# EV/OLV/E



## CAMBRIDGE UNIVERSITY PRESS

University Printing House, Cambridge CB2 8BS, United Kingdom

One Liberty Plaza, 20th Floor, New York, NY 10006, USA

477 Williamstown Road, Port Melbourne, VIC 3207, Australia

314–321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre, New Delhi – 110025, India

79 Anson Road, #06-04/06, Singapore 079906

Cambridge University Press is part of the University of Cambridge.

It furthers the University's mission by disseminating knowledge in the pursuit of education, learning and research at the highest international levels of excellence.

www.cambridge.org

Information on this title: www.cambridge.org/9781108409094

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First published 2020

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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
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Printed in Dubai by Oriental Press

A catalogue record for this publication is available from the British Library

ISBN 978-1-108-40535-5 Student's Book

ISBN 978-1-108-40514-0 Student's Book A

ISBN 978-1-108-40931-5 Student's Book B

ISBN 978-1-108-40537-9 Student's Book with Practice Extra

ISBN 978-1-108-40515-7 Student's Book with Practice Extra A

ISBN 978-1-108-40932-2 Student's Book with Practice Extra B

ISBN 978-1-108-40909-4 Workbook with Audio

ISBN 978-1-108-40885-1 Workbook with Audio A

ISBN 978-1-108-41196-7 Workbook with Audio B

ISBN 978-1-108-40520-1 Teacher's Edition with Test Generator

ISBN 978-1-108-41077-9 Presentation Plus

ISBN 978-1-108-41206-3 Class Audio CDs

ISBN 978-1-108-40802-8 Video Resource Book with DVD

ISBN 978-1-108-41451-7 Full Contact with DVD

ISBN 978-1-108-41157-8 Full Contact with DVD A

ISBN 978-1-108-41424-1 Full Contact with DVD B

Additional resources for this publication at www.cambridge.org/evolve

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# UNIT

# ROBOT REVOLUTION

## THE ROBOT TOUCH

- VOCABULARY: Using adverbs to add detail
- Match the adverbs with the definitions.
  - comprehensively a certain to happen
  - 2 ultimately definitely
  - 3 demonstrably c in a complete way little by little; in a gradual way
  - 5 drastically e in the end
    - in a reasonable way progressively
  - undoubtedly in a way that can be shown or proven
  - 8 feasibly h in an extreme way
- Find the words.

4 inevitably

dramatically		gradually		increasingly		markedly		potentially							
R	Α	T	Р	0	K	G	F	D	C	U	I	Α	Р	R	С
Ε	K	S	0	J	Е	S	М	٧	T	K	Χ	N	N	Α	Р
U	N	Q	U	Е	S	T	1	0	N	Α	В	L	Υ	D	0
Т	R	Υ	G	Н	G	K	Q	U	S	1	E	Q	Р	1	Т
Р	Ν	I	L	Υ	R	С	Р	N	Н	N	L	L	Υ	C	E
1	N	C	R	Е	Α	S	1	N	G	L	Υ	G	K	Α	N
L	Υ	М	S	M	D	G	L	D	1	C	R	Α	J	L	T
Υ	K	Т	S	М	U	U	Υ	٧	N	М	Р	E	S	L	1
C	G	М	D	R	Α	М	Α	Т	1	C	Α	L	L	Y)	Α
				Υ	-		_				-				
Ε	K	I	0	T	L	K	D	U	Υ	C	R	L	L	Υ	L
G	Р	S	D	N	Υ	С	Z	М	Α	R	K	Е	D	L	Υ



- Put the words in the correct order to make sentences.
  - part / lives in / robots will / of our / a big / inevitably / be / the future / . Robots will inevitably be a big part of our lives in the future.
  - 2 many / potentially / they are / types / take over / different / going to / of jobs / .
  - 3 able / some / certainly / not be / jobs / they will / to do /.
  - progressively / more dependent / on robots / however, we / become / will / .



unquestionably

radically

#### **GRAMMAR AND VOCABULARY**

- A Write sentences about the future using the word prompts and a commenting adverb.
  - 1 Some people believe / robots / look more human Some people believe robots will gradually look more human.
  - 2 They / move and talk more like us
  - 3 Robots / become involved in our personal lives
  - 4 According to some people, we / develop relationships with robots
  - 5 We / have robots as our friends and coworkers
  - 6 Robots / make our lives easier.
  - 7 Having robots around / improve our quality of life.
  - 8 It / be impossible to tell the difference between robots and humans
- B How do you think life will be different with robots? Complete the sentences with the commenting adverbs in parentheses and your own ideas.
  - 1 Every home (ultimately)
  - 2 Robots (increasingly)
  - 3 Hospitals (potentially)
  - 4 Robots (drastically)
  - 5 Cities (inevitably)



## THE WONDERFUL WORLD OF AI

1 VOCABULARY: Talking about developments in technology

A Complete the conversations with words from the boxes.

Conversation 1

artificial intelligence beta version chatbots facial recognition virtual assistants voice activation working prototype

Pia	What are you readir	ng, Sam?	
Sam	I'm reading an artic	le about AI.	
Pia	What's AI?		
Sam	It stands for <sup>1</sup>	artificial intelligence	. This company is developing
	2		to talk to their customers online. So far, they
	have developed a 3		. This early version still ha
	a lot of problems. T	hey think their <sup>4</sup>	will be
	ready in a couple of	years.	
Pia	That's interesting. A	re they only going to use it for c	ustomer service?
Sam	Well, right now the	company is using simpler chatbo	ots
	as <sup>5</sup>		. These devices use
	6		so you just talk to them to turn them on.
	They also have cam	eras and use <sup>7</sup>	, so when
	you look at them, th	ney know who you are.	

#### **Conversation 2**

	omputer-generated speech perating system	computer translation text to speech	image recognition voice recognition					
Carlo	Hey, Allie, what are you doing I'm getting ready for my trip	w app. It's a cause I don't speak much Italian.						
Carlo		t say something in English. The	e computer uses nderstands what you say and shows					
		you the Italian translation. It also uses 10 your phone can say the words after translating them.						
Carlo	That's cool. Does it sound like	e a real person, or does it soun ?	nd like really bad					
Allie	It sounds like a real person. It you can take a photo of text	t uses <sup>12</sup> and the phone can translate th	, too, so he text from the picture.					
Carlo	I could really use that. I wond	ler if it would work with my						

It should work on any phone or tablet. You should try it!

Allie

## 2 GRAMMAR: Future perfect and future continuous

- A Find the errors and rewrite each sentence.
  - 1 I'll staying at my sister's house next week.
  - 2 We'll have finish dinner before the movie starts.
  - 3 I have taken eight classes by the end of the year.
  - 4 You be working with Kim on this project.
  - 5 Everyone will leave by the time Mark gets here.
- Circle the correct phrases to complete the conversation.

**Pedro** Are you excited about your trip?

Yuki Yes, I am! Tomorrow morning, 1/11 be driving / 1/11 have driven

to my friend Tina's house by the beach.

**Pedro** Have you been there before?

Yuki No, I haven't, so 21'll be using / I'll have used the GPS

to find her house.

Pedro <sup>3</sup>Will you be studying / Will you have studied

while you're there?

Yuki No, 41'll be finishing / 1'll have finished all my schoolwork,

so 51'll be relaxing / I'll have relaxed on the beach.

**Pedro** Is anyone else going to be there with you?

Yuki Yes, our friend Sarah is also coming. She's leaving tonight,

so 'she'll be arriving / she'll have arrived by the time I get there.

**Pedro** <sup>7</sup>How long will you be staying / How long will you have stayed?

Yuki I'll be there for a week. I can't wait! \*We'll be talking and having

fun / We'll have talked and had fun all week long.



## **GRAMMAR AND VOCABULARY**

- Answer the questions with your own ideas about developments in technology. Write complete sentences.
  - 1 In twenty years, what new technology do you think will be available that we don't have now?
  - 2 What technology will have disappeared?
  - 3 What technology will we be using all the time?
  - 4 What things will we still be able to do without technology?

1.3

# I GET WHAT YOU'RE SAYING ...

	LI	STENING			
		1.01 LISTEN FOR ATTITUDE Listen to a conversation tween two friends, Carrie and Paul. Answer the que			
	1	Does Carrie like the app or not?			
	2	What does Carrie say that shows how she feels abou	t the app?		
	3	Does Paul like the app or not?			
	4	What does Paul say that shows how he feels about th	ne app?		
3		1.01 LISTEN FOR MAIN POINTS Listen again. Completognition technology.	ete the chart with positives and negatives of facial		
	P	ositives	Negatives		
	C	RITICAL THINKING			
THINK CRITICALLY Who do you think would want to use facial recognition technology? Who do you think would not want to use it? Explain your ideas.					
	-				

## SPEAKING

#### A Complete the conversations with the phrases in the box. Two of the phrases won't be used.

		n see how ally thought of it	good point there valid point	guess so <del>you're coming from</del>	look at it that way you're saying	
1	Α	Robots have advance next five years or so.		few years. I think they'll dra	stically change the way w	e live in the
	В	I get wherey	ou're coming from	, but I don't think things	will change that radically.	
2	Α		tual assistants. I've hea nversations recorded.	rd that everything they hea	r is recorded and stored. I	don't want
	В	I hadn't		like that. Now I don't know i	if I want to keep mine.	
3	Α	I hope chatbots don	't replace all customer	service personnel. I like talk	ing to real people.	
	В	I understand what and then their goods	s and services will be c		oots will help companies s	ave money,
4	Α	I don't think we shou	uld let robots do so ma	ny different jobs. They'll tak	e jobs away from people.	
	В	You could interesting work.		, but if robots do simple j	obs, humans will be able t	o do more
5	Α	Language is really course them.	omplex. Computer tran	slation apps make so many	mistakes. That's why I don	n't like to
	В	That's a		, but they can be helpful so	metimes.	
6	Α	I think I would feel u around in my home.		robot that looks like a hum	an cooking, cleaning, and	walking
	В		, but it	would be really convenient	not to have to cook and	
		clean anymore.				
W	rite	a conversation for ea	ach situation. Use the	language you practiced in	exercise 3A.	
1	An	na doesn't like using	speech-to-text becaus	e there are always so many	mistakes. Timo thinks it sa	ves time and
	he	lps people who have	trouble with their hand	ds.		
	An	na				
	Tir	no				
	An	na 				
	Tir	no				
2	Mi	chael thinks that ever	vone should study tec	hnology instead of art or lite	erature	
				the future. Mila thinks that		
	art	t and literature make u	us think creatively, and	that will help us develop be	etter technology.	
	Mi	chael				
	N 4 :					
	Mi	ıa				
	Mi	chael				
	Mi M:	chael				

1.4

## ROBOTICS TO THE RESCUE

## 1 READING

A PREDICT CONTENT FROM PICTURES Look at the pictures. What ideas do you think might be explored in this essay? Check ( ) the ideas. Then read the essay and check your answers.

a	benefits of computer translation	
98		

- b advantages of speaking multiple languages
- c what human translators do better than computers
- d disadvantages of computer translation
- e costs of human translators vs. computers



000 ()

#### ROBOT TRANSLATORS - THEY'RE FASTER, BUT ARE THEY BETTER?

Robots have already become a necessity in some industries. For instance, automobile factories rely on car-building robots for their precision and speed. The mining industry uses robots to mine efficiently and safely. Robotics technology will undoubtedly continue to advance, and robots will be replacing humans in a variety of fields. However, in the field of translation, artificial intelligence is no match for humans.

Computerized translation has its benefits. In situations such as, government meetings and international conferences, computers can translate for hours on end without tiring, unlike human translators. While a person can type an average of about 40 words per minute, a computer can work more than ten times as fast. In addition, a single computer can translate an unlimited number of languages. A person can only translate one language at a time.

Despite the benefits of computer technology, humans will likely always produce better and more accurate translations. First of all, no computer can understand all the slang, idioms, expressions, and local variations in even a single language. For example, how would a robot translate the expression "I've got your back," which does not translate literally? Second, computers can't pick up on things like the subtle differences in the meanings of words, tone, emotion, humor, or sarcasm. For instance, would a robot understand the slang usage of the phrase "give me a ring," which can mean "call me"? Third, language constantly changes. New words are born and existing words take on new meanings. All of these factors can lead to mistranslations and confusion. For these reasons, it will probably be a long time before computers can feasibly replace humans in the field of translation.

#### READ FOR DETAIL Read the essay again. Answer the questions.

- 1 What reasons does the writer give for stating that computer translation technology is not as good as human translators?
- 2 According to the writer, what are some benefits of computerized translation?

## 2 CRITICAL THINKING

A THINK CRITICALLY Answer the question.

Do you think someone who speaks multiple languages would agree or disagree with this essay? Explain.