

## UNIT 1: OUR WORLD

### THINK AND DISCUSS p. 1

Answers will vary. Possible answers:

1. There are about 8 billion people in the world today.
2. India, China, and the U.S. have the most people.

### EXPLORE THE THEME pp. 2–3

1. A megacity is a very large city that has a population of more than 10 million.
2. Answers will vary.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 4

1. b
2. d
3. a
4. c
5. e

#### B. BUILD VOCABULARY p. 4

1. country
2. growing
3. different
4. world
5. large

#### C. USE VOCABULARY p. 4

Answers will vary. Possible answers:

1. Burger House, Curry Palace, New York Grill
2. China, India, Russia
3. trees, flowers, animals

#### D. PREDICT p. 4

Predictions will vary. Correct answer:  
a

## UNDERSTANDING THE READING

### A. UNDERSTAND THE MAIN IDEA p. 7

a

### B. UNDERSTAND DETAILS p. 7

1. city
2. restaurant
3. 28
4. male
5. China

### C. GUESS MEANING FROM CONTEXT p. 7

1. b
2. c
3. a

### D. REFLECT p. 7

Answers will vary. Possible answers:  
live in a city.  
work in an office.  
am 22 years old.  
am female.  
come from Japan.

### E. APPLY p. 7

Answers will vary.

## DEVELOPING READING SKILLS

### A. SCAN FOR NUMBERS p. 8

2022; six; 2050; 1.7 billion; second; 1.3 billion; 2050;  
375 million; third; 400 million; 365 million; 320 million;  
2050

### B. SCAN FOR NUMBERS p. 8

1. 2022
2. 2050
3. 1.7
4. China
5. Nigeria
6. 400
7. 375
8. 320

### C. SCAN FOR NUMBERS p. 8

1. one billion
2. 10 billion
3. five

## VIDEO: MEETING NEW PEOPLE

### A. PREVIEW p. 9

Answers will vary.

### B. MAIN IDEA p. 9

b

### C. DETAILS p. 9

1. F
2. T
3. F
4. T
5. F

### D. REFLECT p. 9

Answers will vary.

## READING 2

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 10

1. sites
2. around
3. share
4. popular
5. news

#### B. BUILD VOCABULARY p. 10

1. d
2. e
3. c
4. a
5. b

#### C. USE VOCABULARY p. 10

Answers will vary.

#### D. PREDICT p. 10

Predictions will vary. Correct answers:

1. over 60 percent
2. 2 hours 24 minutes

## UNDERSTANDING THE READING

### A. UNDERSTAND MAIN IDEAS p. 13

1. E
2. B
3. C
4. D
5. F
6. -

### B. UNDERSTAND DETAILS p. 13

1. Douyin
2. 11
3. three
4. share opinions
5. 85
6. 6

### C. GUESS MEANING FROM CONTEXT p. 13

1. active
2. average
3. regularly

### D. REFLECT p. 13

Answers will vary. Possible answers:

My social media use is similar to the charts. For example, I usually post pictures, check what my friends are doing, and chat online.

## VOCABULARY EXTENSION

### A. p. 14

1. the biggest
2. the highest
3. the busiest
4. the fastest
5. the most popular

### B. p. 14

1. b
2. c
3. d
4. a
5. e
6. f

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. NOTICE p. 15

1. I use my phone every day.
2. My brother and I rarely call each other.
3. Every day, my friends send me funny videos.
4. He always texts his friends when he's watching TV.
5. I take my phone with me and leave my laptop at home.

#### B. IDENTIFY p. 15

1. Missing Verb
2. Missing Verb
3. Complete Sentence
4. Complete Sentence
5. Missing Subject
6. Missing Verb

#### C. APPLY p. 16

Answers will vary. Possible answers:

1. The "most typical" person is from China.
2. The population grows every year.
3. My sister lives in a big city, not a small town.
4. The computers in the library are old.

#### D. APPLY p. 16

1. A lot of people have cell phones.
2. My best friend goes to the library every day.
3. People from all over the world use the internet.
4. Cell phones are not very heavy.

#### E. APPLY p. 16

1. is
2. are
3. is
4. is
5. are
6. am

#### F. APPLY p. 17

1. study; studies
2. like; likes
3. do; does
4. speaks; speak
5. use; uses

6. texts; text
7. watch; watches
8. enjoy; enjoys

### WRITING TASK

#### A. BRAINSTORM p. 18

Answers will vary. Possible answers:

1. Eduardo
2. Mexico City
3. Spanish, English, and a little Hindi
4. Yes, studying English
5. Instagram, TikTok
6. I message my friends.
7. I like tennis and video games.
8. My dad travels all over the world for work.

#### B. ORGANIZE IDEAS p. 18

Answers will vary.

#### C. PLAN p. 18

Answers will vary.

#### D. FIRST DRAFT p. 19

Answers will vary.

#### E. REVISED DRAFT p. 19

Answers will vary.

#### F. FINAL DRAFT p. 19

Answers will vary.

## REVIEW

#### A. VOCABULARY p. 20

Answers will vary.

#### B. VOCABULARY EXTENSION p. 20

1. Answers will vary.
2. update; profile

#### C. READING SKILL p. 20

Answers will vary.

#### D. LANGUAGE FOR WRITING p. 20

Answers will vary.

## UNIT 2: CAREER PATHS

### THINK AND DISCUSS p. 21

1. He is an aircraft engineer.
2. Answers will vary.

### EXPLORE THE THEME pp. 22–23

1. Canada, the United States, Australia
2. Lawyer
3. Answers will vary.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 24

1. earn
2. expensive
3. practice
4. smart
5. interested in

#### B. BUILD VOCABULARY p. 24

1. d
2. e
3. a
4. c
5. b

#### C. USE VOCABULARY p. 24

Answers will vary. Possible answers:

1. lawyer, doctor, athlete
2. Samsung, Hyundai, LG
3. my professor, my mother, my grandmother

### DEVELOPING READING SKILLS

#### A. SKIM p. 25

Answers will vary. Possible answers:

1. Barrington Irving
2. pilot

#### B. SKIM p. 25

Answers will vary. Possible answer:  
to become a pilot

#### C. SKIM p. 25

1. He loves to fly.
2. He flies around the world.

#### D. PREDICT p. 25

Answers will vary. Possible answers:

He was very young. / He didn't have a plane, so he had to learn to build one.

### UNDERSTANDING THE READING

#### A. UNDERSTAND THE MAIN IDEA p. 28

b

#### B. IDENTIFY A SEQUENCE p. 28

- a. 3
- b. 1
- c. 6
- d. 5
- e. 4
- f. 2

#### C. UNDERSTAND DETAILS p. 28

1. b
2. a
3. a
4. b

#### D. GUESS MEANING FROM CONTEXT p. 28

1. c
2. b
3. a

#### E. INFER p. 28

Answers will vary. Possible answers:

He learned how to fly. / He built a plane. / He started an organization.

### VIDEO: CAVE SCIENTIST

#### A. PREVIEW p. 29

Answers will vary.

#### B. MAIN IDEAS p. 29

2, 3

**C. DETAILS p. 29**

1. a
2. b
3. a

**D. REFLECT p. 29**

Answers will vary.

**READING 2**

**PREPARING TO READ**

**A. BUILD VOCABULARY p. 30**

1. idea
2. together
3. return
4. travel
5. show

**B. BUILD VOCABULARY p. 30**

1. c
2. d
3. b
4. a
5. e

**C. USE VOCABULARY p. 30**

Answers will vary.

**D. BRAINSTORM p. 30**

Answers will vary.

**E. PREDICT p. 30**

Predictions will vary. Correct answer:

c

**UNDERSTANDING THE READING**

**A. UNDERSTAND MAIN IDEAS OF  
PARAGRAPHS p. 33**

1. C
2. E
3. F
4. B
5. D

**B. UNDERSTAND DETAILS p. 33**

1. (different) jobs
2. 16
3. (radio) competition
4. Circo Padilla
5. (circus) workers
6. photos

**C. GUESS MEANING FROM CONTEXT p. 33**

1. afford
2. come alive
3. experience

**D. REFLECT p. 33**

Answers will vary. Possible answers:

1. They both had big dreams when they were young. / They both had a lot of jobs. / They both made their dreams come true. / They both worked hard and didn't give up.
2. I would like to be a circus performer. It sounds fun! / I wouldn't like to be a pilot. It sounds dangerous.

**VOCABULARY EXTENSION**

**A. p. 34**

1. f
2. c
3. d
4. a
5. b
6. e

**B. p. 34**

Answers will vary. Possible answers:

My little sister is really smart. She can do difficult math problems.

**C. p. 34**

Answers will vary. Possible answers:

1. see my friends
2. study for a test
3. travel to Mexico
4. have a great job
5. have children

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. NOTICE p. 35

1. save
2. travels
3. practice
4. find

#### B. APPLY p. 35

1. want to get
2. need to learn
3. plans to go
4. need to take
5. wants to help
6. plans to graduate
7. want to visit
8. wants to be

#### C. APPLY p. 36

Answers will vary. Possible answers:

1. I want to get a job in France.
2. Irving plans to help young people achieve their dreams.
3. Many hotel workers need to study more than one language.
4. Lara wants to become famous one day.
5. My friend plans to have a party next week.

#### D. REFLECT p. 36

Answers will vary.

#### E. REFLECT p. 36

Answers will vary. Possible answers:

1. Miguel wants to learn Chinese.
2. Celia hopes to be a famous doctor.
3. Tia plans to move to Iceland.
4. Jared needs to save money for a new camera.

#### F. NOTICE p. 37

1. c
2. b
3. a
4. c

5. a

6. b

#### G. APPLY p. 37

1. take
2. learn/study
3. learn
4. take
5. go
6. finishes; start

#### H. APPLY p. 37

1. I hope to go to university after I finish high school.
2. I want to learn/study French when I go to college.
3. My friend plans to go to Asia after he finishes university.
4. If I want to pass my math exam, I think I need to take an extra class.

## WRITING TASK

#### A. BRAINSTORM p. 38

Answers will vary. Possible answers:

Buy a car; Travel the world; Run a full marathon; Get a job in the fashion industry in Paris; Get married; Buy a house

#### B. ORGANIZE IDEAS p. 38

Answers will vary.

#### C. PLAN p. 38

Answers will vary.

#### D. FIRST DRAFT p. 39

Answers will vary.

#### E. REVISED DRAFT p. 39

Answers will vary.

#### F. FINAL DRAFT p. 39

Answers will vary.

## REVIEW

#### A. VOCABULARY p. 40

Answers will vary.

**B. VOCABULARY EXTENSION p. 40**

1. 1. begin
  2. hard
  3. little
  4. clever
2. 1. c
  2. a

**C. READING SKILL p. 40**

Answers will vary.

**D. LANGUAGE FOR WRITING p. 40**

Answers will vary.

## UNIT 3: ADVENTURE

### THINK AND DISCUSS p. 41

Answers will vary.

### EXPLORE THE THEME pp. 42–43

Answers will vary.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 44

1. important
2. try
3. climb
4. trip
5. anywhere
6. across
7. map
8. low-cost
9. hiking
10. choose

#### B. USE VOCABULARY p. 44

Answers will vary.

#### C. PREDICT p. 44

Predictions will vary. Correct answers:

He likes short, local trips (microadventures). / He likes hiking. / He likes climbing hills.

## UNDERSTANDING THE READING

#### A. UNDERSTAND THE MAIN IDEA p. 47

c

#### B. UNDERSTAND DETAILS p. 47

a, c, e, f

#### C. GUESS MEANING FROM CONTEXT p. 47

1. boat
2. for the first time
3. agree

#### D. SCAN FOR NUMBERS p. 47

188 kilometers

#### E. EVALUATE p. 47

Answers will vary.

#### F. APPLY p. 47

Answers will vary.

## DEVELOPING READING SKILLS

#### A. UNDERSTAND THE MAIN IDEA p. 48

c

#### B. UNDERSTAND MAIN IDEAS OF PARAGRAPHS p. 48

1. b
2. a
3. c

#### C. IDENTIFY MAIN IDEAS OF PARAGRAPHS p. 48

1. last
2. first
3. first

## VIDEO: HOOKED ON ADVENTURE

#### A. PREVIEW p. 49

Answers will vary.

#### B. MAIN IDEAS p. 49

a, d

#### C. DETAILS p. 49

1. b
2. a

#### D. REFLECT p. 49

Answers will vary.

## READING 2

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 50

1. feel
2. amazing
3. always; every
4. exactly



**B. BUILD VOCABULARY p. 50**

1. reasons; explore
2. market
3. complete
4. believe

**C. USE VOCABULARY p. 50**

Answers will vary.

**D. PREDICT p. 50**

Predictions will vary. Correct answer:  
visit every country in the world.

**UNDERSTANDING THE READING**

**A. UNDERSTAND THE MAIN IDEA p. 53**

1. goal
2. every country
3. Black woman
4. writer

**B. UNDERSTAND DETAILS p. 53**

1. e
2. b
3. d
4. f
5. c
6. a

**C. SCAN FOR NUMBERS p. 53**

1. Barbara Hillary
2. 195
3. 2017
4. Cory Lee

**D. GUESS MEANING FROM CONTEXT p. 53**

1. interested
2. positive
3. don't know

**E. REFLECT p. 53**

Answers will vary. Possible answers:

France: I love French food.

Borneo: I want to see orangutans.

New Zealand: I'm interested in adventurous activities.

**VOCABULARY EXTENSION**

**A. p. 54**

1. field trip
2. business trips
3. fishing trip
4. road trip

**B. p. 54**

1. over
2. between; across
3. opposite
4. through

**WRITING**

**EXPLORING WRITTEN ENGLISH**

**A. APPLY p. 55**

1. You should not swim in the river.
2. You should see a play at the theater.
3. You should have lunch at a local restaurant.
4. They should not sit in the hot sun.
5. You should try something new on vacation.
6. Tourists should see the great paintings at the art museum.

**B. APPLY p. 55**

1. should learn
2. should study
3. shouldn't swim
4. should visit
5. shouldn't travel

**C. REFLECT p. 56**

Answers will vary. Possible answers:

1. You should talk to new people.
2. You should bring enough money.
3. You shouldn't visit dangerous places.
4. You shouldn't litter places you visit.

**D. NOTICE p. 56**

Get; head; go climb; Watch; sleep

**E. APPLY p. 56**

1. Don't carry
2. Don't use
3. Don't feed
4. Don't be
5. Don't climb
6. Don't hike

**F. APPLY p. 57**

1. Begin
2. Visit
3. walk down
4. Go past
5. Watch
6. smell

**G. APPLY p. 57**

Answers will vary. Possible answers:

How to get from school to my favorite coffee shop

1. First, go out of the school.
2. Cross the street.
3. Walk along the street toward the post office.
4. Turn right onto the street before the post office.
5. Go straight for 10 meters.
6. It's the café on your left with the picture of a large coffee cup.

**WRITING TASK**

**A. BRAINSTORM p. 58**

Answers will vary. Possible answers:

Activities you should do: go to the park, take a hike, have a picnic

Activities you shouldn't do: drink water from the tap, leave bags without someone watching them

**B. ADD DETAILS p. 58**

Answers will vary. Possible answers:

Go to the botanical gardens. / The flowers are beautiful.

Take a hike in the park with your friends. / The air is so clean there.

Don't drink water from the tap. / It's not safe to drink. Drink bottled water instead.

**C. PLAN p. 58**

Answers will vary.

**D. FIRST DRAFT p. 59**

Answers will vary.

**E. REVISED DRAFT p. 59**

Answers will vary.

**F. FINAL DRAFT p. 59**

Answers will vary.

**REVIEW**

**A. VOCABULARY p. 60**

Answers will vary.

**B. VOCABULARY EXTENSION p. 60**

Answers will vary.

**C. READING SKILL p. 60**

Answers will vary.

**D. LANGUAGE FOR WRITING p. 60**

Answers will vary.

## UNIT 4: THE VISUAL AGE

### THINK AND DISCUSS p. 61

Answers will vary.

### EXPLORE THE THEME pp. 62–63

Answers will vary. Possible answers:

1. Taking photographs was unusual. Now, everyone can do it.
2. It's interesting that the first digital camera was produced by Apple in 1994.
3. When the pandemic happened, people stopped traveling and going out, so they took fewer photos.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 64

1. find out
2. joined
3. pictures
4. clicked on
5. contact
6. hobby
7. success
8. account
9. show
10. post

#### B. USE VOCABULARY p. 64

Answers will vary.

#### C. PREDICT p. 64

Predictions will vary. Correct answer: a

### UNDERSTANDING THE READING

#### A. UNDERSTAND THE MAIN IDEA p. 67

b

#### B. SCAN FOR NUMBERS p. 67

1. 19
2. 2013
3. around two million
4. 2017
5. about 300 million

#### C. UNDERSTAND ADVICE p. 67

2, 3, 4

#### D. GUESS MEANING FROM CONTEXT p. 67

c

#### E. APPLY p. 67

Answers will vary. Possible answers:

1. my city
2. I'd take pictures of interesting doors.
3. #doors, #shanghai, #citylife

### DEVELOPING READING SKILLS

#### A. IDENTIFY EXAMPLES p. 68

1. Apps and sites such as Instagram, Imgur, and Flickr help photographers connect with large numbers of people.
2. Choose hashtags carefully. Find out which ones are popular. For example, many people use #beach.
3. Make your followers feel like they are part of a community. For example, answer their questions and share information about yourself.

#### B. IDENTIFY EXAMPLES p. 68

1. c
2. a
3. e
4. d
5. b

### VIDEO: A MILLION "LIKES"

#### A. PREVIEW p. 69

Answers will vary.

#### B. MAIN IDEAS p. 69

1, 2, 3

#### C. DETAILS p. 69

1. c
2. a
3. d
4. e
5. b

**D. REFLECT p. 69**

Answers will vary.

**READING 2**

**PREPARING TO READ**

**A. BUILD VOCABULARY p. 70**

1. real
2. strange
3. guess; wrong
4. missing
5. jump
6. come from
7. prize
8. wait; several

**B. USE VOCABULARY p. 70**

Answers will vary.

**C. PREDICT p. 70**

Answers will vary. Possible answer:

I think Photo A is fake because the skin of the shark looks too smooth.

**UNDERSTANDING THE READING**

**A. UNDERSTAND THE MAIN IDEA p. 73**

b

**B. UNDERSTAND MAIN IDEAS OF PARAGRAPHS p. 73**

c

**C. UNDERSTAND DETAILS p. 73**

1. T
2. F
3. F
4. T
5. T

**D. IDENTIFY EXAMPLES p. 73**

1. source
2. photographer
3. information
4. details
5. shadows
6. missing

**E. UNDERSTAND REASONS p. 73**

2, 3, 4, 6

**F. APPLY p. 73**

Answers will vary. Possible answers:

Ways to tell if a news story is fake: The source is not official. / The story can't be found on other sites. / The photograph with the news story looks strange. / The title is written to get people to click on it.

**VOCABULARY EXTENSION**

**A. p. 74**

1. took; uploaded
2. download
3. share
4. printed

**B. p. 74**

1. V
2. N
3. N
4. V
5. N

**WRITING**

**EXPLORING WRITTEN ENGLISH**

**A. NOTICE p. 75**

1. He waited for a whole day to get the photo he wanted.
2. Someone put several photos together to create the photo.
3. Look at other accounts to find out which hashtags are popular.
4. Check the source of a photo to tell if it is real.

**B. IDENTIFY p. 75**

1. c
2. b
3. a
4. e
5. d

**C. APPLY p. 75**

1. most people use their smartphones.
2. share photos with friends, many people use Facebook.
3. To look up new words, I use a dictionary.
4. To see their photos on your feed, follow their Instagram account.
5. To make my photos look nicer, I edit them.

**D. REFLECT p. 76**

Answers will vary. Possible answers:

1. Some people use social media apps to meet new people.
2. I use my map app the most. I use it to get around the city on my bike.
3. Many people still use email to communicate for work.
4. Some people share photos on social media to keep in touch with friends.

**E. NOTICE p. 76**

1. He takes photographs for magazines ~~and~~ books.
2. Is anything in the photo too big ~~or~~ too small?
3. The water around the shark looks strange, ~~and the sky is too blue.~~
4. You can share photos on platforms like Instagram, Flickr, ~~or~~ Behance.
5. He never thought he would be successful, ~~but he was wrong.~~

**F. APPLY p. 77**

1. but
2. but
3. or; but
4. or
5. but
6. or
7. or
8. or

**G. APPLY p. 77**

1. and
2. , but
3. or / and
4. or / and
5. , but

**H. APPLY p. 77**

1. I like to bring my camera out to take photos, but it is very heavy.
2. Do you prefer Gmail or Yahoo Mail?
3. Before I buy new technology, I read reviews and get recommendations from my friends.
4. I use my phone to listen to podcasts, watch movies, and send emails.
5. I can call people using my smartwatch, but I prefer to use my phone.
6. I comment on people's photos on Facebook, but I don't comment on news articles.

**WRITING TASK**

**A. BRAINSTORM p. 78**

Answers will vary. Possible answers:

Snapchat; Google Maps; WhatsApp; Gmail; Spotify; TripAdvisor

**B. ORGANIZE IDEAS p. 78**

Answers will vary.

**C. PLAN p. 78**

Answers will vary.

**D. FIRST DRAFT p. 79**

Answers will vary.

**E. REVISED DRAFT p. 79**

Answers will vary.

**F. FINAL DRAFT p. 79**

Answers will vary.

**REVIEW**

**A. VOCABULARY p. 80**

Answers will vary.

**B. VOCABULARY EXTENSION p. 80**

Answers will vary.

**C. READING SKILL p. 80**

for example, such as

**D. LANGUAGE FOR WRITING p. 80**

Answers will vary.

## UNIT 5: RISK-TAKING

### THINK AND DISCUSS p. 81

Answers will vary.

### EXPLORE THE THEME pp. 82–83

1. Answers will vary. Possible answer:  
He is flyboarding. I think it looks fun. I'd like to try it, too!
2. Research says that young men are more likely to take risks.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 84

1. business
2. activity
3. pleasant
4. afraid
5. dangerous

#### B. BUILD VOCABULARY p. 84

1. c
2. d
3. e
4. b
5. a

#### C. USE VOCABULARY p. 84

Answers will vary. Possible answers:

1. hiking, watching TV
2. to learn English, to buy a car
3. do homework, listen to the teacher

#### D. PREDICT p. 84

Predictions will vary. Correct answer: c

### UNDERSTANDING THE READING

#### A. UNDERSTAND MAIN IDEAS p. 87

1. b
2. d
3. c
4. a

#### B. UNDERSTAND DETAILS p. 87

1. a
2. a
3. b

#### C. IDENTIFY EXAMPLES p. 87

1. c
2. a
3. d
4. b

#### D. APPLY p. 87

Answers will vary. Possible answers:

Goal-driven risk-takers: My uncle quit his job to help deliver meals to the needy.

Professional risk-takers: motor racing drivers, such as Lewis Hamilton

Everyday risk-takers: Me! I took a risk crossing a busy street.

### DEVELOPING READING SKILLS

#### A. GUESS MEANING FROM CONTEXT p. 88

1. b
2. c
3. a
4. d

#### B. GUESS MEANING FROM CONTEXT p. 88

1. expedition; noun
2. social; adjective
3. financial; adjective
4. thrill; noun
5. extreme; adjective
6. create; verb

### VIDEO: FREEDIVING

#### A. PREVIEW p. 89

Answers will vary.

#### B. MAIN IDEA p. 89

b

#### C. DETAILS p. 89

a, c, d

#### D. REFLECT p. 89

Answers will vary.

## READING 2

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 90

1. trouble
2. difficult
3. size
4. without
5. beside
6. close
7. strong
8. follow
9. ready
10. help

#### B. USE VOCABULARY p. 90

Answers will vary. Possible answers:

1. weightlifting, wrestling, javelin throwing
2. Russia, Mongolia, India
3. rhinoceros, hippo, moose

#### C. PREDICT p. 90

Answers will vary. Possible answers:

Alex Honnold is a rock climber. Mountain climbing is risky because you can fall and seriously injure yourself. Brian Skerry is an underwater photographer. Underwater photography is risky because there could be a problem with diving equipment, or you could meet a dangerous animal. In both jobs, you could possibly die.

### UNDERSTANDING THE READING

#### A. UNDERSTAND MAIN IDEAS OF PARAGRAPHS p. 93

b

#### B. UNDERSTAND DETAILS p. 93

Alex Honnold: c, d

Brian Skerry: b, f

Both: a, e

#### C. UNDERSTAND QUOTES p. 93

1. a
2. b

#### D. GUESS MEANING FROM CONTEXT p. 93

1. professional; adj
2. awareness; n
3. grip; v

#### E. SYNTHESIZE p. 93

Answers will vary. Possible answer:

I think Alex Honnold takes the biggest risks because if he falls, there is no rope to catch him.

### VOCABULARY EXTENSION

#### A. p. 94

1. adventurous
2. famous
3. mysterious
4. mountainous
5. dangerous

#### B. p. 94

1. class size
2. right size
3. wrong size
4. shoe size
5. average size

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. APPLY p. 95

1. do not enjoy/don't enjoy
2. are not/aren't
3. does not use/doesn't use
4. are not/aren't
5. do not like/don't like
6. do not agree/don't agree
7. are not/aren't
8. do not want/don't want

#### B. APPLY p. 96

1. Marvin Zuckerman isn't/is not an extreme athlete.
2. Most people don't/do not enjoy dangerous activities.
3. Most of us aren't/are not extreme athletes.
4. They don't/do not take a lot of risks.

5. Brian Skerry doesn't/does not work in the jungle.
6. The right whale isn't/is not a small animal.

**C. APPLY p. 96**

1. I don't want to go skateboarding.
2. Most people do not/don't like to take risks.
3. We do not/don't enjoy dangerous sports.
4. Good students do not start studying for a test at the last minute.
5. She doesn't want to give a presentation.

**D. REFLECT p. 96**

Answers will vary. Possible answers:

1. I don't eat right before bed.
2. I don't watch TV every evening.
3. I don't drink soda.
4. I don't go to bed very late.

**E. APPLY p. 97**

1. It's never safe to skateboard without a helmet.
2. Skydivers always wear protective suits.
3. Skerry often meets different sea creatures in his work.
4. Surfing is sometimes dangerous.
5. I rarely take risks with my money.
6. Shy people don't usually / usually don't enjoy talking to large groups of people.

**F. REFLECT p. 97**

Answers will vary. Possible answers:

1. I sometimes travel alone.
2. I rarely speak in front of large groups.
3. I never study for a test at the last minute.

**G. REFLECT p. 97**

Answers will vary. Possible answers:

1. I always do my homework.
2. My teacher sometimes gives me a bad grade.
3. My computer never works.

**WRITING TASK**

**A. BRAINSTORM p. 98**

Answers will vary. Possible answers:

Risks I take: climb mountains, meet new people, go snowboarding, sleep late

Risks I avoid: buy expensive things, ask someone on a date, sleep outside

**B. RATE p. 98**

Answers will vary. Possible answers:

Risk 1: climb mountains; rarely

Risk 2: meet new people; sometimes

Risk 3: go snowboarding; often

**C. PLAN p. 98**

Answers will vary.

**D. FIRST DRAFT p. 99**

Answers will vary.

**E. REVISED DRAFT p. 99**

Answers will vary.

**F. FINAL DRAFT p. 99**

Answers will vary.

**REVIEW**

**A. VOCABULARY p. 100**

Answers will vary.

**B. VOCABULARY EXTENSION p. 100**

Answers will vary.

**C. READING SKILL p. 100**

Answers will vary.

**D. LANGUAGE FOR WRITING p. 100**

Answers will vary. Possible answers:

1. I often ride my bicycle on the road.
2. I don't usually talk to people I don't know.



## UNIT 6: SAVING THE WILD

### THINK AND DISCUSS p. 101

Answers will vary.

### EXPLORE THE THEME pp. 102–103

1. blue-throated macaw
2. habitat loss, hunting, farming, and being caught for pets

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 104

1. rise
2. cool
3. over/under; under/over

#### B. BUILD VOCABULARY p. 104

1. b
2. d
3. c
4. a

#### C. USE VOCABULARY p. 104

Answers will vary. Possible answers:

1. Mongolia, Singapore, New Zealand
2. wolves, squirrels, deer
3. temperature, population, prices

#### D. PREDICT p. 104

Predictions will vary. Correct answers:  
human activity, climate change

## UNDERSTANDING THE READING

### A. UNDERSTAND MAIN IDEAS OF PARAGRAPHS p. 107

1. D
2. C
3. A
4. E
5. B

### B. UNDERSTAND DETAILS p. 107

1. c
2. c
3. a

### C. IDENTIFY A SEQUENCE p. 107

1. sea levels
2. beaches
3. eggs
4. eggs
5. male

## DEVELOPING READING SKILLS

### A. IDENTIFY REASONS p. 108

1. Farmers were destroying bamboo forests.
2. People are protecting the forests pandas live in.
3. There are chemicals in the meat.
4. The ocean has dangerous chemicals in it.

### B. IDENTIFY REASONS p. 108

Answers will vary. Possible answers:

1. The population is getting smaller because of human activities and climate change.
2. Conservationists have worked to protect nesting areas, so numbers are increasing in Florida.

## VIDEO: SAVING LEMURS

### A. PREVIEW p. 109

Answers will vary.

### B. MAIN IDEAS p. 109

1, 3

### C. DETAILS p. 109

1. b
2. a

### D. SYNTHESIZE p. 109

Answers will vary. Possible answer:

I would like to help lemurs because they are primates like us.

## READING 2

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 110

1. disappear
2. care
3. probably
4. latest
5. fortunately

#### B. BUILD VOCABULARY p. 110

1. d
2. b
3. a
4. e
5. c

#### C. USE VOCABULARY p. 110

Answers will vary. Possible answers:

1. I care about giant pandas because they are from my home country.
2. West African black rhinoceros, quagga, Javan tiger, Baiji white dolphin

#### D. PREDICT p. 110

Predictions will vary. Correct answer:  
b

## UNDERSTANDING THE READING

#### A. UNDERSTAND THE MAIN IDEA p. 113

c

#### B. UNDERSTAND DETAILS p. 113

1. b
2. c
3. a
4. d

#### C. SCAN FOR NUMBERS p. 113

1. Five billion
2. Three months (old)
3. 2022

#### D. GUESS MEANING FROM CONTEXT p. 113

1. background
2. gently
3. creature

#### E. EVALUATE p. 113

Answers will vary. Possible answers:

1. Duke Lemur Center: has a large population of lemurs outside of Madagascar, helps to raise baby lemurs; Photo Ark: educates others, encourages people to do something to help
2. I think the Duke Lemur Center's approach is most useful because they are helping to increase the lemur population.

## VOCABULARY EXTENSION

#### A. p. 114

1. smaller than
2. heavier than
3. more adventurous than
4. warmer than
5. safer than

#### B. p. 114

1. wrote
2. talk
3. think
4. care

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. IDENTIFY p. 115

1. a
2. b
3. b
4. a
5. b

**B. APPLY p. 116**

1. , so
2. , so
3. because
4. , so
5. because

**C. APPLY p. 116**

1. I want to save money, so I take the bus to school every day.
2. We recycle plastic because we don't want to pollute the oceans. / Because we don't want to pollute the oceans, we recycle plastic.
3. Our city planted trees because we wanted to have cleaner air. / Because we wanted to have cleaner air, our city planted trees.
4. I want to save electricity, so I turn off the lights when I leave a room.
5. We use both sides of the paper because we want to save trees. / Because we want to save trees, we use both sides of the paper.
6. I ride a bicycle to work because I care about the environment. / Because I care about the environment, I ride a bicycle to work.

**D. APPLY p. 116**

1. Some animals are affected by climate change, so we need to help them.
2. Sartore's job is risky because some of the animals he photographs are dangerous.
3. Fuentes wrote a book about sea turtles because she wanted people to learn about them.
4. The sea turtle nests are in the sand, so flooding can destroy their eggs.

**E. APPLY p. 117**

1. is using
2. is helping
3. are destroying
4. are losing; is melting
5. are working

**F. APPLY p. 117**

1. In some places, sea turtle populations are going up.
2. Sea turtle habitats are in danger because temperatures are rising.

3. The ocean is getting warmer every year.
4. Humans are destroying many animals' habitats.
5. Many snow leopards have lost their homes, so governments are creating protected areas for them.

**WRITING TASK**

**A. BRAINSTORM p. 118**

Answers will vary. Possible answers: polar bear; the Arctic region; 22,000–31,000; Sea ice is disappearing because of climate change.

**B. ADD DETAILS p. 118**

Answers will vary. Possible answers: protecting the sea ice; creating programs with communities in the Arctic; counting the animals in the wild

**C. PLAN p. 118**

Answers will vary.

**D. FIRST DRAFT p. 119**

Answers will vary.

**E. REVISED DRAFT p. 119**

Answers will vary.

**F. FINAL DRAFT p. 119**

Answers will vary.

**REVIEW**

**A. VOCABULARY p. 120**

Answers will vary.

**B. VOCABULARY EXTENSION p. 120**

Answers will vary.

**C. READING SKILL p. 120**

They are endangered because people and other animals kill them. They are also losing their habitats.

**D. LANGUAGE FOR WRITING p. 120**

Answers will vary.

## UNIT 7: ANCIENT BUILDERS

### THINK AND DISCUSS p. 121

Answers will vary.

### EXPLORE THE THEME pp. 122–123

1. 66 meters tall
2. Answers will vary.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 124

1. ago
2. famous
3. history
4. cut
5. made of

#### B. BUILD VOCABULARY p. 124

1. a
2. d
3. b
4. e
5. c

#### C. USE VOCABULARY p. 124

Answers will vary.

#### D. PREDICT p. 124

Answers will vary. Possible answer:

I think the buildings are unusual because they are all cut from rock.

### UNDERSTANDING THE READING

#### A. UNDERSTAND THE MAIN IDEA p. 127

a

#### B. UNDERSTAND DETAILS p. 127

1. (Arabian) desert
2. The Nabataeans
3. 16 meters
4. India

5. eighth century
6. King Krishna I
7. (over) 1,000
8. four meters

#### C. IDENTIFY REASONS p. 127

Because they are made of rock

#### D. RANK INFORMATION p. 127

2, 1, 3

#### E. ANALYZE p. 127

Answers will vary. Possible answer:

I think the Kailasa temple was the most difficult to build because it is so big and the rock looks very hard to cut.

### DEVELOPING READING SKILLS

#### A. UNDERSTAND PRONOUN REFERENCE p. 128

1. these buildings
2. tombs
3. the Nabataeans
4. The Kailasa temple
5. King Krishna I; the temple

#### B. UNDERSTAND PRONOUN REFERENCE p. 128

1. he; a homeowner
2. it; wall
3. They; (other) rooms

### VIDEO: MYSTERIOUS MOAI

#### A. PREDICT p. 129

Answers will vary.

#### B. MAIN IDEAS p. 129

1, 2, 4

#### C. DETAILS p. 129

1. 3,700
2. 1,000
3. 1,043
4. 4

#### D. REFLECT p. 129

Answers will vary

## READING 2

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 130

1. perfect
2. carefully
3. look like
4. fit
5. heavy

#### B. BUILD VOCABULARY p. 130

1. b
2. d
3. a
4. c
5. e

#### C. USE VOCABULARY p. 130

Answers will vary. Possible answers:

1. homework
2. The Kailasa temple was built in the 8th century.
3. a truck

#### D. PREDICT p. 130

Predictions will vary. Correct answer:  
c

### UNDERSTANDING THE READING

#### A. UNDERSTAND THE MAIN IDEA p. 133

c

#### B. UNDERSTAND MAIN IDEAS OF PARAGRAPHS p. 133

b

#### C. UNDERSTAND DETAILS p. 133

1. Rome
2. Appian Way
3. straight
4. soldiers
5. goods
6. Roman Empire

#### D. UNDERSTAND PRONOUN REFERENCE p. 133

Romans; the Appian Way

#### E. GUESS MEANING FROM CONTEXT p. 133

b

#### F. SYNTHESIZE p. 133

Answers will vary.

### VOCABULARY EXTENSION

#### A. p. 134

1. record; recordings
2. building
3. paintings
4. ends
5. meets; meeting
6. beginning; ending

#### B. p. 134

1. an explorer
2. A photographer
3. a builder
4. A teacher
5. a director

### WRITING

### EXPLORING WRITTEN ENGLISH

#### A. NOTICE p. 135

2, 3, 5

#### B. APPLY p. 135

started; finished; used; helped; allowed; looked; built;  
went; cut; spread; made; took

#### C. APPLY p. 136

1. started
2. took
3. traveled
4. used
5. tried
6. fitted/fit
7. built
8. made
9. went
10. helped

**D. APPLY p. 136**

1. The Nabataeans built them around 2,000 years ago.
2. It took many years to build it.
3. A homeowner discovered it.

**E. REFLECT p. 136**

Answers will vary. Possible answers:

1. I watched a movie last night.
2. I started exercising two years ago.
3. I saw my friends last weekend.
4. I studied for my English test yesterday.
5. I went to Mexico last year.

**F. IDENTIFY p. 137**

1. A
2. P
3. P
4. A
5. P

**G. APPLY p. 137**

1. Tombs were built in Mada'in Saleh.
2. The tombs were built thousands of years ago.
3. The tombs are visited by thousands of people every year.

**H. APPLY p. 137**

1. was built
2. was cut
3. was made
4. was covered
5. was found
6. is visited

**WRITING TASK**

**A. BRAINSTORM p. 138**

Answers will vary. Possible answers:

Leaning Tower of Pisa; Italy; looks like it's going to fall over; took 200 years to build; bell tower

**B. ADD DETAILS p. 138**

Answers will vary. Possible answers:

1. 14th century
2. Bonanno Pisano, Giovanni di Simone, and Tommaso Pisano
3. About 57 meters

**C. PLAN p. 138**

Answers will vary.

**D. FIRST DRAFT p. 139**

Answers will vary.

**E. REVISED DRAFT p. 139**

Answers will vary.

**F. FINAL DRAFT p. 139**

Answers will vary.

**REVIEW**

**A. VOCABULARY p. 140**

Answers will vary.

**B. VOCABULARY EXTENSION p. 140**

1. Answers will vary.
2. a. builder  
b. writer  
c. actor  
d. teacher

**C. READING SKILL p. 140**

Answers will vary.

**D. LANGUAGE FOR WRITING p. 140**

Answers will vary.

## UNIT 8: ALIEN WORLDS

### THINK AND DISCUSS p. 141

Answers will vary.

### EXPLORE THE THEME pp. 142–143

1. Answers will vary.
2. The Milky Way is our galaxy. It has billions of stars.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 144

1. discover
2. reach
3. excited
4. suitable
5. near
6. distance
7. life
8. within
9. single
10. dark

#### B. USE VOCABULARY p. 144

1. Jupiter; Venus
2. Answers will vary.

#### C. PREDICT p. 144

Questions asked: Are there other planets like Earth?

Could humans live on them one day?

Possible answers: I think that we could live on Mars one day. / I don't think that humans could live on any other planet.

### UNDERSTANDING THE READING

#### A. UNDERSTAND MAIN IDEAS OF PARAGRAPHS p. 147

1. E
2. C
3. B
4. D
5. F

#### B. UNDERSTAND DETAILS p. 147

1. T
2. F
3. F

#### C. UNDERSTAND PRONOUN REFERENCE p. 147

Andreas Tziolas; Alpha Centauri

#### D. UNDERSTAND FACTS p. 147

1. 39
2. cooler
3. 7 / seven
4. close
5. Earth

#### E. IDENTIFY SPECULATION p. 147

2, 3, 4

### DEVELOPING READING SKILLS

#### A. TAKE NOTES p. 148

1. technology
2. 5,200
3. Earth
4. distance
5. Alpha Centauri
6. thousands
7. Andreas Tziolas
8. 100

### VIDEO: EXOPLANETS

#### A. PREVIEW p. 149

Exoplanets are planets that orbit stars other than our sun.

#### B. MAIN IDEAS p. 149

1. T
2. T
3. F
4. F

#### C. DETAILS p. 149

1. Neptune-like planet
2. hot Jupiter
3. Earth analog
4. super-Earth

**D. REFLECT p. 149**

Answers will vary.

**READING 2**

**PREPARING TO READ**

**A. BUILD VOCABULARY p. 150**

1. assistant
2. group
3. search
4. adult
5. far

**B. BUILD VOCABULARY p. 150**

1. e
2. a
3. b
4. d
5. c

**C. USE VOCABULARY p. 150**

Answers will vary.

**D. BRAINSTORM p. 150**

Answers will vary.

**E. PREDICT p. 150**

Predictions will vary. Possible answer:  
Tatooine is a planet with two suns, like the one in  
*Star Wars*.

**UNDERSTANDING THE READING**

**A. UNDERSTAND THE MAIN IDEA p. 153**

c

**B. TAKE NOTES p. 153**

1. exist
2. half
3. Tatooine
4. Konacki
5. light
6. Solaris

**C. GUESS MEANING FROM CONTEXT p. 153**

encouraged

**D. IDENTIFY SPECULATION p. 153**

He believed that the universe has many planets like  
the ones in *Star Wars*.

**E. RANK INFORMATION p. 153**

Answers will vary.

**VOCABULARY EXTENSION**

**A. p. 154**

1. certain
2. unsurprising
3. unsuitable

**B. p. 154**

Answers will vary. Possible answers:

1. I think it is unlikely that humans will live on  
another planet because other planets are too far  
away.
2. I would be happy living on another planet because  
it would be new and exciting.

**C. p. 154**

1. sadness; illness
2. fitness
3. kindness
4. happiness

**WRITING**

**EXPLORING WRITTEN ENGLISH**

**A. APPLY p. 155**

1. Sometimes you can see Mars from your house.
2. A good telescope can show you many stars.
3. Space exploration can solve problems on Earth.
4. Humans can't travel to exoplanets yet.
5. Andreas Tziolas thinks we can travel to another  
star system.

**B. APPLY p. 155**

1. can't see
2. can find
3. can teach
4. can make
5. can't run



**C. APPLY p. 156**

1. Some robots can help patients in hospitals.
2. I think people can learn about Earth by studying other planets.
3. New technology means we can build homes underground now.
4. The new James Webb Space Telescope can find many more exoplanets.
5. The sky is very clear, so we can see Venus tonight.

**D. REFLECT p. 156**

Answers will vary. Possible answers:

1. I can play the piano.
2. I can speak English.
3. I can't play the guitar.
4. I can't speak Japanese.

**E. REFLECT p. 156**

Answers will vary.

**F. REFLECT p. 157**

Answers will vary. Possible answers:

1. I don't think studying space is a waste of time. I believe it can help us understand Earth better.
2. I don't think space exploration is interesting. I think there's nothing other than rocks in space.
3. I think robot assistants like Jibo are useful. I believe they can help us complete tasks more easily.
4. I think Star Wars movies are boring. I think science fiction movies are not very interesting.
5. I think we will travel to another start in the next few decades. But I believe it will be very expensive to do so.

**G. REFLECT p. 157**

Answers will vary.

**WRITING TASK**

**A. BRAINSTORM p. 158**

Answers will vary. Possible answers:

It can help us understand Earth better. / We can learn about the history of our solar system. / It is dangerous, and it does not benefit us. / We should use the money to help poor people.

**B. p. 158**

Answers will vary.

**C. ADD DETAILS p. 158**

Answers will vary.

**D. PLAN p. 158**

Answers will vary.

**E. FIRST DRAFT p. 159**

Answers will vary.

**F. REVISED DRAFT p. 159**

Answers will vary.

**G. FINAL DRAFT p. 159**

Answers will vary.

**REVIEW**

**A. VOCABULARY p. 160**

Answers will vary.

**B. VOCABULARY EXTENSION p. 160**

Answers will vary.

**C. READING SKILL p. 160**

It can't fix the problems on Earth. The money can help people in other ways. The benefits of space exploration are too far in the future.

**D. LANGUAGE FOR WRITING p. 160**

Answers will vary.