

# Scope and Sequence



**1**

## Extreme Weather

p. 6



**2**

## Copycat Animals

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**3**

## Music in Our World

p. 38



**4**

## Life Out There

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### CONTENT AREA CONNECTION

Science

Science

Music and Performing Arts,  
Visual Arts

Science, Technology  
and Engineering

### GOALS ► SC: 1

- talk about different kinds of extreme weather
- describe the damage storms can cause
- describe how to prepare for extreme weather
- write a personal narrative

- describe animals
- compare different animals
- talk about how animals imitate others
- use classification writing

- talk about different musical instruments and styles
- talk about your musical experiences
- compare how people make music
- do contrast writing

- talk about space and space exploration
- talk about different possibilities of life in space
- give your opinions about space
- do persuasive writing

### VOCABULARY 1 & 2 ► SC: 2–4

blizzard, drop, drought, flood, hailstorm, heatwave, hurricane, lightning, range, rise, sandstorm, speed, thunder, tornado, tropical storm

**Strategy:** Compound nouns

emergency, evacuate, plan, shelter, supplies, torch

**Strategy:** Noun plurals

camouflage, characteristic, copy, frighten, hide, hunt, imitate, insect, poisonous, predator, prey, resemble, species, spot, stripe

**Strategy:** Using a dictionary

attack, avoid, confuse, defend, escape

**Strategy:** Action verbs

band, beat, chord, concert, drum, flute, guitar, lead singer, melody, note, perform, piano, practise, rhythm, saxophone, violin

**Strategy:** Multiple-meaning words

classical, hip-hop, jazz, pop, rock

**Strategy:** Act it out

atmosphere, comet, data, debate, extraterrestrial, galaxy, journey, orbit, planet, solar system, space, the universe

**Strategy:** Classification of words

astronaut, communicate, rocket, search, spacecraft, space station

**Strategy:** Words in context

### GRAMMAR 1 & 2 ► SC: 5–6

**Future predictions and plans with *be going to***  
**Zero conditional (present tense)**

**Comparisons with *as ... as***  
**Tag questions**

**Present perfect with *ever* and *never***  
**Comparative adverbs**

***May* and *might***  
**Indefinite pronouns**

### READING

Tornado Trouble  
**Strategy:** Visualise

Copycats  
**Strategy:** Scan text for information

It's All Music  
**Strategy:** Ask questions

Listening for Life  
**Strategy:** Identify the author's purpose

### WRITING

**Personal Narrative**  
**Focus:** Describe an experience

**Classification Writing**  
**Focus:** Show how things belong to a category or group

**Contrast Writing**  
**Focus:** Show the differences between things

**Persuasive Writing**  
**Focus:** Convince the reader of your opinion

### MISSION ► SC: 9

**Understand weather.**  
**National Geographic Explorer:** Tim Samaras

**Protect biodiversity.**  
**National Geographic Explorer:** Krithi Karanth

**Change through music.**  
**National Geographic Awardee:** Jack Johnson

**Be curious.**  
**National Geographic Explorer:** Kevin Hand

### PROJECT

A tornado in a jar

A collage

A musical instrument

Model of life on another planet

### REVIEW

Units 1–3

pp. 54–55

Units 4–6

### EXTENDED READING

Animal Predictions?

pp. 56–57

Attack of the  
Extraterrestrial Plants!

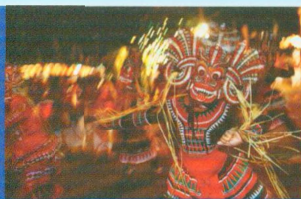
### LET'S TALK

It's my turn.  
Who's going to make notes?

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Can I borrow your bike, please?  
It could work.

► **ADDITIONAL VIDEO** Song: Sc. 7; Viewing: Sc. 8; Storytime: Sc. 10; Wrap Up: Sc. 11



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## Arts Lost and Found p. 76

Humanities, Music and  
Performing Arts

- talk about traditions and communities
- talk about different craft and cultural activities
- understand changing traditions
- write a blog entry

art, community, culture, future, generation, hold on to, language, local, pass down, proud, share, storytelling, tourist, tradition, weave

**Strategy:** Using context clues

embroidery, handmade, jewellery making, pottery, sculpture

**Strategy:** Base words

**Gerunds as subjects**  
**Gerunds as objects**

Not Your Grandpa's Mariachi  
**Strategy:** Compare and contrast

### Blog Entry

**Focus:** Write about your thoughts

**Value your cultural traditions.**  
**National Geographic Explorer:** Dr Elizabeth Kapu'uailani Lindsey

Museum of the future

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p. 113



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## Amazing Plants! p. 92

Science

- describe plants
- talk about what plants and animals do to help plants survive
- compare how plants grow and adapt
- do descriptive writing

adapt, attract, bacteria, behaviour, digest, ground, leaf, light, roots, stem, stink, strategy, survival, trap, trick

**Strategy:** Word families

daisy, petal, rose, thorn, vine

**Strategy:** Contractions

**The passive: Present simple**  
**Relative clauses with *that***

Is That a Plant?  
**Strategy:** Use information graphics to support comprehension

### Descriptive Writing

**Focus:** Describe what something looks like and what it does

**Value plants.**  
**National Geographic Explorer:** Maria Fadiman

Local plant guide



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## Volcanoes p. 114

Science

- discuss volcanoes
- describe how a volcano erupts
- make predictions
- write a process description

ash, calm, cover, crack, create, deep, erupt, explode, gas, heat, inside, melt, molten rock, steam, surface, thick, volcano

**Strategy:** Multiple-meaning words

active, cone, crater, dormant, extinct

**Strategy:** Suffixes

**First conditional**  
***Because of ...***

Active Volcanoes  
**Strategy:** Scan text for information

### Process Description

**Focus:** Explain what happens in a sequence

**Help in a disaster.**  
**National Geographic Explorer:** Patrick Meier

A volcano

Units 7–9

Surviving Krakatoa

No way!  
Our presentation is about ...



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## Reduce, Reuse, Recycle p. 130

Science, Visual Arts

- discuss the importance of reducing, reusing and recycling
- learn about art made from recycled materials
- talk about what you can do to help the environment
- write a biography

build, conserve, design, energy-efficient, environment, junk, landfill site, man-made, natural, recycle, reduce, renewable, reuse, rubbish, throw away

**Strategy:** Prefix *re-*

cardboard, chemicals, glass, metal, tools

**Strategy:** Expressing purpose

**Passive with modals (present simple)**  
**Clauses with *when***

Found Art  
**Strategy:** Understand the author's purpose

### Biography

**Focus:** Write about the life and work of a person

**Help reduce our human footprint.**  
**National Geographic Explorer:** Alexandra Cousteau

Recycled art

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pp. 164–165

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p. 167



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## Wonderful Holidays! p. 146

Language and Literature

- talk about different holiday destinations
- talk about what you would do in different situations
- express preferences
- write a review

beach, camping, guide, hike, hotel, photo safari, relax, ruins, tent, theme park, ticket, tour, water park, wildlife

**Strategy:** Using a thesaurus

airport, passport, souvenir, suitcase, sunglasses

**Strategy:** Antonyms and Synonyms

**Second conditional**  
***Would rather***

Treehouse Holiday  
**Strategy:** Use visuals to support comprehension

### Travel Review

**Focus:** Write about a holiday experience

**Be a respectful tourist.**  
**National Geographic Explorer:** Joseph Lekuton

A tourist brochure