a personal response (WB)

• Presentation

Share your personal response with the class

• Review

Units 7 and 8 (WB)
Big Question 4 Review



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)

UNIT	READING	VOCABULARY	GRAMMAR
<div><div><div><div><div></div><div>BIG QUESTION</div></div><div>5</div><div>How do we use language?</div><div>Social Studies: Culture</div></div></div></div>			
<div>9</div> <div>Page 88</div>	<div>Talking About Language Magazine Article (Nonfiction)</div> <div>Reading Strategy Main Idea and Details</div>	<div>Reading Text Words <i>gesture, beckon, refusal, disapproval, group, lack, raised, enable, invaluable, consist, distress, conceal, transmit</i></div> <div>Words in Context <i>widely, estimate, ancestor, brand new, ingenious, allies</i></div> <div>Word Study Latin Roots</div>	<div>Nondefining Relative Clauses Affirmative and negative statements Another type of code, <i>which is called Morse code</i>, is used to communicate over long distances.</div>
<div>10</div> <div>Page 98</div>	<div>The Whistlers Descriptive Fiction (Fiction)</div> <div>Reading Strategy Setting</div>	<div>Reading Text Words <i>circular, radiant, shimmer, misty, rugged, pesky, devise, desperately, irritated, frustrated, piercingly, intently, customary</i></div> <div>Words in Context <i>only, palms, ferns, impenetrable, insignificant, respective</i></div> <div>Word Study Connotation</div>	<div>Passive Statements (Present Perfect) Active and passive statements, negative statements <i>My message has been sent.</i></div>
<div><div><div><div><div></div><div>BIG QUESTION</div></div><div>6</div><div>Why do we record history?</div><div>Social Studies: History</div></div></div></div>			
<div>11</div> <div>Page 108</div>	<div>View From the Summit and Everest Memoir and Historical Nonfiction (Nonfiction)</div> <div>Reading Strategy Corroborating</div>	<div>Reading Text Words <i>summit, loom, cling, crack, handhold, expedition, laboriously, plateau, dome, slack, ledge, slim, awesome</i></div> <div>Words in Context <i>considerable, panting, exposed, satisfaction, disaster, perched</i></div> <div>Word Study Easily Confused Words</div>	<div>Passive Questions (Present Perfect) Active and passive statements, negative statements, questions <i>Has the summit of Mount Everest ever been reached?</i></div>
<div>12</div> <div>Page 118</div>	<div>A Housemaid's Diary Diary Entry (Fiction)</div> <div>Reading Strategy Cause and Effect</div>	<div>Reading Text Words <i>typical, legal, butler, housekeeper, dustpan, assign, dismiss, cauldron, gristly, scone, approve, blame, frantic</i></div> <div>Words in Context <i>range, confess, copper, strict, appetite, passageway</i></div> <div>Word Study Loan Words</div>	<div>Passive (Past Perfect) Active and passive statements, negative statements, questions <i>June had been assigned the task of dusting the vases.</i></div>
<div><div><div><div><div></div><div>BIG QUESTION</div></div><div>7</div><div>What makes birds special?</div><div>Life Science</div></div></div></div>			
<div>13</div> <div>Page 130</div>	<div>The Poetry of Birds Poems (Fiction)</div> <div>Reading Strategy Visualize</div>	<div>Reading Text Words <i>argue, amuse, lazily, awkward, pitifully, clumsy, limp, resemble, mock, jeers, minor, bear, key</i></div> <div>Words in Context <i>dew, oars, comical, beak, partly, silences</i></div> <div>Word Study Alliteration</div>	<div>Passive (Future) Active and passive statements, negative statements, questions <i>The tree will be cut.</i></div>
<div>14</div> <div>Page 140</div>	<div>Bird Brains Magazine Article (Nonfiction)</div> <div>Reading Strategy Analyze</div>	<div>Reading Text Words <i>decorate, artistically, ornithologist, imply, spine, mimic, annual, encounter, phenomenal, impress, technique, inspect, behavior</i></div> <div>Words in Context <i>revealed, ability, spear, man-made, harsh, brainy</i></div> <div>Word Study Greek Roots</div>	<div>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></div>
<div><div><div><div><div></div><div>BIG QUESTION</div></div><div>8</div><div>What are we afraid of?</div><div>Life Science</div></div></div></div>			
<div>15</div> <div>Page 150</div>	<div>Fear on the Brain Informational Text (Nonfiction)</div> <div>Reading Strategy Intensive Reading</div>	<div>Reading Text Words <i>rapid, alert, numb, interpret, store, respond, threat, frozen, reflex, trigger, tame, rehearse, distracted</i></div> <div>Words in Context <i>obvious, defensive, adrenaline, decisions, instantly, deliberate</i></div> <div>Word Study Suffix -ic</div>	<div>Past Unreal Conditional Affirmative and negative statements, questions <i>If the gazelle hadn't been afraid, it wouldn't have run away.</i></div>
<div>16</div> <div>Page 160</div>	<div>Gripped by Fear Suspense (Fiction)</div> <div>Reading Strategy Character Analysis</div>	<div>Reading Text Words <i>sleepover, outlandish, tiptoe, creepy, snuggle, uncontrollably, upright, nocturnal, peculiar, apprehensively, metamorphose, twinkle, dynamic</i></div> <div>Words in Context <i>briefly, chattering, gripped, removing, staff, weaving</i></div> <div>Word Study Connotation</div>	<div>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></div>
<div><div><div><div><div></div><div>BIG QUESTION</div></div><div>9</div><div>Why are stories important?</div><div>Social Studies: Culture</div></div></div></div>			
<div>17</div> <div>Page 170</div>	<div>The White Giraffe Adventure (Fiction)</div> <div>Reading Strategy Theme</div>	<div>Reading Text Words <i>instinct, coiled, poisonous, unmistakable, lethal, hideous, crumpled, illicitly, tinged, soothingly, warily, sidle, miraculous</i></div> <div>Words in Context <i>evilily, tingle, capable, quivered, confided, lingering</i></div> <div>Word Study Suffix -less</div>	<div>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></div>
<div>18</div> <div>Page 180</div>	<div>Why Stories Matter Opinion Article (Nonfiction)</div> <div>Reading Strategy Persuasion</div>	<div>Reading Text Words <i>storytelling, impulse, breakthrough, dedicated, publish, futuristic, imagination, novelist, recount, relate, reminisce, intricate, purely</i></div> <div>Words in Context <i>incidents, biography, autobiography, attitudes, available, plot</i></div> <div>Word Study Heteronyms</div>	<div>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></div>
<div>Page 192</div> <div><div><div></div><div>A-Z</div><div>Dictionary</div></div></div>			

LISTENING	SPEAKING	WRITING	WRAP UP
Watching a Movie Two people express different emotions while watching a movie Listening Strategy Listening for gist	Expressing Emotions <i>Let's go to the museum this weekend!</i>	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> Writing Practice Write about something you're good at (WB)	<ul style="list-style-type: none">• Writing Write a poem (WB)• Presentation Perform your poem for the class• Review Units 9 and 10 (WB) Big Question 5 Review 
Unusual Languages Descriptions of the Silbo Gomero and Hadza languages Listening Strategy Listening for similarities and differences	Expressing Preferences <i>Would you rather play soccer or go to the mall? I think I'd prefer to play soccer.</i>	Onomatopoeia <i>The whistle streamed out of my lungs and shot across the valley.</i> Writing Practice Write a paragraph or poem on a topic you like (WB)	
Recording Memories A son interviews his mom about her memories of growing up in New York Listening Strategy Listening for the main idea	Follow-Up Questions <i>I used to go to a school on Kensington Street. Oh, really? Where's Kensington Street?</i>	Reflexive Pronouns <i>Tenzing dragged himself out beside me.</i> Writing Practice Write about keeping a diary (WB)	<ul style="list-style-type: none">• Writing Write about a memory (WB)• Presentation Make a memory wall and retell a classmate's memory• Review Units 11 and 12 (WB) Big Question 6 Review 
Story Booth A man records his memories of growing up in Italy Listening Strategy Listening for facts and opinions	Telling a Story About Yourself <i>My happiest memory is the time my friend and I went camping last summer.</i>	Titles in Names <i>Mrs. Maggs said I could take some time off.</i> Writing Practice Write about how life today is different from the past (WB)	
Testing Practice 2			
A Poem A poet reads a poem about birds and happiness Listening Strategy Listening for reasons	Expressing Probability <i>What will you be doing in five years? I'll be in college. I can't wait!</i>	Metaphor <i>The albatross is the king of the sky.</i> Writing Practice Write a paragraph about birds (WB)	<ul style="list-style-type: none">• Writing Write an action plan (WB)• Presentation Share your action plan with the class• Review Units 13 and 14 (WB) Big Question 7 Review 
Bird Song An ornithologist shows how some birds can imitate natural and artificial sounds Listening Strategy Listening for examples	Talking About What You've Learned <i>I learned that birds can make tools.</i>	Simile <i>Like an artist, the bower bird decorates its nest with bright objects in matching colors.</i> Writing Practice Write about why you think birds are special (WB)	
Fears Three people describe things that frighten them Listening Strategy Listening for clues	Suggesting Solutions <i>I'm scared of flying. You should try taking a short flight.</i>	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> Writing Practice Write a paragraph to give someone advice (WB)	<ul style="list-style-type: none">• Writing Write an instructional guide (WB)• Presentation Share your instructional guide with the class• Review Units 15 and 16 (WB) Big Question 8 Review 
Bungee Jumping An interview with an extreme sportsman Listening Strategy Listening for reactions	Talking About Things That Are Scary <i>Have you ever ridden on a roller coaster? Yes! It was really scary but also very exciting!</i>	Avoiding Generalizations <i>All Aroon could see was an ink-black sky and some tall, creepy objects swaying in the breeze.</i> Writing Practice Write about something that people are afraid of (WB)	
The Boy Who Cried Lynx A folktale that teaches a lesson Listening Strategy Listening for the main idea	Clarifying What You've Said <i>That movie wasn't very good. Oh, you didn't like it? What I mean is, it was kind of boring.</i>	Reporting Verbs <i>"I'm alone, too," Martine confided to the giraffe.</i> Writing Practice Write a story of your own (WB)	<ul style="list-style-type: none">• Writing Write a story (WB)• Presentation Share your story with the class• Review Units 17 and 18 (WB) Big Question 9 Review 
Telling Stories A professional storyteller speaks about her craft Listening Strategy Listening for gist	Talking About Opinions <i>Do you think people use smartphones too much? Not really. I think they're great. I use mine for everything.</i>	Using Numerals <i>Dates: November 19, 1967 Times: 9:10 p.m. Addresses: 72 Barrow Street Large numbers: 3 million</i> Writing Practice Write about what you think stories will be like in the future (WB)	
Testing Practice 3			