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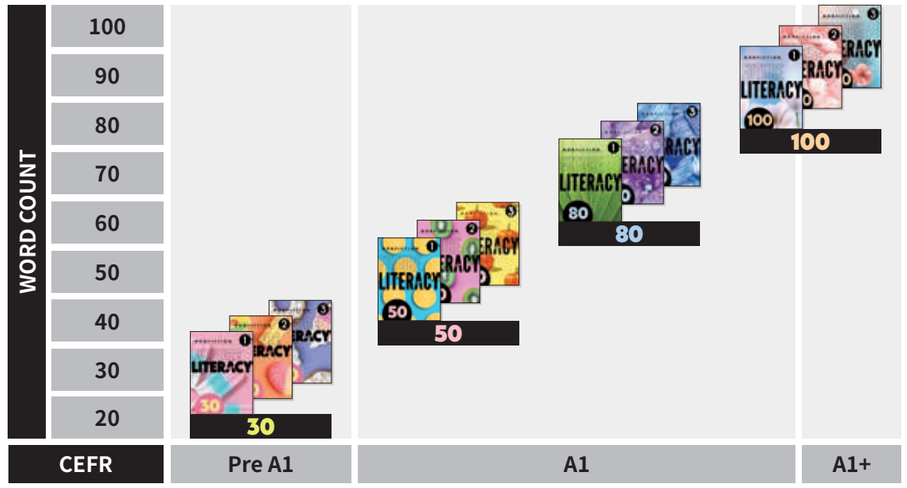
NONFICTION

FUTURE LITERACY 2 100

Future Literacy 100 is a three-level reading series for beginner to intermediate learners of English. Each level has three books that increase students' literacy skills. Each book contains interesting nonfiction passages covering a broad range of school subjects. Students gradually expand their vocabulary through exposure to high-frequency and practical vocabulary related to the unit topics. Students build their literacy skills through a sequential cycle of interconnected modules focusing on the following: Vocabulary, Writing, Background Knowledge, and Digital Reading.

FEATURES

- Direct correlation with most major school subjects, including social studies, science, math, art, music, physical education, literature, careers, language arts, and more
- Informative passages that describe the amazing world we live in
- Fun-filled vocabulary learning with the exciting Word Kingdom game
- Diverse question types that challenge students to analyze, evaluate, and synthesize information



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ISBN 978-1-68591-666-4

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FUTURE LITERACY READING 100

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For Review Only

MUSIC



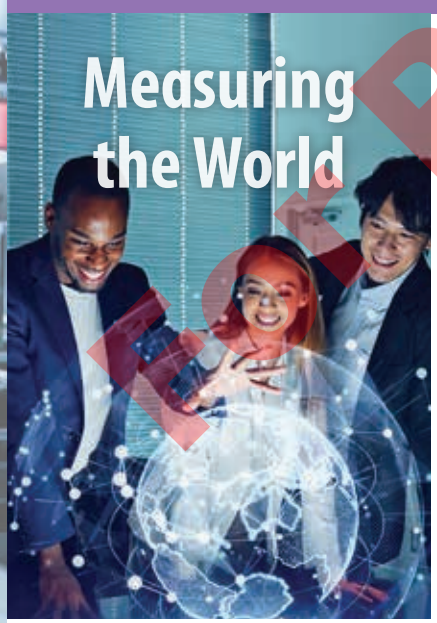
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ICT Review Only

SCOPE AND SEQUENCE

SUBJECT	UNIT	TITLE	VOCABULARY
SCIENCE	1	Robot Firefighters	**fire, brave, battle, fit, joystick, meter**
	2	Cleaning Up Space Garbage	waste, ton, spaceship, clean up, solution, powerful
	3	Cars That Drive Themselves	**type, vehicle, prevent, distance, crash, trust**
	4	Intelligent Machines	**enemy, solve, intelligent, chess, beat, champion**
LANGUAGE ARTS	5	Baseball Signs	**baseball, notice, variety, glove, pitcher, communicate**
	6	Hieroglyphics	ancient, complicated, discover, expert, dictionary, translate
	7	How Animals Communicate	unique, chemical, path, vibrate, smack, produce
	8	Barcodes and QR Codes	**airline, luggage, ticket, stripe, scan, item**
MUSIC	9	The Theremin	electronic, wooden, antenna, wave, current, spooky
	10	Beat Machines	**recording, cymbal, drummer, mistake, always, perfect**
	11	Auto-Tune	**attention, tune, software, natural, nearly, tone**
	12	The Changing Shape of Music	**concert hall, disc, heavy, cassette, pocket, stream**
MATH	13	Weighing a Planet	weight, planet, moon, orbit, gravity, pull
	14	The First Scales	**trade, value, worth, merchant, weigh, equal**
	15	Catching Rain	**flood, wipe out, speed, drop, times, defend**
	16	Weather Models	**blizzard, predict, information, moisture, model, forecast**

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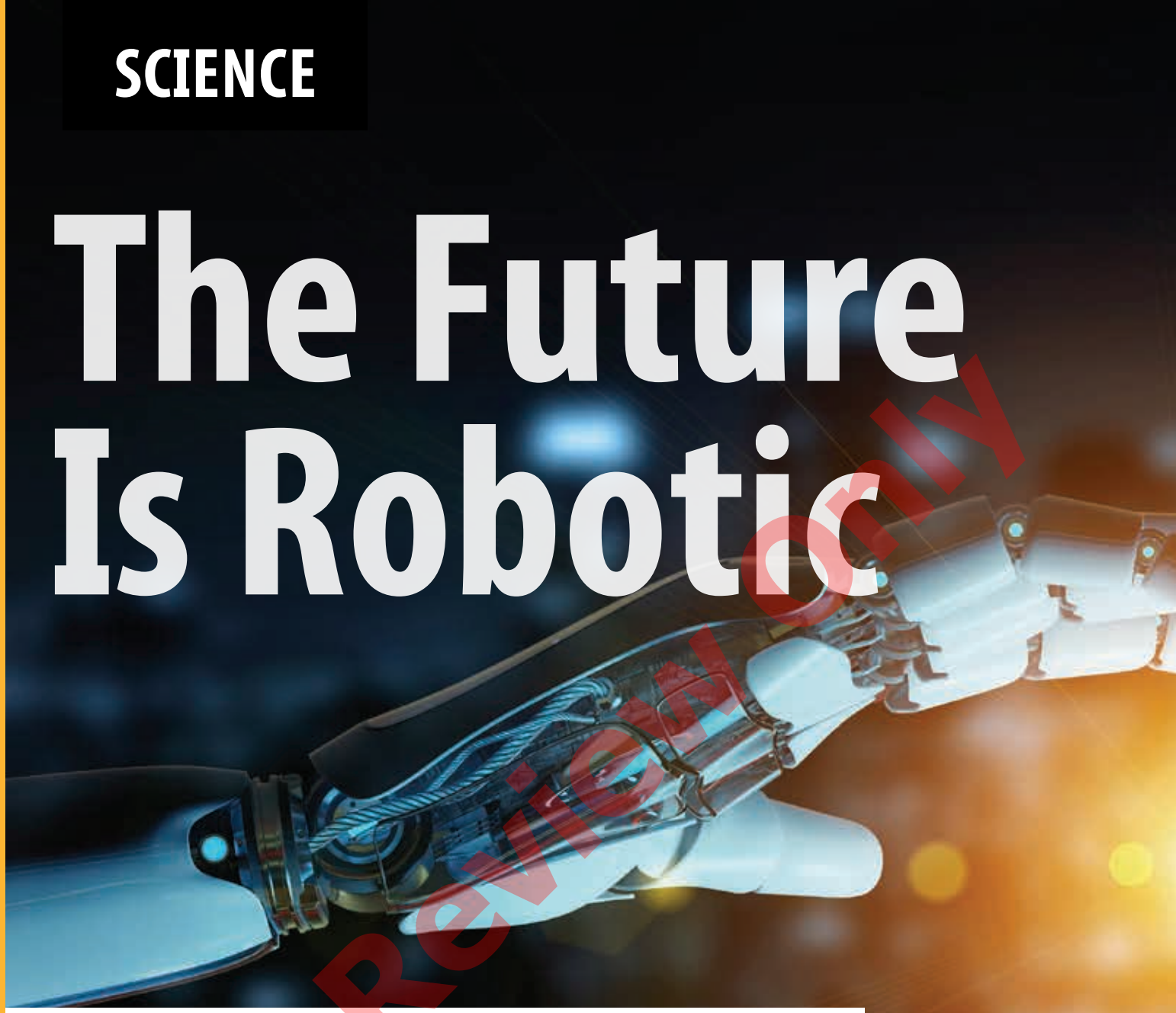
V Vocabulary
W Writing
B Background Knowledge
D Digital Reading

KEY PATTERN	LITERACY UPGRADE
In the future, we'll have robots to protect us.	V Graphic Organizer, Unlocking the Secret Message
It **is called** space debris.	W It's time to clean it up. / Then they can bring it back to Earth.
Companies are making **a new type of** car.	B AI
The first intelligent robot **was built in** the 1970s.	D Conversation with a Chatbot
The pitcher and the other players stand **far apart**.	V Graphic Organizer, Baseball
This stone had **the same** text written in hieroglyphics and Greek.	W Most languages are written in one direction.
Human language **seems unique**.	B Sign Language
A barcode **looks like** black stripes.	D Website Instructions
The way that you play the theremin is also strange.	V Graphic Organizer, Definitions
They never **get tired**.	W Drum machines are better than human drummers in some ways.
But fixing it **used to** take a long time.	B Types of Music
But these machines were **too** heavy **to** take around easily.	D App Review
They need to know the distance **between** the planet **and** the moon.	V Graphic Organizer, Choosing Correct Words, Filling in the Blanks
For example, one cow was worth three goats.	W Stones were added until the two plates were equal.
Scientists can tell how much rain is falling **per hour**.	B Drought
They **keep an eye on** how the air moves.	D Weather Forecast Script

For Review Only

SCIENCE

The Future Is Robotic



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Academic Objectives

- Make predictions about the roles robots and technology will take in our lives.
- Recognize the possible pros and cons of technological advances.

Read and Think

- What do we use robots for now?
- What jobs do you think robots will do in the future?



Vocabulary Preview

1
battle
brave
fire
fit
joystick
meter

2
clean up
powerful
solution
spaceship
ton
waste

3
crash
distance
prevent
trust
type
vehicle

4
beat
champion
chess
enemy
intelligent
solve

PLAY
Game

For Review Only

1 Robot Firefighters

AUDIO



WARM UP

In the future, robots will do many jobs that are difficult, dangerous, or dirty.

Answer the questions.

- Can you think of any dangerous jobs?
- Could a robot do those jobs? Why or why not?

For Review

VOCABULARY ZONE

A Write the correct words and listen. TRACK 02

fire	brave	battle	fit	joystick	meter

1. 

2. 

3. 

4. 

5. 

6. 

B Match the words to the meanings.

1. fit	•	•	a basic unit of length equal to one hundred centimeters
2. joystick	•	•	the control stick for an airplane, computer, or game
3. meter	•	•	to be the right shape and size

C Fill in the blanks with the words from the box.

brave	battle	fire

1. She was _____ during the thunderstorm and didn't cry.
2. The two teams will _____ for the trophy.
3. The _____ burned brightly in the fireplace.

For Review Only

A **Listen and read out loud.** TRACK 03

Fighting fires is a dangerous and dirty job. Brave people battle fires every day. In the future, we'll have robots to protect us.

There are different firefighting robots. One is small and can fit through doors. It's quick. A human controls it with a joystick. Another is much bigger. It sprays water 90 meters and fights huge fires. One firefighting robot even has hands and a face. It walks and carries a hose.



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WATCH

Scientists are now teaching it to talk. This is an exciting step forward. Soon firefighters will have lots of robot helpers.



KEY PATTERN

Practice the key pattern.

✓ **In the future,** we'll have robots to protect us.
In the future, people might live on other planets.
In the future, we could have new kinds of food.

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B Write your own sentence with the key pattern.

_____

C Follow the directions.

1. What are the different kinds of robots mentioned in the text? Underline the sentence(s) in the reading.
2. Who will have robots to help them in their job? Circle the word(s) in the reading.

LITERACY TRAINING

A Read and choose the correct answers.

MAIN IDEA **1.** What is the reading mainly about?

ⓐ reasons why humans are better firefighters than robots
ⓑ how robots will fight fires in the future
ⓒ reasons why firefighting is a difficult job
ⓓ the process of training firefighters

VOCABULARY **2.** Which word or phrase is similar to protect?

ⓐ keep safe ⓑ talk to ⓒ control ⓓ throw away

DETAIL **3.** One kind of robot is controlled with a _____.

ⓐ joystick ⓑ hose ⓒ helper ⓓ step

INFERENCE **4.** In the future, what will firefighters have more of?

ⓐ flying cars
ⓑ robot helpers
ⓒ simple joysticks
ⓓ long hoses

B Read and write the sentence number(s) of the true sentence(s).

1. The big firefighting robot sprays water one meter.
2. One firefighting robot has hands.
3. Scientists are teaching the firefighting robot to dance.

_____

C Read and fill in the blanks.

1. Fighting fires is a(n) _____ and dirty job.

2. The small firefighting robot can fit through _____.

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LITERACY UPGRADE Vocabulary

A Complete the graphic organizer. One word is extra.

firefighters dangerous robot water fire

What	Firefighters will have (1) _____ helpers in the near future.				
Who	Brave (2) _____ battle fires every day.	**When**	In the future, they will have robots to protect them.	**Why**	Firefighting is a (3) _____ and dirty job.
How	• a small robot that fits through doors • a bigger robot that sprays (4) _____ very far • a robot with a face and hands that walks and carries a hose				

B Look at the pictures, fill in the boxes, and unlock the secret message.

1. 
2. 
3. 
4. 
5. 

6. 

1. _ _ _ (9)
2. _ _ _ _ (8, 10)
3. _ _ _ _ _ (7)
4. _ _ _ _ _ _ _ _ (2, 5, 6)
5. _ _ _ _ _ (1)
6. _ _ _ _ _ _ (3, 4)

							N		
1	2	3	2	4	6	7			
							G	H	
8	9	1	10	5	8	9			4

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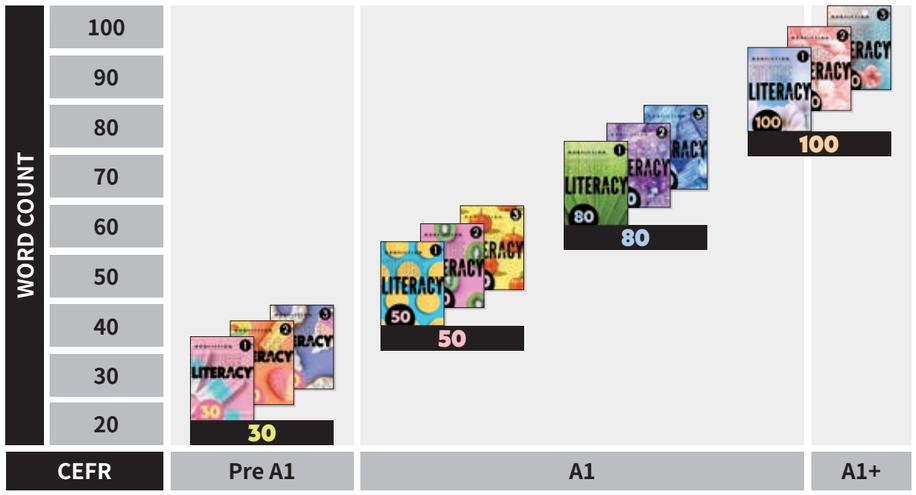
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2

FUTURE LITERACY READING

100

WORKBOOK



1 Robot Firefighters

VOCABULARY CHECK

Complete the puzzle and find the secret word.

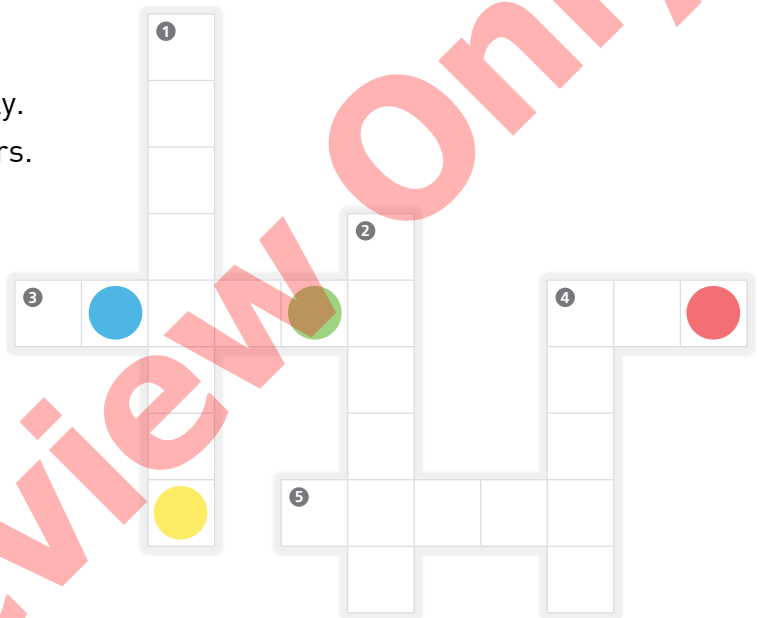
fires	brave	battle	fit	joystick	meters

Across →

3. Brave people _____ fires every day.
4. One robot can _____ through doors.
5. Firefighters are very _____.

Down ↓

1. A human controls the robot with a _____.
2. It sprays water 90 _____.
4. It can fight huge _____ with big sprays of water.



Secret word: _ _ _ _

SENTENCE CHECK

Unscramble the sentences.

1. is a | job | Fighting fires | dangerous and dirty

_____.

2. robots to | we'll have | In the future, | protect us

_____.

3. walks | One firefighting robot | and carries | a hose

_____.

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COMPREHENSION CHECK

A Check the correct sentences.

1. 

- [ ] One robot can carry a hose.
- [ ] One robot can use a joystick.

2. 

- [ ] One robot looks like a joystick.
- [ ] One robot looks like a person.

3. 

- [ ] Firefighters have an easy job.
- [ ] Firefighters have a dangerous job.

B Circle T for true or F for false.

1. Firefighting is a safe and boring job. T F
2. One kind of robot can walk and carry things. T F
3. All robot firefighters can talk. T F

SUMMARY

Complete the summary.

brave	dirty	hands	helpers	meters	protect

(1) _____ people battle fires every day. It's a dangerous and (2) _____ job. In the future, they'll have robots to (3) _____ them from fires. There are different firefighting robots. One sprays water 90 (4) _____ and fights huge fires. Another even has (5) _____ and a face. It can walk and carry a hose. It may even learn to talk. These robots will be great (6) _____ for firefighters.

For Review Only