

## **Elite Stream**

English Language

Coursebook Book 7

Volume 1

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Grade 7 Coursebook

The Grade 7 ASP English Elite Stream Coursebook has been authored by the Ministry of Education in collaboration with Cambridge University Press, Following a full needs analysis from the field, the book has been thematically and artistically influenced by the students of the Ministry of Education.

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## **Welcome Elite Stream**

#### Introduction

ASP English is a course designed for learners studying in the ASP Eite Stream in government schools across the United Arab Emirates.

ASP English Grade 7 covers 9 units of study and includes a wide variety of interesting themes and topics that will engage and motivate learners. With a strong focus on inquiry-based learning, activities are designed to foster learner independence through problem-solving, critical thinking and collaborative learning.

ASP English takes a unique approach to the teaching and learning of the English language, and Moth and Science through the English medium. The series promotes both explicit and integrated language instruction, encompassing language strategies that facilitate learning and language use across skills.

#### Sections

ASP English is divided into the following sections:

#### English

In this section, learners develop the fundamental skills of the English language; listening, speaking, reading and writing. Learners are presented with authentic texts and tasks that allow them to practice their English in real-world scenarios. With a focus on both general English and academic skills, learners will develop, consolidate and extend their language proticiency in preparation for study in an Englishspeaking environment.

#### **Projects**

In this section, learners apply their knowledge and skills through a range of practical literature and STEAMorientated authentic tasks. Through the projects, learners are exposed to hands-on learning that challenges them to think critically and creatively.

#### ASP Math and Science

In this section, learners are equipped with a range of language strategies that will help them master the basic terminology for math and science, as well as build on their English language skills and confidence within the context of these subjects.

#### **Features**

The book contains the following features:

a - links to 21st century skills

- listening activity

Read the statements and tick the best description. - selfassessment

All tips can be used as a teaching item and to model examples or for self-reference for leatners.

Language Tip: A concise tip to help illustrate and clarify language points.

Writing Tip: A concise tip to support the development of writing skills.

Speaking Tip: A concise tip to support learners in developing fluency, which can be used in preparation for a speaking task.

Use of English: A tutorial of a grammar point, explaining when the point applies and providing modeled examples.

Vocabulary boxes: A simple definition to help learners understand new vocabulary.

Listening Strategy: A briefing that will help learners apply a range of different listening techniques to different tasks.

Reading Strategy: A briefing that will help learners apply a range of different reading techniques to different tasks.

Did You Knaw?: An engaging fact to inspire learners, which can be used to prompt discussion, or as an extension opportunity.

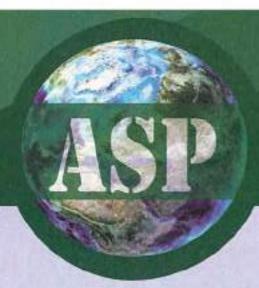


#### (2) content is defined on smart learning app

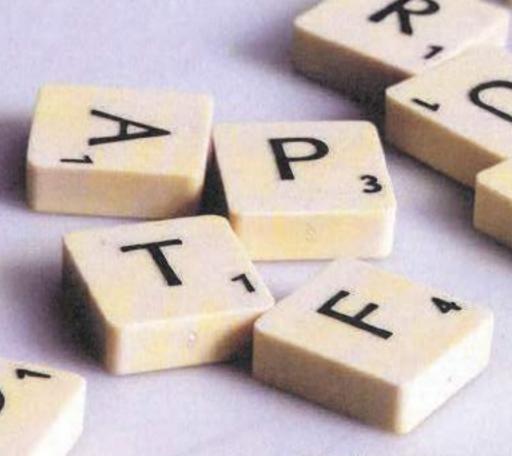
Unit	English	Projects	
1 Food for Life (p.1-26)	To listen to an interview for specific information about food myths. To persuade others to create a healthy diet plan. To listen to a show about how to reduce food waste. To read a text about food chains for specific information. To write a short informative text about a specific food web.  (p.3-4)	Share a recipe	
2 How Things Work (p.27-50)	<ul> <li>To listen to a podcast about robots and label the robot parts in a diagram.</li> <li>To collaborate with peers to create and present a robot for a specific purpose.</li> <li>To understand and use relative clauses.</li> <li>To read a short informative text about the water cycle and link if to a diagram.</li> <li>To describe the process of cleaning water in a sequenced text.</li> <li>(p.27-28)</li> </ul>	Read excerpts from a literary text and answer comprehension questions.      Plan, create and present a poster about how a robot works.  STEAM Project: Design a light show  Plan, create and present a poster about an LED light show.	
3 It's a Small World (p.51-74)	To listen to short recordings about why people learn a second language and determine the reasons.  To lead and participate in group discussions about current events.  To use a range of quantifiers to describe where food comes from.  To read an email describing the different ways to travel in the present and past tenses.  To write an email informing a friend on what to do and see in the UAE.  (p.51-52)		
4 Patterns Online Content	To listen to a nanation and match shapes to patterns. To give a presentation on number sequences. To use zero conditionals to describe optical illusions. To read a website text about Islamic Art and recognize referencing words. To write about patterns in everyday life.  (p.75-76)		

ASP Science	Learning objectives
1 A What are Newton's laws? (p.95-96)	To develop reading for gist and reading for detail skills when reading multiple informative texts.  To be able to explain thoughts and ideas in conversations.
1 B What is motion? (p 97-98)	To develop learners' ability to explain scientific ideas using illustrations/diagrams and labels.
10	To develop reading for detail in multiple shart texts.
What are the properties of matter? (p.99-100)	<ul> <li>To be able to identify the meaning of new vocabulary words and identify examples of their use.</li> </ul>
1 D	To develop learners' ability to read for detail when reading longer informative texts.
What is temperature, thermal energy, and heat? (p.101-102)	To develop learners' obility to write about a text including writing questions about it.

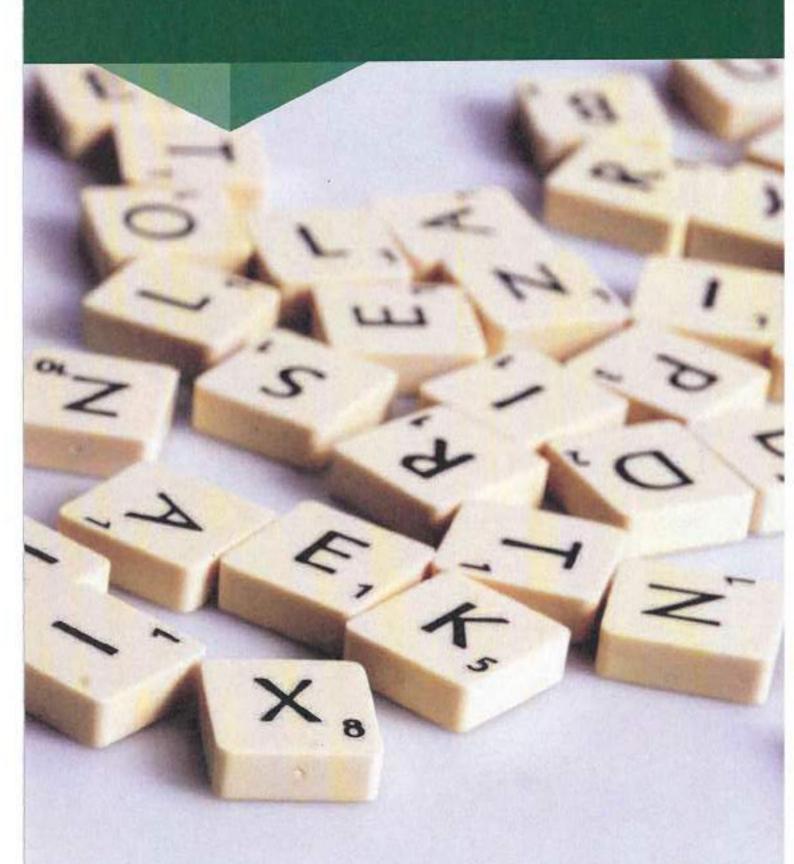
ASP Math	Learning objectives
1 A What are operations with integers? (p.109-110)	To develop learners' ability to read for specific information.  To develop learners' ability to write numbers in word form.
1 B What are operations with rational numbers? (p.111-112)	To develop learners' ability to read for specific information.
T C What are ratios and proportions? (p.113-114)	To develop learners' ability to read for specific information.

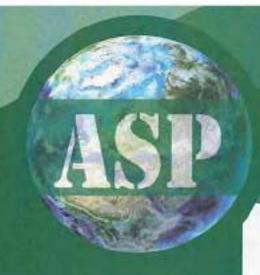


# ENGLISH



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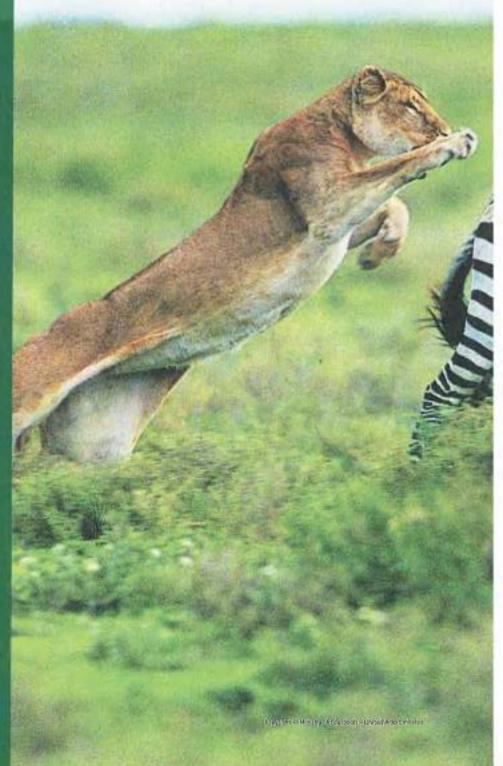


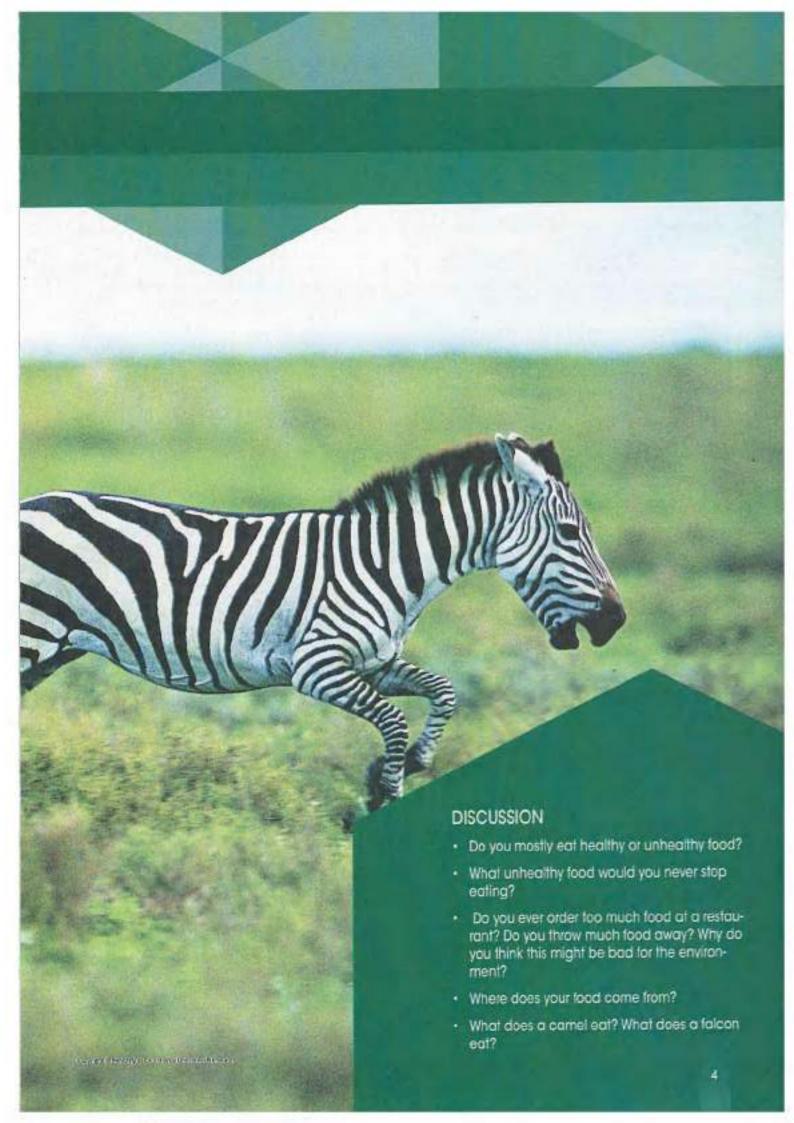
# UNIT 1 Food for Life

## **ENGLISH**

Key Learning Objectives

FORUS







## How can food improve your health?

ENGLISH

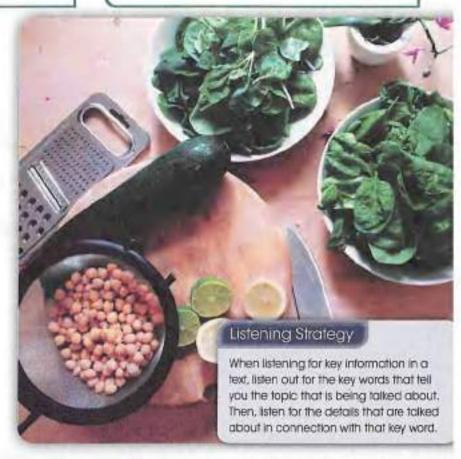
What makes load good for you?
What are some healthy loads you eat?
What are some healthy loads you don't eat? Why?

1 With a partner, read about Khalid and Hammad. Who do you think has a healthy body? Who has an unhealthy body? Why?

Khalid loves to eat pizza and hamburgers. He doesn't care that these foods are bad for him. His friends love playing sports like soccer, but Khalid never plays sports. He only plays video games and watches television. Hammad eats a lot of fruits and vegetables. He does not eat a lot of candy or other sweet food. He's always moving. He loves playing sports like basketball and soccer. He knows exercise is good for him.

#### LISTENING

- 2 616 You are going to listen to an interview with Dr. Sara about good food and habits for a healthy life.
  - Circle the words that you know.
  - Listen to the interview. Put a checkmark next to the words that you hear.
  - garlic
  - fot
  - beans
  - exercise
  - ...... strong
  - · ..... vitamins
  - · ..... energy
  - muscle
  - det
  - ...... orange



3 (i) Listen to the interview again, and complete the graphic organizer with notes on what you hear.

Healthy loods	What they do and what they don't do	
1 carrots		
2 spinach		
3 beans		
4 gartic		
	What else can we do to be healthy?	

dÅ		
4	What else should you do to be healthy? Write down three no for the body.	w suggestions using You should and say why this is good
	Suggestion 1:	Speaking Tip
	Why?	The "L" in "should" is silent. You don't
	Suggestion 2:	say that letter when you say the
	Why7	
	Suggestion 3: Why?	
SI	PEAKING	
5	With a partner, act out the rest of the interview. Take turns be from Activity 4 to help you do the interview.	
	Doctor, what else can people do to stay healthy?	Well, they should
	7	V
w	RITING .	
4		and write them in the engage below Then make a notice
0	Work with a partner. Think of five healthy tips from the les with your tips, adding images to make it more interesting.	son and write them in the space below, then thake a posic
		110000000000000000000000000000000000000
	40114-440-440-440-440-440-440-440-440-44	
		You should eat more carrots because they are



## How can food improve your health?

## ENGLISH

G	L	SH						
1	Un	scramble fl	he words and put then	n in the correct box.		Body	Food	
	1	cligra						- 8
	2	stimavin						
	3	scelmu						
	4	pacnish	poorening with continuous and	N.				
	5	nesba		11 60	1			
	6	syee	1-100-11100111-111011		1			
	7	hletahy		eĉ:				
2	Re	ad excerpt	s from the transcript a	nd put in the correct	word from Activity	1.		
	1	*So yes, c	arrots are good for our	r*				
	2	*For exam	yple,	helps us not get sick	5			
	3	'Fruits and	d vegetables are alway	ys good for us becau	ise they have			
	4	*Today, Dr	Sara will tell us how to	keep our bodies				
	5	"So beans	s make	*				
3			ne food you've eaten t					
								7502440
						destina		
4	or i	unhealthy? y food choi u should ch out your an	ces you think ange? Think				30	,
					O		C	+

-	sive health advice using the modal "should".
1	I want to make my eyes stronger.
Y	u should
2	I am always sick.
3	I want bigger muscles,
4	I need more vitamins in my diet.
	omplete the diclogues using phrases to agree or disagree. If you disagree, give advice for what they should do instead. Use the across from the bax.
(	I think • I don't think • I agree. • I disagree.
	"Example Student A: I don't want to eat breakfast today.  Student B: I don't think that is a good idea. You should eat breakfast."
1	Student A: I think I should eat a salad with lunch.
s	Student A: I think I should eat a salad with lunch.  udent B:  Student A: I should have cake for breakfast.
s 2	udent B:
S 2 S	udent B:
S 2 S 3	udent B:
S 3 S	udent B: Student A: I should have cake for breakfast, udent B: Student A: I don't need to eat truits and vegetables.
\$ 2 \$ 3 \$	udent B: Student A: I should have cake for breakfast, udent B: Student A: I don't need to eat truits and vegetables. udent B:
S 2 S 3 S 4 S	udent B: Student A: I should have cake for breakfast, udent B: Student A: I don't need to eat truits and vegetables. udent B: Student A: I think I should eat a healthy diet.



ENGLISH

Wood is your fovorite meal?



#### LISTENING

1 620 Listen to the advertisement. Check [ ] if each statement is either true or false.

8		True	Faiss
1	Fast Health on Wheels has been in the UAE for a long time.	[ ]	[ ]
2	You should always start your day with a healthy breakfast,	[ ]	[ ]
3	A balanced diet should have the correct amount of proteins and carbs.	[ ]	[ ]
4	You shouldn't eat foods with a lot of carbs.	[ ]	[ ]
5	Their meals include vegetables and pasta dishes.	[ ]	[ ]
5	You shouldn't drink plenty of water and other low fat drinks.	[ ]	[ ]
7	Fast Health on Wheels has millions of customers in the UAE.	[1]	[ ]

2 Listen to the advertisement again and fill in the gaps with the missing information.
Use Fast Health on Wheels now!

We are the newest healthy food '\_\_\_\_\_\_ service in the UAE! Eating a healthy diet isn't always easy, but our delivery service will help you.

First, you should always start the day with a healthy 1.....

It allows you to have enough energy during the day. We have delicious options.

Our quick delivery service will provide tasty lunch and dinner aptions also.

Our meals all have food from every food group including, tresh fish and chicken with a lot of protein, brown rice with healthy carbs, fresh vegetables, and fruit salads.

You shouldn't eat foods with a lot of 4 \_\_\_\_\_\_ because you will be 7 \_\_\_\_\_ and become overweight.

Our meals include vegetables and 4...... fruits to give your body the vitamins it needs to be healthy and strong.

You should also drink plenty of water and other?..... drinks.

Our choices of food are low in fat, high in vitamins and very 10.....

So, get healthy fast in a convenient way now.

We have millions of happy customers all around the UAE and you should join them. Ask yourself, "Why shouldn't !?"

Our quick delivery service will go directly to your doorstep.

Use Fast Health on Wheels today!

#### SPEAKING

3 Check [~] which foods you think are healthy and unhealthy? With a partner compare ideas.

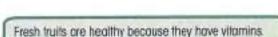
		healthy	
ur	healthy		
	pizza	[ ]	[ ]
	cheeseburger	1 1	f 1
	salad	[ ]	[ ]
	baked chicken	[ ]	[ ]
	french fries	[ ]	[ ]
	soda	[ ]	[ ]
	fish	[ ]	1 1
	fruit	[ ]	[ ]
	milk	[ ]	[ ]
	water	[ ]	1 1

Work with your partner. Take turns being a nutritionist and give each other recommendations for a healthy meal. Gather ideas from each other and decide what food you will have for your healthy meal plate. Draw the food inside each space provided and label it.



5 Discuss your healthy eating plan with a different partner. See the examples below:

Fish is healthy because it has protein.

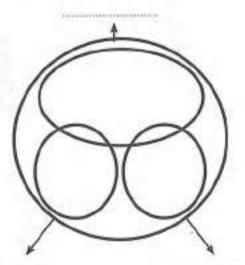


- Plan a healthy eating presentation. What order will you present your information? Practice with your partner.
- 7 Present your healthy meal plan to the owner of the Fast Health on Wheels company.



#### Did You Know?

An advertisement is found in many places. They are on the television, you can see them on billboards when you're riding in a car and an social media sites.



Speaking Tip

When we are speaking to persuade others, we can use phrases like:

You should use ... or You shouldn't use...



## How can food improve your health?

#### ENGLISH

- Match each part to make a complete sentence. Think about the reason for giving the advice.
  - 1 You shouldn't eat too much pizza
  - 1 You shouldn't ear loo mach piezo
  - 3 You should drink more water

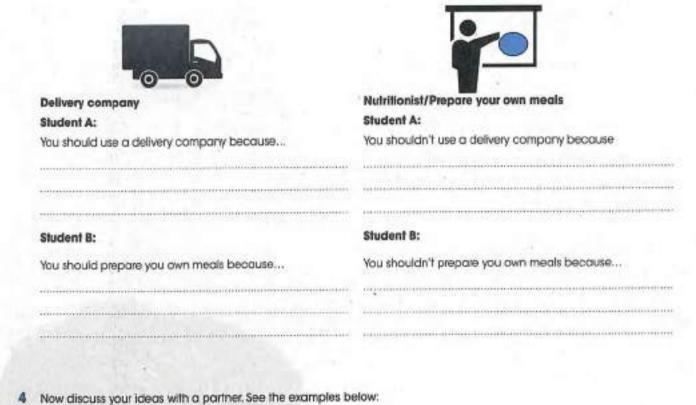
One word will not be used.

2 You should eat fruit

- 4 You shouldn't skip eating breakfast
- 5 You should prepaie your meals each week
- 2 Complete each sentence with the words in the box.
- a because you will gain a lot of weight.
- b because it is the most important meal of the day.
- c because they are full of vitamins.
- d because your meal plan will be easier to follow.
- e because it will make you less thirsty.
- healthy low fat delicious vitamin diet fresh - protein - carbohydrates - fat - unhealthy
  - 1 We should always eat \_\_\_\_\_ food because then you will be able to live a long and healthy life.
  - 2 You should try to have a balanced ...... so you can have all the needed foods from each food group.
  - You should eat fruits like oranges if you want to have \_\_\_\_\_\_ C in your body.
  - 4 Fish is healthy because it has ......
  - 5 You shouldn't eat \_\_\_\_\_\_ foods because you can become overweight.
- 6 Cheeseburgers and pizza have a lot of ......, which is not good for your body.
- 7 Brown rice is healthy because it has good ...... for your body.
- 8 Ahmed enjoyed the ...... apple, so he ate another one.

#### Language Tip

**Should** is used to persuade someone to do something. When we want someone to do something, we give a reason why they should do it. 3 You want to eat healthy. Should you use a delivery company or should you prepare your own meals? Choose a different method from your partner. Then complete the notes.



I disagree. You should plan your own meals because the food will taste better. You can choose what you want to make.

You should use a delivery company because they

plan the meals for you.

What can we do to reduce food waste?

ENGLISH

What is your lavante dish? On you like cooking?

#### LISTENING

1 (3) Listen to the start of a cooking show. What is the topic?

Plastic + Food waste + Cooking

- Listen to a chef talking about food waste.
   Circle the sentences that you hear.
  - We should cook.
  - 2 Don't throw things away.
  - 3 Buy both fruit and vegetables.
  - 4 Don't order too much food at restaurants.
  - 5 Eat all your food.
  - 6 Think about cooking.

#### SPEAKING

3 Can you think of other ways to stop wasting food? Use the mind map to note down your ideas.



Speak to your partner about your ideas. Are they the same or different? Do you think they are difficult or easy to do?



#### Language Tip

We use both / and in a sentence when two nouns are important or equal.

both + noun + and + noun

We should eat both fruit and vegetables.

#### Use of English

We use imperatives when we want to tell someone to do something.

To make the imperative, we use a bare infinitive to give orders or instructions.

Cook the food.

To make it negative, add do not or don't.

Don't wany.

To include yourself in the instruction, add let's

Let's eat the tood together.

#### LANGUAGE FOCUS

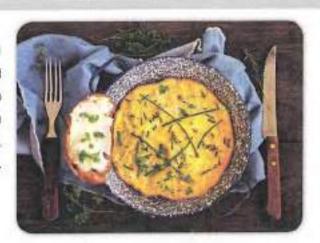
5 Read the recipe from a cooking website. Write the verbs in the correct space to complete the recipe.

cut + buy + mix + add + put

#### Did You know?

Around a third (1/3) of the food produced in the world every year is lost or wasted. This waste could feed a whale country of people.

#### Let's make an omelet!



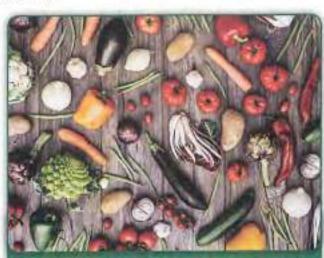
6 Read and complete the sentences.

7 Talk to a partner about ingredients you can add to the omelet recipe.

#### Speaking Tip

When you share ideas, you can use phrases like "Let's..." and "How about..." Let's add onions.

How about peppers?



Can you name the vegetables in the photo? Which two vegetables do you want to put in an omelet?



## What can we do to reduce food waste?

#### **ENGLISH**

Write the words from the box next to the correct meanings.

(	arbo	age • to throw away • food waste • to recycle							
	1	Food that we don't eat or use							
	2	To put something in the trash or garbage	***************************************						
	3	To use something again	1100 1000 1000 1000 1000 1000 1000 100						
	4	Trash							
2	Pu	Put the words in the correct order to make sentences.							
	1	eat / let's / dinner Let's eat dinner							
	2	my plate / put / the cake / on							
	3	the butter / in a frying pan / heat							
	4	4 put / in / the cookies / the cupboard							
	5 this amazing food / let's / together / eat								
	6	cook / don't / for a long time / the wattles							
3	2	Write your own recipe							
	Thi	nk about the leftovers from your lunch or dinner. C	an you make a recipe using leftovers?						
	Mo	ake notes and then write instructions for your recip	e in the box.						
	W	nat do you want to make?	10						
	What ingredients do you need?								
	2410-								
	W	nat do you need to do?							
	Mi	x the ingredients							
	****								
	000								
	****								
	No	w write instructions for your recipe in the box. Rem	ember: Don't waste any ingredients!						

		 .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	 
37.11.1.11.11.11.11.11.11.11.11			
	es about cooking a		 45.00

Recycle your plastic bottles

3 You should eat all your food or save it for later.

4 You should share food with other people.

5 You should throw away your trash in recycling bins.

5 Now use imperative sentences to make a poster about food waste. This is a poster to teach people how to waste less food.

Let's stop food waste!

1 You should recycle your plastic bottles.

2 You shouldn't make too much food.



ENGLISH

## How are things connected in a food chain?

When the you eat today?
Where slid it come from?

#### READING

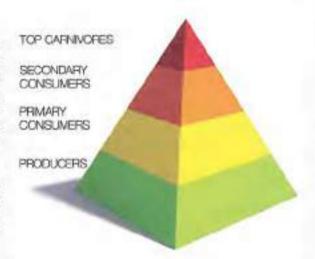
1 Look at the three items in the box. Put the three in order of which plant or animal eats the other plant or animal.

zebra • Ilon • grass

First: Second: Third: .....

2 Read the text about food chains. Put the paragraphs in the correct order. Look at the bold words to help you.

#### What is a food chain?



- 3 Use the text to answer the following questions.
  - 1 What are the different levels of a food chain?
  - Which traphic level has animals with no natural predators?
  - 3 What type of animal can eat both plants and animals?

- 4 Is a camel a herbivore or a carnivore?
- 5 What trophic level are date palms on?

#### Reading Strategy

When reading a text to find specific answers, first find key words in the questions Then look for the same words in the text.

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- 4 Fill in the blanks with words from the text.
  - Animals and plants in the \_\_\_\_\_\_ trophic level are called producers.
  - Primary consumers are animals in the trophic level.
  - Secondary consumers are animals in the traphic level.
  - Top carnivores are animals in the ......

    trophic level.
- 5 Read the text about keystone species. Label the pictures with the names of the plants and animals shown.

#### Language Tip

Use ordinal numbers to talk about order: first, second, third, etc.

First, you need to research the topic.

Use final to talk about the last part of a process.

The final step is writing the report.

#### SPEAKING

- 6 Get in groups of four. Your teacher will pass out four cards with information about a different plant or animal. Tell your group the following information about your card:
  - Is it a carnivore, herbivore or omnivore?
  - Does it have any predators?
  - Does it have any producers?
- 7 As a group, work together to put your cards together in the correct order to make a food chain.







#### Why are elephants important?

Every animal in a food chain is important. However, some animals are more important than others. Keystone species are animals that are the most important in a food chain. If they are not there, the environment will change.

Elephants are the keystone species in the grasslands of Africa. This area is called the savanna. Elaphants play a very important role. They are primary consumers, so they eat plants like acada trees. There aren't many acada trees in the savanna because elephants eat them. The grass grows more because there are fewer trees. Animals like gazelles eat the grass and lions eat the gazelles.

Without elephants, the acacia trees would become a forest. A forest would hide the sunlight from the grass and it would not grow. Without grass, the gazelles would move away to lock for food. The lions would follow the gazelles because they also need to eat. Everything is linked, and it starts with the elephants. Without them, the food chair would change.



## How are things connected in a food chain?

#### ENGLISH

- 1 Match the bold words from the text on page 17 with their definitions.
  - trophic levels a The links between plants and animals in an environment
  - 2 carnivores b Animals that only eat plants
  - 3 omnivores c An animal that hunts other animals
  - 4 consume d To eat or drink something
  - 5 herbivores e Animals that eat both meat and plants
  - 6 predator f The different levels in a food chain
  - 7 food chain g Animals that only eat meat
- 2 Label the pyramid with the correct trophic levels from the word bank.

top-comiveres . primary consumers . producers . secondary consumers

# 

3 Write the types of animals or plants for the trophic levels shown. Use the word bank to help you.

herbivores • omnivores • carnivores • top predator

4 In pairs, write animals that fit in each trophic level on the pyramid.

_	AND RESERVED TO STATE OF STREET, STREE		Chest by Depth Control	Carried the Co. Land
Е	I lancarementata	the sentences.	thon order	them aud.
-	unscrampie	the seniences	. Intern cricien	HIRETTI COCK

1 have / don't / animals / Finally, / called / predators / carnivores. / are / that / top

2 in / trophic / that / the / animals / meat / are / eat / level. / Third. / next

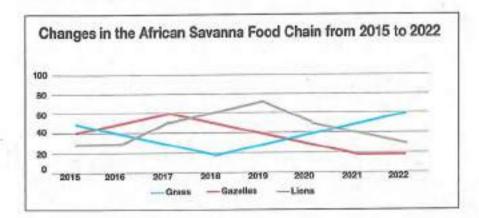
\_\_\_\_\_\_

3 find / that / First, / are / producers. / need / plants / we / to

4 tree. / elephants / Second, / acacia / the / eat

6 Fill in the blanks with the words from the word bank.

- Food chains show how different animals in an
  ecosystem are \_\_\_\_\_\_.
- 3 are the first traphic level of a food chain.
- 5 Animals that kill and eat other animals are......
- 7 Establishment to be complete the sentences.
  Page 10 to be complete the sentences.
  Page 20 to be complete the sentences.



- When the number of gazelies went up.
- 2 When the number of lions went up.
- 3 Which of these is the keystone species? Why?

ENGLISH

### How does a food web work?

Think about a falcan. How many different things does it eat?
When it the sufference between a chain and a web?

#### READING

 Label each picture as 'chain' or 'web'.

A CORPORATION OF THE PARTY OF T

- 2 Read the text about a food web. Underline the different species, including both plants and animals.
- 3 Use the text to complete the food web. There are three missing species. Write the name of the species in the correct place.
- 4 Look at the sentences below. Read the text again. Are the sentences True or False? Write T or F.
  - Plants are only eaten by one thing.....
  - Butterflies are primary carnivores.
  - 3 Eagles are the top predator.
  - 4 Snakes eat rabbits.
  - 5 The herbivores are butterflies, rabbits and rafs.
  - 6 Eagles eat a variety of prey.

#### How food webs work

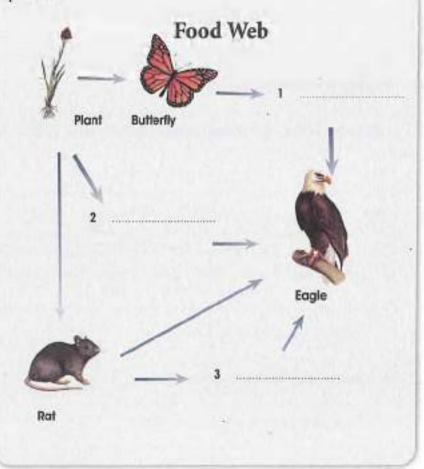
Food webs are different from food chains. Some top predators eat many different types of animals. For example, a lion eats zebras, gazelles, and hyenas. A food chain is simple, it starts when one animal eats one thing then another animal eats that thing. For example,

Plant → mouse → eagle

The mouse eats the plant. The eagle eats the mouse. When you connect food chains together, it becomes a food web.

The food web below has a producer, herbivores and consumers and a top carnivore. There are seven species in this food web. Some are predators; some are prey.

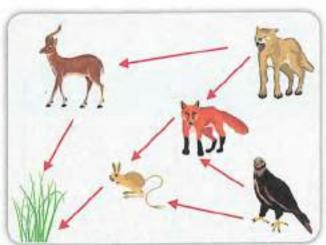
The producer is a plant, Butterflies, rabbits and rats eat the plant. These are herbivores. Lizards eat the butterflies and snakes eat the rats. These are carnivores. Eagles eat a variety of prev. They eat rabbits and rats. They also eat lizards and snakes. Nothing eats the eagle. This means the eagle is the top predator.



#### WRITING

- 5 Read the sentences below and circle the correct word.
  - The lion eats also / both antelopes and zebras.
  - 2 Eagles eat rabbits. They both / also eat rals.
  - 3 Both robbits also / and butterflies eat plants.
  - 4 Bears eat both / also fish and deer. They and / also eat grass and berries.
  - 5 Both / Also bears and wolves eat deer also / and elk. They also / both eat birds and fish.





### Language Tip

When using the word both, the word and is needed, too. For example:

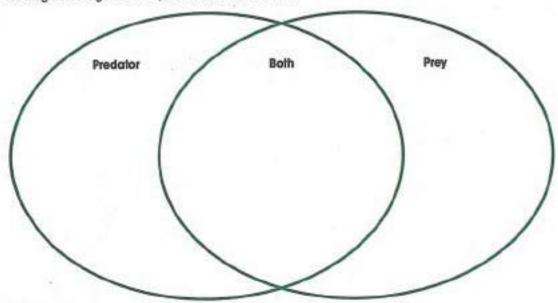
The eagle eats both rabbits and rats.

Both butterflies and rabbits eat plants.

The word also can be used as an addition word. For example;

Eagles eat both the rabbits and the rats. They **also** eat the lizards and the snakes.

6 Use the diagram to organize the species from the food web.



7 Write some short sentences in your notes to describe the diagram.

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## How does a food web work?

#### ENGLISH

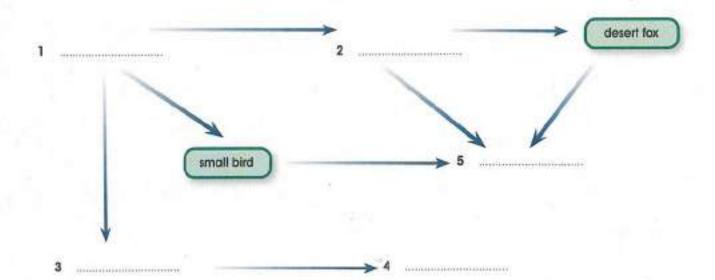
- Match the words with its definition.
  - 1 prey

- Things linked together
- predator
- b Lots of different things
- 3 food web
- c An animal that another animal eats
- 4 connected
- d An animal that eats other animals

5 variety

- e Many food chains put together
- 2 Look at the sentences below. Fill in the spaces with the correct word from Activity 1.
  - 1 A faicon eats a ...... of food.
  - 2 A. ..... is different from a food chain.
  - 3 Small animals are sometimes eaten by......
  - 4 A predator eats its .....
  - 5 Many ...... food chains are called a food web.
- 3 Look at the information in the table. Write the names of each species in the correct place on the food web.

Species	plant	lizard	small bird	goat	desert fox	caracal	falcon
What it	100	plant	plant	plant	lizad	small bird	caracal
					1 1	goat	desert fax
							lizord
							small bird



			100	
www.communication			 	
	******************	constantel continue the term	 	

## Writing Tip

When writing an informative text, use diagrams to help you. You can talk about the diagram in the text so the reader knows they should look at it for more information.



#### ENGLISH

#### VOCABULARY

Complete the text with the vocabulary from the box.

protein • muscle • exercise • beans spinach • vitamins • diet • garlic

People talk a lot about	eating healthy food. We need
to 1,	and eat a balanced
2 1	o be healthy. Foods such as
beans have the 3	our bodies need
to build 4	Our bodies also need
4W	e get these vitamins from
foods like 1	Also, we can stay
healthy by eating 7	to fight colds
and the flu.	

Complete each sentence with the correct word from the vocabulary box.

predators • diet • variety • save time herbivore • recipe • ingredients advertisement • heat • cut

- I need to eat a better ......so!

  can be healthier.

- 4 We followed a(n) .....so we could make the cake.
- Some of the ......included milk, eggs, and bread.
- 6 An animal that just eats plants is called a(n) ......
- 7 We saw a(n) ......on TV about a new perfume.
- 8 You should ......your food before you eat it or it will be cold.
- 9 Sharks are top ......that live in the ocean.
- 10 She ......her orange into four pieces so we could all have some.

#### LANGUAGE FOCUS

3	Fill	Fill in the blanks with and, both, or also.			
	1	It's good to eat both fruits			
		vegetables during the day.			
	2	Do youspeak Arabic?			
	3	Ahmed Ilkes soccer and			
		basketball.			
	4	I ate pizza for lunch I also			
		had it for dinner.			
	5	We both like listening to the radio			
		watching TV.			
	6	The sports car is blue and it is			
		fast.			
	-	Honor and Boom wort to			

4 Choose should or shouldn't for each sentence.

the park.

1	You	eat healthy food every
	day.	

- Ahmed ...... write on the desk in class.

- 7 You ...... be careful next time.
- 8 You ...... ask for help from the teacher.

5	Read the following instructions. Write the opposite
	imperative response to each.

1	Close the door!
2	Take out your coursebooks!
3	Don't eat the pizzal
4	Don't open the windowl
5	Don't be nice to him!
6	Drink the water!
7	Write in your workbook!

6 Sequence the sentences by labeling them first, second, third, and last. Then use the words from the word list to fill in the other missing information. Some words may be used twice.

date palm • producers • carnel • meat • plant •

1	in the lood chain is the secondary
	consumers, which eat bothand
	is the
2	in the food chain is the producers. An
	example of a producer is a
3	in the food chain is the top carnivores,
	which and An expension of a top

	carnivare is a				
4	in the food chain is the primary				
	consumers, which eat the An example				
	of a primary consumer is a				

#### Self-assessment

#### Read the statements and check the best description.

I can listen to an interview and find information.

I can persuade my friends to eat more healthily.

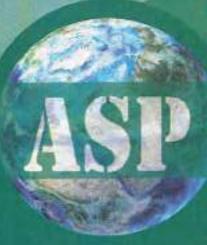
I can give advice about how to reduce food waste, using imperatives and modals.

I can read and understand texts about food chains.

I can write a short text about a food web







## UNIT 2 How Things Work

## ENGLISH

#### Key Learning Objectives

**Ustronitts** 

to intend a pudicas! about robots and about the robot parts in actions of

Specifin

To collaberate with pairs to awars and spessio ambot for a spessio aurpose.

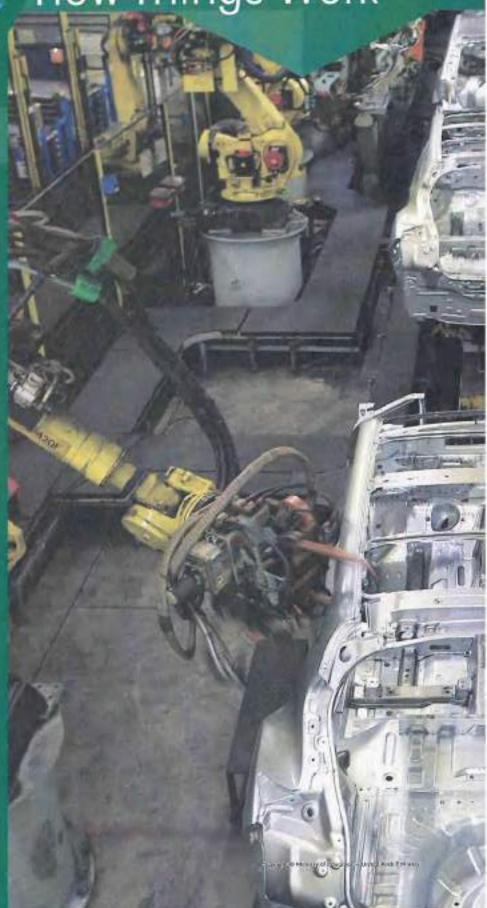
Language famus To understand and

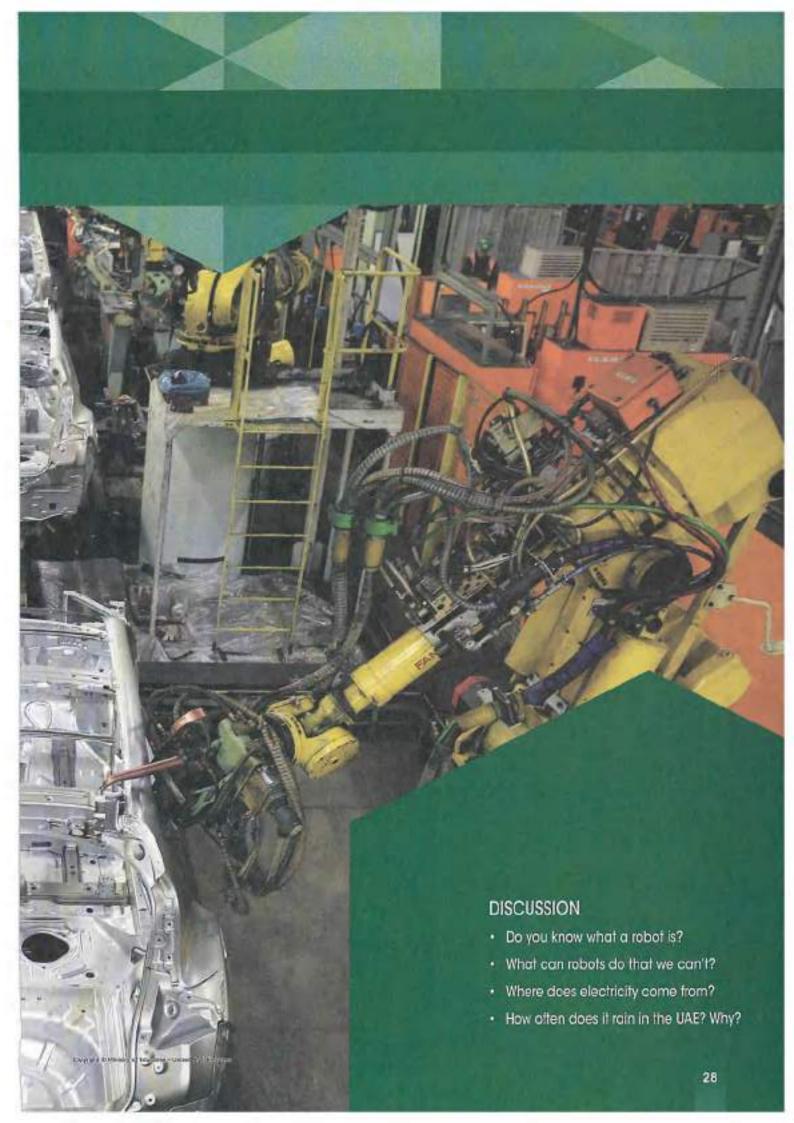
Reading

To meet a short informative test about the water cycle and tink if to a diagram

William

To describe this products of discriming water in a sequenced







## How do robots work?

ENGLISH

when it a robot? How do tobals move?

1 With your partner, name the parts of the human body that do the following:

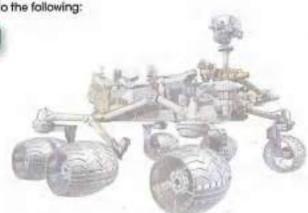
brain . eyes and ears . heart . hands . skeleton

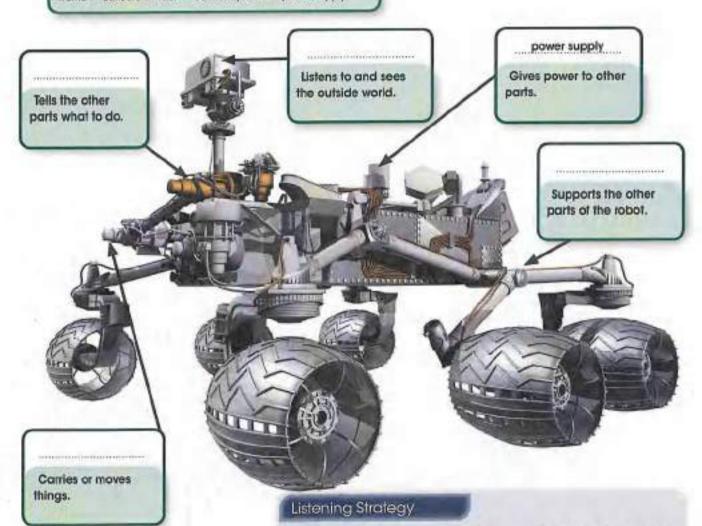
- Carries and moves things.
- 2 Holds up the body.
- 3 Tells your body what to do.
- 4 Sees and hears.
- 5 Sends blood through the body.

#### LISTENING

2 (5) Listen to a new documentary about robots.
Label the robot parts in the picture and match them to the definition.

frame \* sensors \* fool \* control system \* power supply





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When doing listening activities, listen for key words. This will help you find the information you need. For example, if you wanted to learn more

about a robot frame, you would listen for the word "frame".

3 66 You are an engineer working at a robot factory. Listen to the messages and write down which part of the robot is broken.

Message 1:	
Message 2:	
Message 3:	
Message 4:	

4 Get into pairs. Take turns saying what part is broken. Tell your partner why this part is important for the robot.



Remember that when you want the listener to focus on an important word, say it more slowly and louder than the words around it. This is called "stress".

#### SPEAKING

- 5 Wou will design a robot that does a specific job. Your teacher will give you a job. In your group, you will plan what your robot needs to do and what parts it will need. Use these questions to help you plan.
  - · What is the robot's name?
  - What does the robot do?
  - · What parts does it need?
  - What sensors does it need?
     Camera? Microphone? Radar?
  - What kind of frome does it need?
     Strong? Small? Large?
  - What tool does it need?
     Hands? Knile? Hose?
  - How will it move?
     Wheels? Wings? Legs?
- 6 Give a group presentation to the class about your robot.



The robot needs to know how to do...

Our robot needs sensors that can...

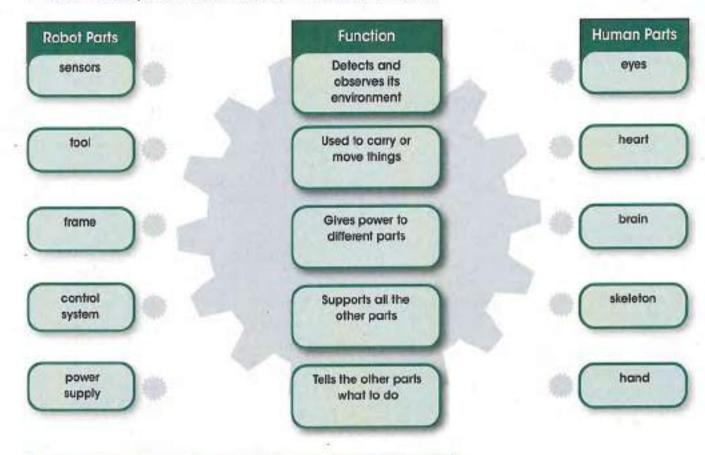
Our robot needs fools which can...

Our robot needs a frame which holds up...



### ENGLISH

1 Match the robot parts and the human parts with the functions they have.



# Language Tip

You use **relative clauses** when you want to give some more information about the subject. A relative clause is a small group of words that come after the main clause. The relative clause gives more details about the subject and what it does. When you describe an object like a robat, you use pronouns like which and that to connect the relative clause to the main clause. For example:

A submarine is a boat which goes under water.

The Burj Khalifa is a skyscraper that was built in 2004.

Relative Clauses

- 2 Here are four robots. The robot's name says what it can do. Match the robot part to what it does.
  - The Cleaner Robot has sensors
  - 2 The Mover Robot has a strong frame
  - 3 The Painter Robot has a tool
  - 4 The Gardening Robot has a control system

moves heavy things like a bed or couch.

finds dirt and sand in a room.

knows how much water a plant needs.

sprays fresh paint on walls.

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
***************************************					
ate a design plan at.	of the robot you to	alked about with yo	ur group in Course	book Activity 5. Lat	bel the parts of
		#1			
	N-F				



**2B** 

# What jobs do robots do?

ENGLISH

Do you have any rabots in your home? How do subals help humans?

### VOCABULARY

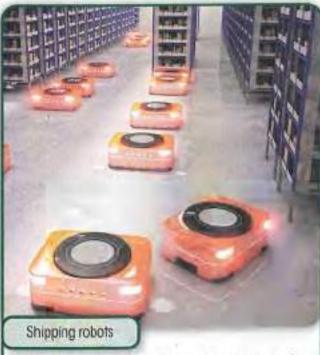
1 Match the words to the images.

1	robot	С
2	warehouse	
3	shipping	
4	recharge	
5	weigh	311131111111111111111111111111111111111

### READING

Read the texts below.

Student A: Read about shipping robots Student B: Read about cleaning robots How do these robots help us?



A very large online shopping company uses robots 
– close to 50,000, in fact! But why so many? And 
what for? This company started using robots several 
years ago in its warehouses to make shipping really 
fast and easy. What are the robots like? They are 
square, 40 centimeters tall, and weigh over 140 
kilograms – not very big, but really heavy! They 
can move at up to eight kilometers per hour and 
lift boxes weighing over 300 kilograms, so they are 
very fast and strong.













Robots are no longer only for businesses. Since the early 2000s, they have been in people's homes. One of these such robots is really small – a flat disc used to clean the floor. It is only nine centimeters tall, and this robot is very light at just under four kilograms. It travels at around a kilometer an hour, so it's not very fast. It can go for two hours without stopping to recharge. Having a clean floor is so easy now, thanks to this robot – it's perfect for people who are too busy to clean!

- 3 Read your text again and answer the questions.
  - 1 Who uses the robots? .....
  - 2 When did they start using them?
  - 3 What do the robots do? .....
  - 4 What shape are they?
  - 5 How tall are they? .....
  - 6 How much do finey weigh?
  - 7 How fast can they move? .....
  - 8 What can they do? .....

### Did You Know?

The word robot was added to the English language from the 1920 science fiction play R.U.R. by Czech witer Karel Capek.

## SPEAKING

4 Work in pairs with someone who read the other text. Ask and answer the questions in Activity 3.

Who uses the robots?

A large online shipping company uses them.

5 Work in groups to research an interesting robot being used in the world today. Use the graphic organizer to help you.



6 Present your robots to the class. Which one do you like the best?

# Speaking Tip

When giving a presentation, it is important to include intensitiers and adjectives in order to sound interesting and keep your audience's attention.



# What jobs do robots do?

### ENGLISH

Match the words to the sentences.

rabat • warehouse • shipping • weigh kilograms • centimeter • recharge • kilometer

- 2 Complete the sentences.

too heavy • very easy • really large • really busy very difficult • too small • very tast

# Language Tip

- Very, really, and so are intensifiers. They make adjectives stronger.
  - Very can always be used.
    - A very large online shopping company ...
  - Really and so are informal and are usually used in speaking.
    - ... to make shipping really fast and easy.
    - Having a clean floor is so easy now ...
- Too is used before an adjective to give a negative meaning.
  - ... people who are foo busy to clean! (=so busy they cannot clean)



de if the sentences are correct (C) or incorrect (I).
m very busy today. Can I call you back later?
our car is too large and so comfortable!
Maths can be very difficult. You need to study a lot. C 1
his robot works too fast. It's great! C 1
his phone is too small. It fits in my pocket.
piele the sentences.
This box is very heavy a I con't lift it.
This bax is very heavy.  a I can't lift it.  This bax is too heavy.  b It weighs over 100kg.
He speaks really fast. a He talks a mile a minutel
He speaks too fast. b I can't understand him.
This city is really big. a It has everything!
This city is too big. b I don't like it.
This exercise is very easy. a How boring!
This exercise is too easy.  b I'm already finished!  a sketch of the robot your group researched in Coursebook Activity 5.

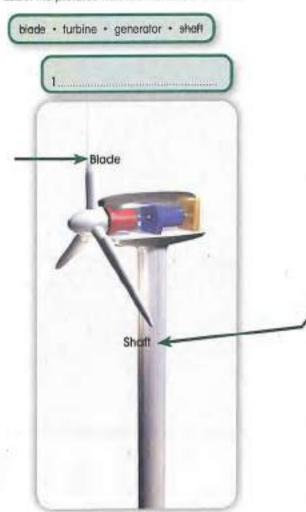
# How do you get energy from movement?

ENGLISH

What is energy?.
Where does energy come from?

### SPEAKING

1 Look at the pictures. Can you name them? Label the pictures with the words in the box.



2 How can you make electricity with these machines?

# READING

Read the text about wind turbines and hydropower.
 Put the sentences in the correct order.



#### Kinetic Energy

Kinetic energy is movement. We use movement from water and wind to get kinetic energy. This makes electricity.

#### How?

#### Wind Turbines

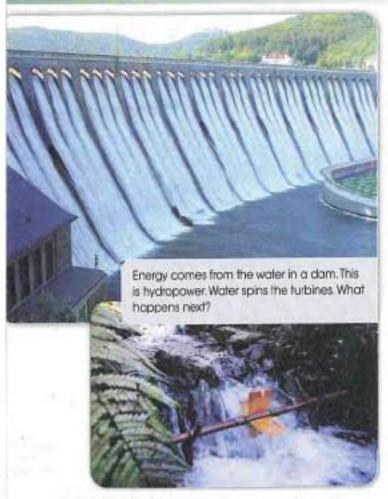
A wind turbine gets energy from the wind and makes electricity.

Wind turbines are tall and they have blades which are 20 meters long. Wind turns the blades which spin a shaft. The shaft turns a generator which makes electricity. A wind farm is a group of wind turbines. Wind farms make a lot of electricity.

#### Hydropower

We can also use water to get energy. This is called hydropower. Hydro means water. We get hydropower when water from a dam turns a turbine. A dam is a big wall that stops water. There are doors in the dam so the water can get out. The water comes out of the dam and the energy from the water spins turbines. The turbines spin generators which make electricity.

Wind Turbines	Hydropower
The shall turns a generator.	Generators make electricity.
	1 Doors open in the dam.
1 Wind moves the blades.	Water falls on turbines.
The blades turn a shaft.	Turbines spin generators.



# LANGUAGE FOCUS

4 Complete the sentences.

We use relative pronouns to start relative clauses.

1 We use .1..... for people and

z or 3 for things.

- 5 Use information from the text to complete the sentences.
  - Kinetic energy is energy that comes from movement

  - 3 A dam is a ......
  - 4 A generator is a machine that .....
  - 5 A wind form is a ......

# Use of English

We use who to give important information about a person and that ar which to give important information about a filing.

Do you know the warrant who called?

I like the play in class.

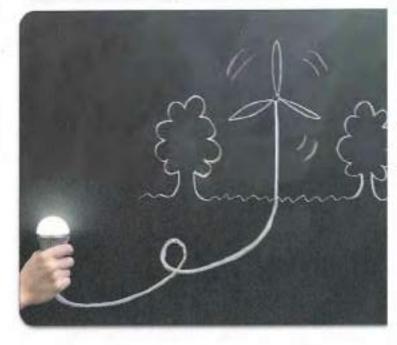
Relative clauses give us more information about a noun.

There are different types of relative clauses.

Defining relative clauses give important information about what we are talking about.

The more who makes wind turbines is an engineer.

A dam is a big that stops water.



# ENGLISH

1	Wr	rite the correct relative pronoun: who or which,
	1	Turbines are machines get energy from wind.
	2	He is the man makes wind turbines.
	3	Hearned about machines make energy from electricity and water,
	4	An oven is a machine heats food.
	5	People study can pass their exams.
2	Pu	t the relative clauses in the correct sentence.
	0	hat have clear water - which make electricity - that Omar likes
	1	There are many beaches
	2	Let's go to the park
	3	Water from a dam moves turbines,
3	Co	emplete the sentences with your own answers.
	1	I want to go to a beach
	2	I want to go to a park
	3	that looks nice.
	4	that makes me happy.
4	Co	emplete the sentences so that they are true for you.
	-1117	A horse is an animal that I like.
		is the last movie that I watched.
		is the person who I sit next to at school.
		is the cousin who I talk to the most.
		is a food that I eat a lot.
		is the class that I like the most.
		is a book that I enjoyed.
		Now work with a partner and read one of your answers. Your partner will guess which sentence
		matches your answer.
		"A horse."
		"An animal that you like?"
		"Yesl"

and the second second second
pool
pool watch

Describe your first word:

It's something that .....

It's something that .....

It's something that .....

ENGLISH

Where does rain come from?

the green of rate? New down get water?

### READING

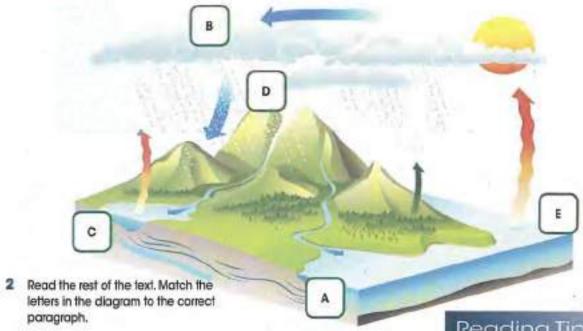
Read the first paragraph. What is the water cycle?

# The Water Cycle

What is the water cycle? Well, the water cycle is the process of water moving around the Earth. '..... The process begins in lakes, rivers, and oceans. This is where water aces after it rains or after snow melts and becomes water. 2..... F...... Next, the sun heats the water that is in the lakes, rivers, and oceans. The heat evaporates some of the water which means that the water turns from a liquid into a gas. This gas is called water vapor.

- 3 ..... The water vapor begins to rise into the air. This is because water vapor is lighter than other parts of the atmosphere. The higher the water vapor rises, the colder the atmosphere becomes.
- 4......When water vapor cools, it starts to condense, which means that it becomes heavier. When the water is heavier, it begins to change from a gas into a liquid. This process is called condensation. The heavy water vapor changes into clouds which can be seen

high in the air. Clouds move from place to place and combine with other clouds. With all the water vapor from clouds in the cold atmosphere, the water vapor begins to turn back into a liquid. 5...... Once the heavy water vapor furns into a liquid, which is called precipitation, it falls to Earth in the form of rain or snow. This completes the water cycle. What is the water cycle? The water cycle is the process of water moving around the Earth.



### 3 Find verbs in the text that mean the following:

- When two things are put together
- When water vapor thickens and becomes a liquid
- When water is heated by the sun and becomes water vapor
- When ice or snow becomes water
- When water becomes hotter from the sun

# Reading Tip

Diagrams help us understand texts by flustrating the information. They are especially helpful when we talk about processes. When we have a text and a diagram, it is important to look at the diagram while reading to make our understanding of the important points stronger.

4	Complete the sentences with information from the text
	and the word in parentheses.

The process begins in la	kes, rivers, and oceans,
	(where)
Next, the sun heats the v	vater
	(that)
The heavy water vapor for	alls to earth in the form of
rain or snow	

......(which)

				***	- 0.1		+4
5	Stort	me	sentences	with	VOUL	OWn.	ideas.

2

3

ig	the time when I wake up every morning.
2	the place where my family goes on holidays.
3	the thing which i use the most often.
4	the person who is my best friend.

- 6 Find one more example of a relative clause in the text on page 41 and underline it.
- 7 Read the text quickly. What is an iceberg?
- 8 Read the text again and answer the questions.
  - Where will the iceberg come from?
  - 2 Where will it be brought to?
  - 3 Where would the water evaporate from?
  - 4 What will form after the condensation thickens?
  - 5 What could happen after it rains?

# SPEAKING

9 Speak to a partner about the positives and negatives of bringing an iceberg to the desert.





# Changing the Water Cycle in the Desert

Many people have had ideas to try and change the water cycle in the Arabian Desert. One idea is to bring an iceberg, a huge piece of ice that floats in the ocean, from Antarctica to the coast of the Arabian Peninsula.

The idea is that water will evaporate from the top of the iceberg and rise into the air. This water would become water vapor. The water vapor will condense over the Arabian Peninsula. The condensation will thicken and form clouds. The precipitation falling from the clouds back to Earth would bring rain to the region. This could possibly turn parts of the desert into a green countryside.





### ENGLISH

Match the words to their definitions.

1 water vapor a the process when water vapor becomes heavier and thicker

2 precipitation b water vapor joined together; can be seen in the sky

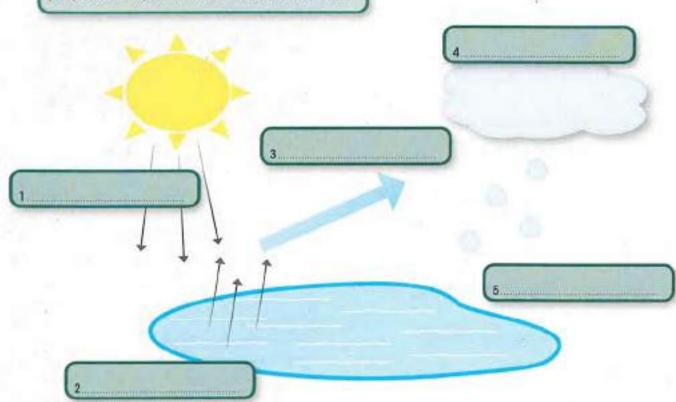
3 almosphere c water which has been heated by the sun and is a gas

4 clouds d the air above Earth

5 condensation e rain or snaw

2 Label the diagram about the water cycle with the words in the word bank.

precipitation • evaporation • heat • condensation • clouds



# Language Tip

You can use relative clauses in two ways:

- To give important information (defining relative clauses)
   Ras Al Khaimah is the place where I go to relax on vacation.
- 2 To give extra information (non-defining relative clauses).
  Ras Al Khaimah, where my cousin lives, is my favorite place to go an vacation.

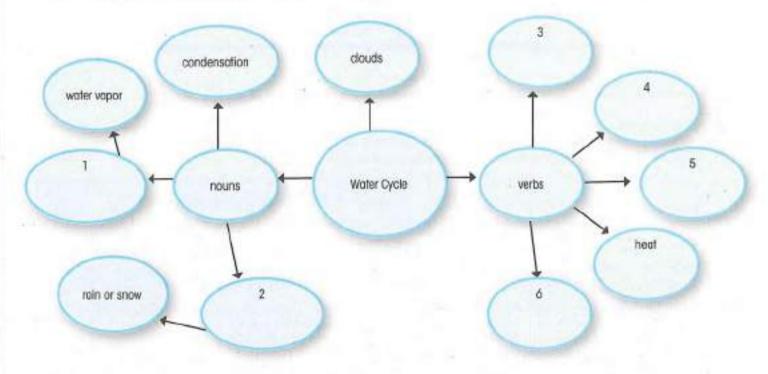
You can use the following relative pronouns:

- who for people: This is the man who works at the bank.
- which for things: This is the plane which has been in my family for centuries.
- · where for places: This is the town where I grew up.
- that for things or people. That can't be used in non-defining relative clauses.

3	Write a sentence with a relative clause using each of the relative pronouns:
	who, which, that and where.

1	
2	
3	***************************************
A	The state of the s

4 Complete the notes with key vocabulary words from the word bank.



5 Think of positive and negative ideas about bringing an iceberg to the desert.

Positives	Negatives



How do we make drinking water?

ENGLISH

The Arms to typical day. How many times do you use water? What for?

### LISTENING

1 678 Listen to the poem. What are the people wishing for?

## VOCABULARY

With a partner, complete the information in the table for each word in the box. Write in the notes section of your book.

clean • filter • lake • tank • pipe • chemicals • store • flow

# Language Tip

Sequencing is when you put something in a particular order.

First, the water comes into the pipe from the river.

Finally, the water will be clean enough to drink.

Word:	Definition:	
Part of speech:	Example sentence:	

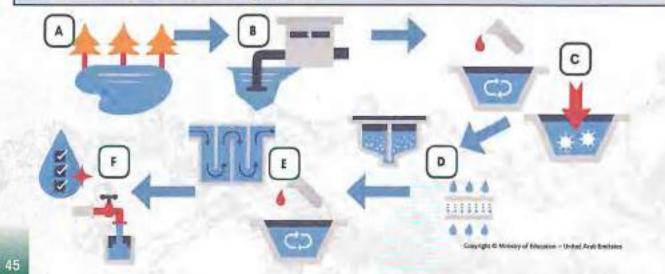
### READING

3 Read the first paragraph. Why is cleaning the water we use important?

hopefully if will always help us to have a long healthy life,

Cleaning the water we use every day is very important. Think about the many ways we use water, from drinking it to cleaning ourselves. Having clean water also keeps us healthy. So, it is important for there to be ways to clean the water we use. We can clean water in several steps. Let's talk about each one below.

when it rains in the mountains, the water comes down and goes into la	kes and rivers.
2, because the water is not clean enough for us to use, it is taken away to	begin the cleaning process
3, chemicals are added to the water that make the dirt stick close together	er. This step is important
because the dirt forms into big pieces, heavy enough to fall to the bottom.  tank and the big racks of dirt are taken away from the water by falling to the bottom. The w	A DECEMBER OF THE PROPERTY OF
next step without big pieces of dirt. 6	s it moves on. 6,, after ese chemicals take away



4 Look at the diagram. Fill in the spaces in the text in Activity 3 with the correct sequence words from the box.

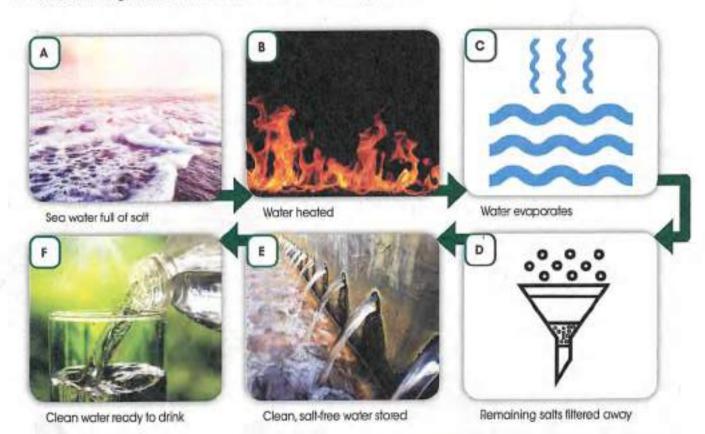
Finally • Third • After that • Second • First

5 Complete the sentences to summarize the process described in Activity 3.

, rc	ain falls in the mountains. S	econd, the rain wat	er flows from thedown	into lakes and
rivers.Third,	take the water fro	m the	and lakes to a cleaning station	
that, the dirty water	er goes into many	that	the dirt out to create	water
	he clean water is	in tanks an	d later delivered in pipes to our	

# WRITING

6 Look at the diagram below. What does it show? Discuss with a partner.



7 How could you summarize the process shown in Activity 6? Discuss with a partner and make notes.

# Writing Tip

When writing a summary of a process it is important not to rewrite the original text. You need to keep your summary short and use your own words. In addition, you should refer to the main ideas in the original text. Lastly, when writing a summary that describes a process you should use sequence words like first, second, third, next, after that, and finally.

# How do we make drinking water?

# ENGLISH

- Match each word with the correct meaning.
  - 1 store-
  - 2 filter
  - 3 pipes
  - 4 chemicals
  - 5 lake
  - 6 tank
  - 7 dean
  - 8 flow

- a to pass a liquid through a piece of equipment to remove solid pieces or other substances
- b not dirty
- c a large area of water that has land all around it
- d a large container for storing liquid or gas
- e a long tube that liquid or gas can pass through
- f a basic substance that is used in chemistry or produced by chemistry

1001-011-011-011-011-011-011-01

- to put something somewhere and not use it until you need it
- h a smooth continuous movement of a liquid
- 2 Unscramble the letters to make the correct sequence word. Afterwards, put them in order.

# 1 HENT

- 3 ATFER HATT
- 4 DTHIR
- 5 EXNT
- 6 TFISR
- 7 CSONDE

Language Tip

We use sequence words to show the order of events, especially in describing the process of how something is done from start to finish.

3 Describe your day yesterday using any of the sequence words from the box.

first . then . after that . second . third . finally . next

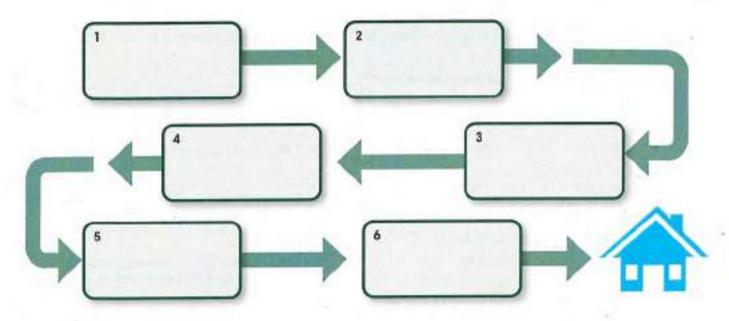
1:	
	, I went to school at (time) <sup>5</sup>
Then, I arrived at school	At school, I went to my first lessons which are (lessons)
6	
a break at (firme) *	
n	, at (time)
u	

# Writing Tip

Use the sequence words to order events.

first - second - next - third - then - after that - finally

4 Plan your summary of the water cleaning process shown in Coursebook Activity 6. Use the diagram below to help you.



5	Write your summary of the water cleaning process shown in Coursebook Activity 6. Use your planning notes from Activity 4 above.
	COMMENT DE SOURCE DE VAN DE LE COMMENT DE LE COMMENT DE COMMENT DE COMMENT DE LE COMME

6 Read your task above. Check (<) the boxes below if the answer to the question is yes.</p>

Is there information about the process of cleaning water?	is the process of cleaning water ordered correctly?	Are the sequence words used correctly?

### ENGLISH

# VOCABULARY

Complete the sentences with the words from the box.
 One word is not used.

robot • engineer • warehouse • turbine • rainfall heat • chemicals

1	An	builds things such as cars,
	machines, and buildin	gs.

2	There is more	in the winter than
	in the summer.	

4	Α	can generate a lat of
	electricity when the	vind is strong.

5	There are	100 cors	stored in the	

 A \_\_\_\_\_\_ can do lots of things faster than humans.

# LANGUAGE FOCUS

2 Underline the correct noun and relative pronoun in each sentence. Example:

The arm of the robot that picks things up is strong.

- 1 A computer that gets too hot may shutdown.
- 2 This is our car, which we have had for a long time.
- 3 I need a bag that can carry all of my books.
- 4 I have a brown table in my bedroom that I do my homework on.
- 5 The cleaner robot has wheels which help it move around the house.

3 Put the sentences in the correct order.

1 books / the / scientist / man / is / that / a / wri
---

4.	which / get / turbines / energy / are / wind / from
	/ machines

# **SPEAKING**

- 4 In pairs, ask and answer the question below. Use the words that and which to explain what the robot's parts are for.
  - What robot do you think should be in the school and what should it do?

# VOCABULARY

5 Put the words in the box under the correct heading in the table.

Noun	Verb

# READING

6 Read the sentences, and put them in order. Fill in the blank spaces with the correct sequencing word.

Firstly • Secondly • Then • Finally	
, I put the blades that I made on the turbine so they can spin.	
, I get in my car and drive to the engineering warehouse, In the engineering warehouse, I get the things I need to build a wind turbine.	
, I look for the place in my yard that has the mo wind and put the wind turbine there.	si
, I out and put together the material to make the	0

# SPEAKING

- 7 Imagine you want to build something to heat water using the sun. This water will be used in your house. Discuss the questions with your partner.
  - 1 What do you need?

wind turbine blades.

# WRITING

8 Write what you will need to do to build the heating system. Use sequencing words.

# 2 How does it work?

3	Where	on	your	house	should	it be?
---	-------	----	------	-------	--------	--------

# Self-assessment

Read the statements and check the best description.

I can listen to a padcast and find the important words.

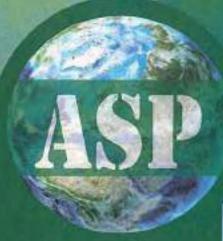
I can work with my classmates to design a robot.

I can read and understand a text about wind power.

I can label a diagram after reading a text about the water cycle.

I can describe the process of how water is cleaned in a short text using sequencing words.

Yes	Moybe	No



# UNIT 3 It's a Small World

# **ENGLISH**

# Key Learning Objectives

Listening

To little to short recordings obout why people form a second language and determine the reasons

Speaking

To lead and participate in grate discussions about sument exents.

trangleo

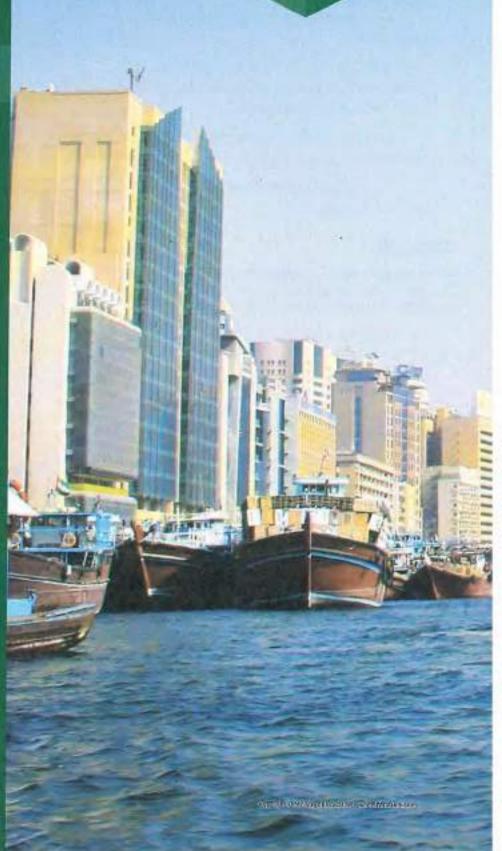
To use a range at appointment to describe where trad comes trans

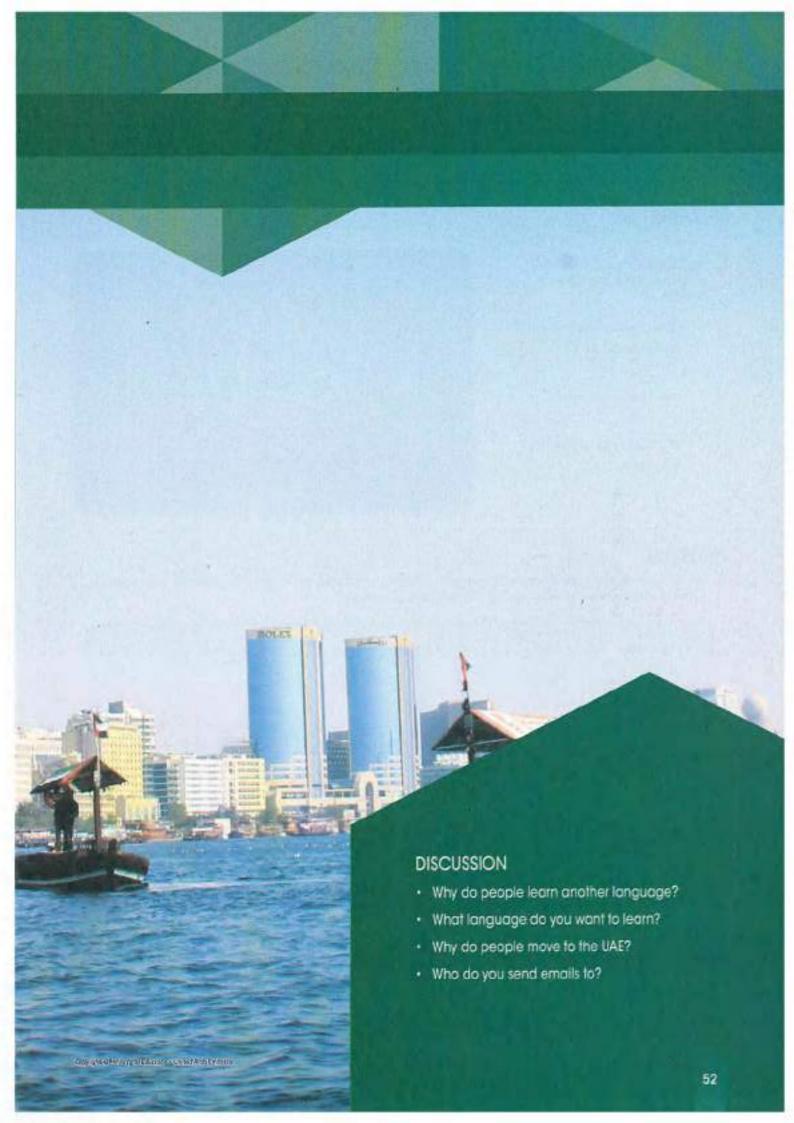
Beating

To read an erroll
describing the
altimost ways to travel
in the present and
past.

Witting

To write on emoil informing a history oil with the do onthe in the Unit Law in







Why do people speak a second language?

ENGLISH

What is the first language you learned?
What is your second language?

# **SPEAKING**

you	k the following questions with ur partner. Take notes of their swers.	Dankie Obrigado W W C Dankie
	What other language do you	Graciac X X MERCI
	want to learn?	TAKE DAKUJEW
	***************************************	Vöszi Livala Danken II.
	***************************************	Merci Dankjewel AITAH Enwood
		Dekuju Thornks morte Nagode Prason
	Why do you want to learn this	
	language?	Ethanisto Chacubo GRazie
		Enaron apan Palades Koszönöm TACI
		The state of the s

# LISTENING

2 (se) A local radio show asked five Emirati teenagers about second languages. Listen to the recording. Write down the name of each teenager and the second language they are learning.

Teenager 2
Name:
Second Language:
Reason for learning a second language:
Teenager 4
Name:
Second Language:
Reason for learning a second language:

3 (s) Listen to the interviews again. Note down the reasons why each teenager is learning a second language.

Teenager 5	
Name:	
	uoge.

# SPEAKING

- 4 Do a survey of students in your class. Find out what second languages your classmates are learning and the reason. Look at the example for help.
  - Ask each classmate what second languages they speak and the reason they learned this language.
  - Ask ten classmates and till out the information in the data table below.

Name	Salf
Language	Spanish
Reason	Travel to Spain

# Listening Strategy

When you are listening for a reason, listen for key words like because, so and but.

For example, Ahmed says: "I went to the doctor today because my stomach hurt." Why did Ahmed go to the doctor? Because his stomach hurt.



Name	1	2	3	4	5
Language			4		
Reason	4		4		
Name	6	7	8	9	10
Language					
Reason					

- 5 Once you have the data, compare your results with another classmate. Discuss the following questions:
  - · What is the most popular language? The second most popular? The third?
  - Why are most students learning another language?
  - How will learning these languages help in their lives?



# Why do people speak a second language?

#### ENGLISH

- Match the words to their definition.
  - 1 business

Describes people, things, or places from another country.

2 foreign

b A store or company that makes money.

3 visit

c To change the words from one language to another language.

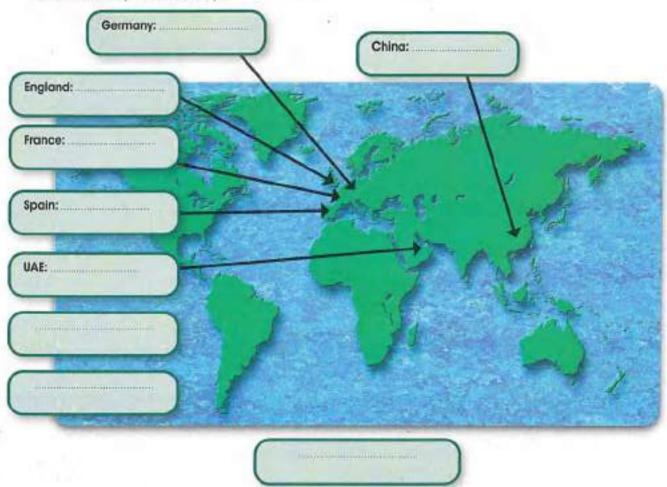
4 mason

- d To go to another country.
- 5 second language
- e To talk with ar write to other people.
- 6 communicate
- f Why you do something.

7 translate

- g Any language you know that is not your first language.
- 2 Look at the countries on the map. Each of these countries speaks a different language. Match the language to the country. Write them in the correct box.

What other languages do you know? Write them down in the blank box and draw a line to the place on the map.



is similar to the countries they come from. For example, the language of Mongolia is Mongolian.  Popular suffixes for languages are:
Mongolia is Mongolian.  Popular suffixes for languages are:
on why you are doing something, Look ne Coursebook. Write a sentence using ager learned another language. cause he wants to run his family's business.  agers are learning a second language. Take thurn them into questions and answers.  h? family's business.
on why you are doing something. Look ne Coursebook. Write a sentence using ager learned another language. cause he wants to run his family's business.  agers are learning a second language. Take I turn them into questions and answers.  h? family's business.
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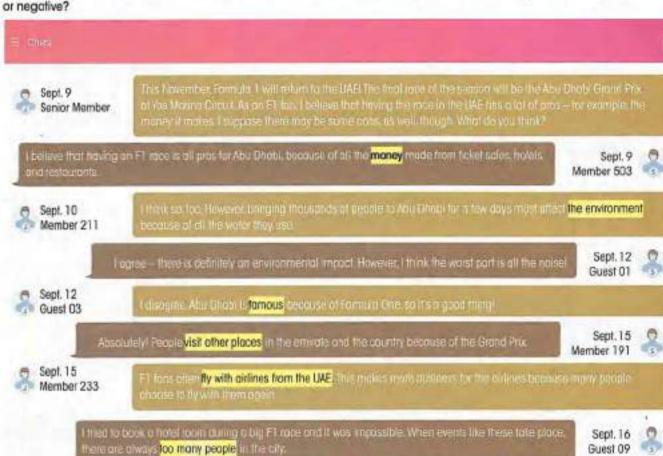
# How can sports help people and countries?

ENGLISH

What can you learn about a country by watching international sports?

#### READING

Read the discussion from an online forum about the Abu Dhabi Grand Prix. Do people think having the event is positive or negative?



Read the forum discussion again. Complete the chart with the pros and cons from

Pros	Cons
money	- I want to be a second
	The second second



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the text.

### SPEAKING

3 Decide how much you agree or disagree with the ideas from Activity 2.

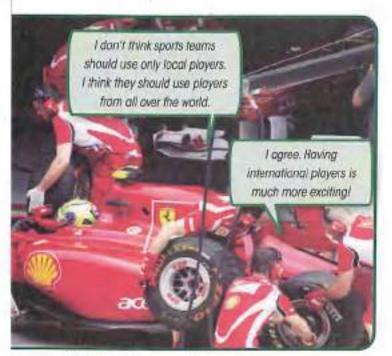
Statement	Completely Agree	Agree	No Opinion	Disagree	Completely Disagree
Member503					
Member211					
Guest01			* .		
Guest03					
Member191					
Member233					

4 Discuss your ideas from Activity 3.

I think making money is a pro.

l agree.

- 5 Read the sentences. In groups, discuss how much you agree or disagree. Use the phrases from the Speaking Tip.
  - + Sports teams should only use local players.
  - Golf courses use too much space and water.
  - The Olympics should be held every year.
  - Governments should spend money on all sports, not only soccer or Formula 1.
  - Holding big sporting events like the Olympics is too expensive.



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# Speaking Tip

You can use the following expressions to show interest when having a conversation.

- Me. too.
- · lagree.
- I don't agree. / I disagree.
- · I'm not sure.
- . I think so, too.
- I don't know.

#### For example:

- A: I think the Abu Dhabi Grand Prix has made the emirate famous.
- Me, too. Now more people visit the UAE.
- A: I believe hotels and restaurants make a lot of money because of the race.
- B: I don't know. There are always lots of people visiting the UAE.





# How can sports help people and countries?

# E

VG	LIS	SH			
1	Une	scramble the words.			
	1	oneeiminmvta aptimo			
	2	Gdma xPir			·invituois.
	3	raoflum Oen			CAMPAGE STATE STAT
	4	cera			Santander
	5	ylsno			
	6	mfruo			
	7	oumals			
	8	snfa			
	9	kate Ipcae			
	10	obko			
2	Wri	ite in the words from Acti	vity 1, then match	n them to th	e correct definition.
	1	environmental in	mpact	a	an Internet discussion page
	2			b	a competition with cars to see who is the fastest
	3			c	the effect on nature and the planet
	4			d	loud; foo much sound or volume
	5			0	happen; accur
	6	I I I I I I I I I I I I I I I I I I I		f	a very important race
	7			a	people who like something/someone a lat
	8			h	to reserve; to make plans
	9			1	someone who is well-known; a star
	10			i	the highest type of carracing
2	Ch	ones through none / come to	m the levt in the	Coursebool	k, Write sentences with because.
					bu Dhabi Grand Prix makes a lot of money for the emirate.
	-				
	×				
	3	Because of			
	4				





4	t Ami	la te	Here.	-	lences.
44	Mai	cn.	1he	Sent	RECEIS.

- Buri Khalifa is amazing! —
- 2 Dubai Mall is the best mall in the UAE.
- 3 Dubai has the best beaches.
- 4 Summer is the best season.
- 5 Have Formula One racing.

- a I disagree. I prefer winter.
- b lagree. It's the tallest building in the world, too.
- c I'm not sure. Fujairah also has some incredible beaches.
- d Me, top, it's so exciting to watch.
- e I don't know Ibn Battuta Mall is really interesting.
- 5 Work in pairs. Complete the sentences with your ideas.
  - I think the Abu Dhabi Grand Prix has made the emirate famous.

    Me, too. Now more people visit the UAE.

    I believe

I'm not sure.

- | think so, too.\_\_\_\_\_\_
- 6 In groups, share your ideas from Activity 5. Choose a topic and write your group's ideas as an online forum.



3C

# Where does your food come from?

ENGLISH

While from grows in the UAEP.
While book grows in other countries?

### READING

 Look at the poster. Circle the countries and continents in the text and label them on the map.



#### Dates

UAE.

The Middle East has the perfect weather for dates to grow.

The UAE grows around 44 million date paim trees and they produce many types of dates. Do you know how many?

India buys a lot of dates from the

#### Cocoa

Cocoa trees grow 20° north and south of the equator. Cocoa trees grow in hot, rainy countries. Today, most cocoa beans come from crops grown in West Africa. Cocoa beans make chocolate. It takes about 1,000 cocoa beans to make 1 kg of chocolate.

#### 500

#### Rice

India and China grow and produce the most rice in the world. People in Asia eat a lot of rice. Some of the rice we eat also comes from Indonesia, Thailand, and Vietnam.



#### Tea

The UAE buys a lot of tea it comes to Jeber All, where it is mixed and then sent to other countries. Jeber All is one of the biggest ports in the world, so it can send tea to many countries. Most of the tea in the world comes from tea plants in Sri Lanka, India, Kenya, and China.



# Did You Know?

The most important food crops in the world are rice, corn, and wheat. Where do they grow?

- 2 Read the information in the poster and answer the questions.
  - How many cocoa beans do you need to make
     1 kg of chocolate?

     Which country buys dates from the UAE?

3	Which two countries make the most rice?
4	Which countries make a lot of fea?

# **LANGUAGE FOCUS**

3 What do you eat every day? What do you use when you cook? Think of nouns and put them in the correct box.

Countable Nouns	
cup	

Oncou	ntable Nouns
	water

4	Choose the best quantitier for each sentence. Use the	1e
	text to help you.	

1	The UAE grows date palm trees.
2	People in Asia eatfice.
3	The UAE doesn't grow rice.
4	of the rice we eat comes from
	Vietnam.
5	Hawcocoa beans come from
	West Africa?
6	India buys dates from the UAE.

5	Use the text from Activity 1 and ask questions to qu	uiz
	your partner.	

	e the text from Activity 1 and ask questions to our partner.	ļuiz
Fo	r example:	
W	here do cocoa trees grow?	
W	here does tea come from?	
W	rite three questions below.	
1		
2		
3		

# Use of English

Quantifiers come before a noun. They tell you about the amount of a noun (how much or how many).

= a small amount a few some = a large amount a lot much many

	Countable plural nouns	Uncountable nouns
some	V	1
a little		1
a few	*	
a lot of	- 1	*
much -		1
many	4	

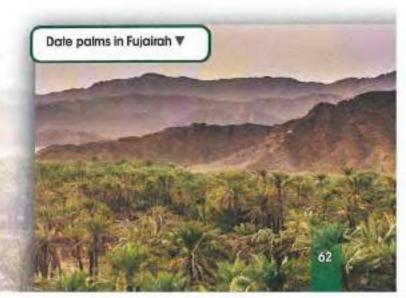
Answer the questions.

Which quantifiers do you use in negative sentences and questions?.....

Which quantifiers can you use with both countable and uncountable nouns?....

# Vocabulary

A crop is a plant that we eat.



# Where does your food come from?

## ENGLISH

- - 1 What is your favorite meal? .....
  - 2 What foods are in it?
  - 3 Where do you think these foods come from?
- 2 Put the words in the correct categories.

a bar of chocolate • milk • a bottle of water • water • dates • bananas • a cup of tea • honey • nuts • a lot • some • a little • a few • many • much

#### **Countable Nouns**

# **Uncountable Nouns**

- 3 Read the sentences and decide if they are correct ✓ or incorrect X.

  - There is a little milk in the bottle..........
  - 3 There is a lot of dates in the palm tree......
  - 4 We have a few palm trees.....
  - 5 How many bottles of water do you have? ......
  - 6 How much bananas do you have? .....
- 4 Match the words to make sentences.
  - 1 How much

a milk in my tea?

2 How many

- b food will be more expensive.
- 3 In the future, a lot of
- c food do you eat every day?

4 Put some

- d dates do you want?
- 5 Can I have a little
- e honey on your bread.

5 Read the paragraph about dates. Then read the questions and circle Yes or No.

The UAE has the perfect weather for dates to grow. There are cround 44 million date palm trees in the UAE and many types of dates. The UAE sends dates to many countries around the world. People in both the UAE and other countries buy them to eat.

1 Can you find any opinions in the text? Yes / No

2 Can you find any facts in the text? Yes / No

# Writing Tip

An **informative text** tells you about something, it has facts and clear information. It does not have opinions.

How to write an informative paragraph: Introduce the topic.

Talk about facts.

Describe the topic.

Conclude with a sentence about the topic.

3	You	are going to research a food and write an informative paragraph about it.
	1	What food do you want to research?
	2	Write notes about the food here:
	3	Write your paragraph using 5 or 6 sentences.



ENGLISH

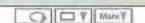
# How has travel around the world changed?

We be a part to the second lodge? How do you travel on vacations?

The interest organize way to travel places?

#### READING

1 Read the first part of the email Noora's grandmother, Huda, wrote to her. Where did Noora go on holiday?



Hello Noora,

I am so happy to hear from you! Thank you for sending pictures from your trip to Oman, it looks like you had a wonderful time. I can't believe how easy it is to travel using modern transportation like airplanes. Many people even go to places like North America and Asia. When I was your age, only a few people went on holiday to different countries.

I remember my first time traveling to a different country. My family and I wanted to visit Manama, in Bahrain. We traveled on a dhow, which was how we used to travel by boat. The ship sailed from the Dubai Creek. We lived in Al Dhaid then, so we had to take a bus all the way there. Today, that is a one-hour drive. However, back then it took several hours. The roads were still being built, so it took longer to travel.

It took three days to sail to Manama. It is hard for me to believe that today I can sit on a plane and be in Manama in one hour. Of course, it was hard for my grandparents to start using cars. When they were younger, everyone traveled by carnel caravan or on foot. It took a long time! See you soon!

Grandmother Huda

- Read the full email and answer the questions.
  - 1 Did many people travel to different countries on vacation when Huda was younger?
  - 2 What was the first country Huda traveled to?
  - 3 How did Huda travel to Manama?
  - 4 Why did it take so long to travel from Al Dhaid to Dubai?
  - How long did it take to sail from Dubai to Manama?
  - 6 How long does it take to travel from Dubai to Manama by plane today?



# Reading Tip

When reading for details to answer questions, it is a good idea to read the questions first and underline key words. Then you know what you are looking for.

- 3 Answer the questions using the text. Use complete sentences.
  - How does Huda start the email?
  - How does Huda end the email?
  - How does Huda start the first paragraph of her email?
  - Is this a formal or informal email?

# Language Tip

Use only + a few/a couple to show that there is a small number of something.

Only a few people traveled by airplane in the 1930s 4 Use information in the text to complete the tables.

Traveling through time

The way we travel has changed a lot over the last 100 years. Before the 1960s, many people traveled to other countries by ship. This was the easiest and cheapest way to travel. However, this changed very fast when people made faster airplanes. Today, we are usually only a few hours flight away from anywhere, so you can save a lot of time.

In the 1950s, if you wanted to travel to New York from London by ship, it took 3 days and 12 hours. That was on the fastest ship. Now, if you want to travel the same route, it only takes about 8 hours to fly between the two cities.

To get to Sydney, Australia it took even longer. In 1950, it took about 28 days to travel by ship. Now, it takes only 22.5 hours by airplane.

In the future, new travel technology might surprise some people. This is because travel time-will get less and less.

# Traveling time by ship in 1950 and plane in 2019 from London to New York

By plane in 2019 (in hours)		
2.		

# Traveling by ship in 1950 and plane in 2019 from London to Sydney

By ship in 1950 (in days)	By plane in 2019 (in hours)		
3.	4.		
3.	4-		

- 5 Complete the sentences using words from the text.
  - Before the 1960s, \_\_\_\_\_\_ people traveled to other countries by ship.
  - 2 Today, we are usually hours flight away from anywhere...
  - 3 ...so you can save ...... time.
  - 4 In the future, new travel technology might surprise \_\_\_\_\_\_ people.
- 6 Use the table below to complete a class survey. Ask your classmates the questions and circle their answers.

HOW DO YOU TRAVEL?							
Questions	Student 1	Student 2	Student 3	Student 4	Student 5		
How do you travel to school?	A. on foot	A. by foot	A. by foot	A by foot	A. by foot		
	B. by bus	B. by bus	B. by bus	B. by bus	8. by bus		
	C. by car	C. by car	C. by car	C. by car	C. by car		
Haw do you like to travel on vacation?	A, by our	A. by our	A. by car	A by car	A, by oar		
	8. by ship	B. by ship	B. by ship	B. by ship	B. by ship		
	C by airplane	C. by airplane	C. by airplane	C. by airplane	C. by airplane		

7 In groups, discuss the differences between how you travel and how your grandparents travelled.

# How has travel around the world changed?

### ENGLISH

I	ind the words in the text on page 65 that mo			
1	(noun)	a type of emirali boat that has a	sails	
2	(noun)	a place with its own governmen	nt and laws	
93	(adjective)	something cultural that has bee	en done for a long	g time
4	(verb)	to travel by boat		
5	(adjective)	something new		
6	(noun)	the different ways people travel		
7	(noun)	a small river		
	complete the sentences with the words from hange the form of the words.	Activity 1. You may need to	Writing	g Tip
3 4	Buses, airplanes and trains are different ty	When writing an informal en you can use the following greetings: Hello Hello Reen Dear Dear Morn		
6 7	years. The UAE has many new buildings; it is a ve	ery country.		g an informal email, the following
3 1	ook at the email. Circle the correct greeting	and ending.		

	○ □ ¥ Move ¥
Take care / Dear Grandmother,	14
My family and I are going on a trip to	
See you soon / Dear	

4 Complete the email with ideas of your own (30 words).

5	Use the words in	the how	to complete t	he sentences
	ASE THE MOTOR III	HIC DOX	in complete	the action leads

(	a	few	some	٠	many	٠	lot of
U	ď	-	SOITIG		Hours.		101.01

■ The second of the secon	
<ol> <li>There are a places you can travel to from the U/</li> </ol>	AE.

- 2 There are \_\_\_\_\_\_ different ways to travel.
- 3 ......people like to travel by ship; others like to travel by air.
- 4 Only \_\_\_\_\_ people travel from Dubai to Manama by ship.
- 6 Look at the results of your survey. Use the tables below to record the data from your survey, and the data from your group's survey.

	My Sur		
Question 1	on foot	by bus	by car
How do you travel to school?			
Question 2	by car	by ship	by airplane
How do you like to travel on vacation?			

	Group Su	irvey	
Question 1	on foot	by bus	by car
How do you travel to school?			
Question 2	by car	by ship	by airplane
How do you like to travel on vacation?			

7	Write sentences using a few, some, many, and a lot of about	your survey.
	Willie Settletices ustill a ten some, many, and a lor of door	rout survey.

1	
2	

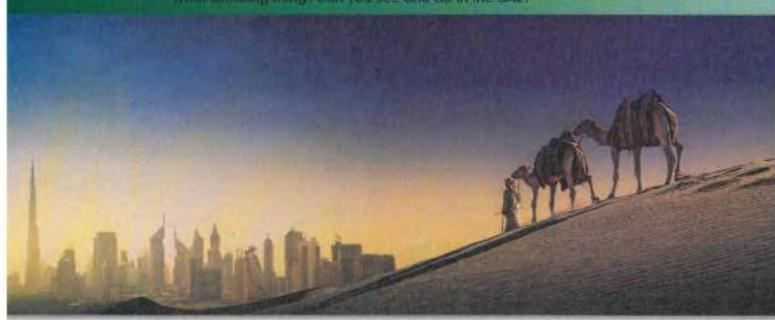
- 3
- 4



What can visitors see and do in the UAE?

ENGLISH

Why is the UAE a great travel destination?
What amoning things can you see and do in the UAE?



### LISTENING

1 99 Listen to the radio ad about the UAE. Fill in the gaps with the missing information.

Dubai	Ras Al Khaimah	Sharjah
Population. million people in 2016, visitors In 2017, visitors Deboi Mell, shoos Burj Xhanta is feet fall.	Jebel Jais: meters tall different types of dates kilometers of beaches	Nomed  Copile) of the UAE  largest Emirate in UAE Has the Sharjah Museum and the Sharjah Museum of Islamic Civilization

- 2 (9) Listen again and complete the sentences with the correct information.
  - You......to Dubai mall, the world's biggest shopping mall.
  - You \_\_\_\_\_\_the tailest building in the world, the Burj Khalifa.
  - 3 You ...... the beautiful water fountain show.
  - 4 In \_\_\_\_\_, you can climb the highest mountain in the UAE, Jebel Jais.
  - 5 You can ...... one of the top date farms in the UAE.
  - 6 Ras Al Khaimah also has white sandy beaches, with clear blue water where you \_\_\_\_\_\_\_ water sports.
  - 7 In Sharjah ...... the Sharjah Art Museum and Sharjah Museum of Civilization.
  - In Abu Dhabi, you can go to \_\_\_\_\_\_ Sheikh Zayed Grand

    Mosque and have fun at Ferrari World.

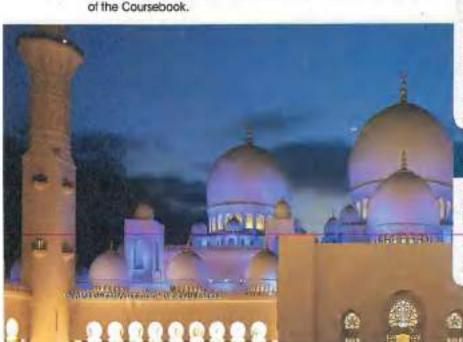


### WRITING

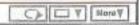
3 Complete the sentences using can.

For example; in Dubai, you can go shopping at the Dubai Mail.

- 1. In Dubai, you .....
- 2. In Dubai, you .....
- In Ras Al Khalmah, you \_\_\_\_\_\_
- In Ras Al Khalmah, yau ......
- 5. In Shorjah, you .....
- 6. In Sharjah, you
- 4 Read the email and answer the questions.
  - 1 Who is writing the email?
  - 2 Who is she writing to?
  - 3 Underline the following parts of the email:
    - a the greeting
    - b the opening sentence
    - c the reason for writing
    - d the closing sentence
    - e the ending
  - 4 Why is Zainab writing?
- You are going to write an email to Zainab. Plan what she can do with her family in the UAE, Use the graphic organizer in Activity 4 of your Workbook.
- 6 Write your informal email on the lines provided in Activity 5 in your Workback. Use the information you gathered from Activity 4 of the Courseback.







Hi Saral

How are you? I'm really excited because I'm writing to tell you that I'm coming to visit you in the UAE!

I'm traveling with my family in December, so I hope the weather will be nice for our trip. We are planning to travel around all of the emirates and I was wondering what we can do. I haven't traveled to the UAE before, so I'm excited to see all of the different things you can do in each emirate.

I hope you can help me and give us some ideas for our trip!

All the best.

Zainab

### Writing Tip

5 Email Writing Tips:

- 1 Start with a greeting: Hi Zainabi
- 2 Write an opening sentence: So, I hear you're carning to the UAE?
- 3 Give a reason: I'm writing to...
- 4 Write a closing sentence: I hope to hear from you soon!
- 5. Ending the email: All the best.

### Language Tip

To talk about possibility, we use can + infinitive.

For example:

In the UAE, you can do many things.

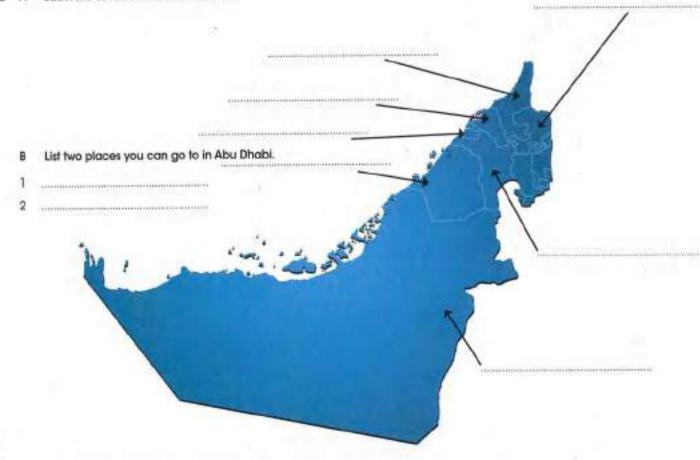
In Ras Al Khaimah you can go to Jebel Jais.



# What can visitors see and do in the UAE?

### ENGLISH

- Match each word with the correct definition.
  - a something that is unique and different modern -
  - a place where a traveler goes to or visits traditional
  - related to something in the present, new things travel 3
    - a time during a holiday; free time vacation
  - to make a journey; go to another place special 5
  - related to something from the past; old ideas destination
  - an advertisement; persuades you to do something ad
- Label the seven emirates of the UAE.



Complete each sentence with two activities your friend can do in the UAE. Try to think of your own ideas.

1	In Abu Dhabí, you can	
	and	
2	In Dubai, you can	
	and	
3	In Ras Al Khaimah, you can	
	and	
4	In Sharjah, you can.	
	and	

### Did You Know?

The UAE population consists of 200 nationalities. While Arabic is the official language, many people also speak English. Hindi and Urdu.

	0.	17).				
What things can you recommend?	b.					
	c.	W a				
	a.					
List your favorite places in the UAE:	b					
	C.					
	(2)					
	4		4		v	
Why are these places your favorite?	e i					
my die mese places your lovemen	2			-		

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	 	·		 

### ENGLISH

### VOCABULARY

- Match the following words to their opposite.
  - 1 traditional
- a same

2 noisy

- b vacation
- 3 business
- c second language
- 4 visitor

- d normal
- 5 first language
- e local
- 6 different
- f quiet
- 7 special
- g modern
- 2 Fill in the missing words to complete the ad with the words in the box.

travel • destination • tourists

book - country - route - reasons

### Come Visit Ras Al Khaimah!

Welcome to beautiful Ras Al Khaimahl There
are many 1 fo visit
our emirate. RAK has some of the best beaches
in the 2
1 by boal to many
small islands in the Arabian Sea. 4
love taking pictures of our
amazing mountains and red sand dunes. You can
even travel by carnel and follow our traditional
1 through the
desert. This is why Ras Al Khalmah is a great
a for visitors and locals!
<sup>7</sup> a vacation to Ras Al
Khaimah today!

### LANGUAGE FOCUS

- 3 Read the following text. Circle the correct answer.
  - In the past, there were only a lot of / a few places
    Emitatis could travel to, like Oman or Saudi Arabia.
    This is because we traveled slowly by boat, camel,
    or horse. It would take a few / many days to travel
    to other countries, even weeks!
  - 2 These days, we have more choice. We can trovel to many / some countries around the world. It is so fast, tool it only takes a lot of / a few hours by plane to reach other countries.
  - 3 We can go anywhere! We can meet many / some people from a lot of / a few different countries. Good thing there are a lot of / a few languages that many / some people speak. like English.

4	Read the following sentences. Finish the sentence
	giving a reason why you do it. Use because to
	connect the two parts.

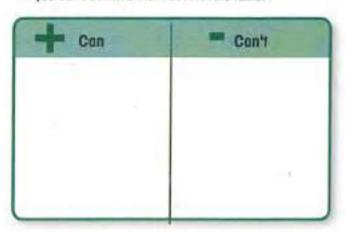
1	I like to travel
2	I learn new languages
3	I am nice to my friends
•	TOTAL
4	I eat breakfast every day
5	I procfice soccer

5	Complete your personality profile. Use a few, a lot of
	many, some.

1	Lknow	how	to	nlay	Control of the Contro	sports

- 2 I like to read ...... books every month.
- 3 I spend ...... hours watching television every day.
- 4 I sleep ...... hours every night.
- 5 I like talking with...... people every day.

6 Make a list of five things you can do and five things you can't do. Write them down in the table.



### **SPEAKING**

7 Go around the class. Ask the other students if they can do the same things you can do. If they can do the thing, put a check next to the word on your list. Also ask them other questions based on their answers. For example: "Do you enjoy doing it? Why?" They should try to explain their answer using 'because'. Did you find someone who can do each thing?

Can you ride a horse?

Yes, I can ride a horse.

### Self-assessment

Read the statements and check the best description.

I can listen to a recording and find out the reasons why people do things.

I can make a list of the things I can and can't do.

I can lead a group in a discussion.

I can describe how food comes to the UAE.

I can write an email describing things people can do in the UAE.





### **ENGLISH**

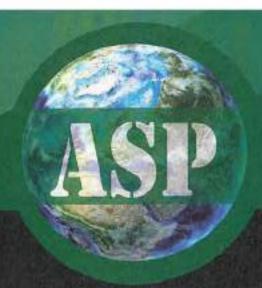
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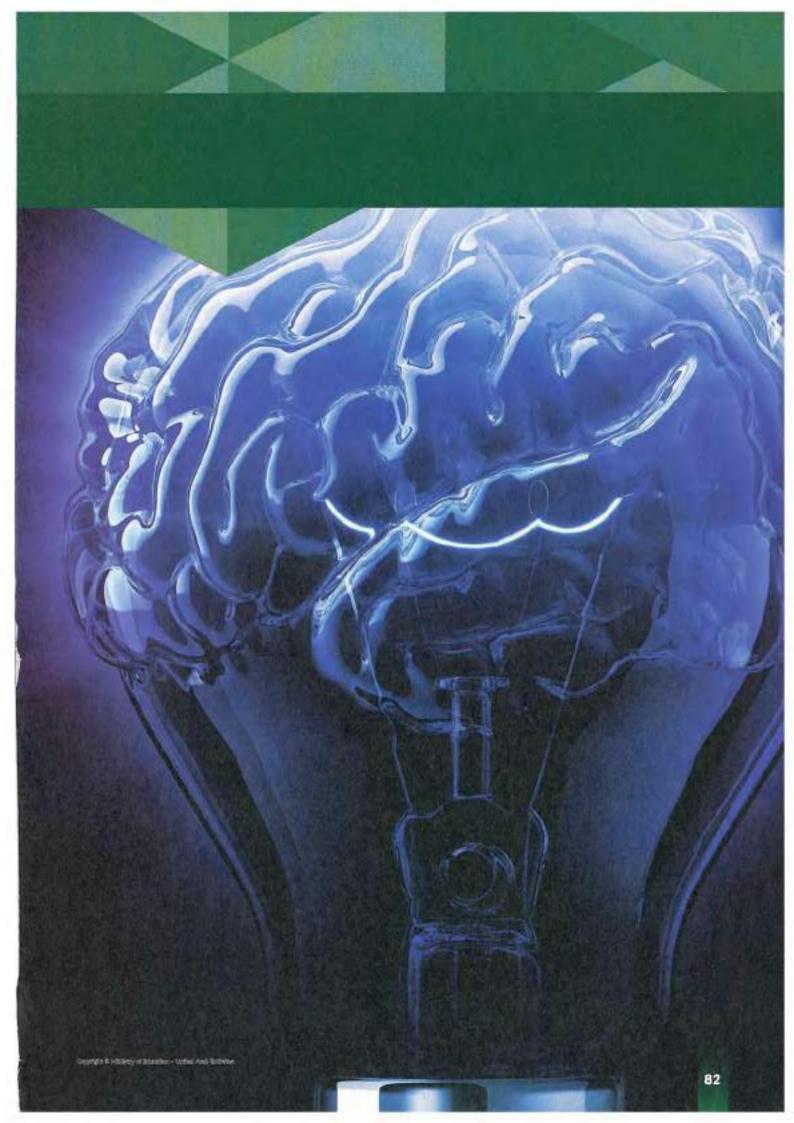


### ENGLISH

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# Projects



# STEAM PROJECT 1

# Design a Light Show

**PROJECTS** 

Have you watched any famous light shows?
How aid you teel watching the light shows?

### **GETTING STARTED**

- 1 In groups, look at the four pictures and answer the questions?
  - a Which cities are in the pictures?
  - b What special event is happening in each city?
  - o What would you expect to see at this special event in the UAE?



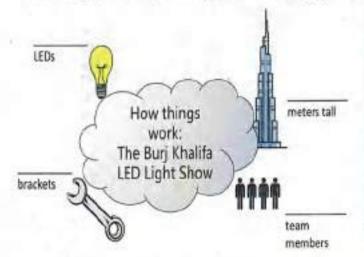




the LEDs in place.



2 Read the text and place the figures into the infographic.



### How it works: The Burj Khalifa Light Show

The Burj Khalifa in Downtown Dubai is the largest and highest LED screen in the world. It is 828 meters tall

42 team members work together to fix the screen if there are any problems. They also help design the light shows, like the one at the 2018 New Year's Eve event. There are 357,231 LED lights that create and can project any design. There are 75,000 brackets that hold

There is some very special computer software that controls all the lights and creates the amazing images on the building.

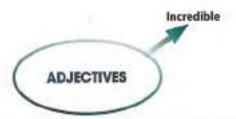
### 3 Read the text again. Circle True or False

1	The Burj Al Arab has the largest and highest screen in the world.	True	False
2	The Burj Khalifa is over 1000 meters tall.	True	False
3	Forty-two people help design the Burj Khalifa light show.	True	False
4	The LED light show can create any design.	True	False
5	Special computer hardware controls all the lights.	True	False

### PREPARATION

4 Look at the poster. In groups, make notes about what information is included.

5 Underline all the adjectives from the poster. Add them to the mind map, like the one below.



### Did You Know?

You can use synonyms to make your writing sound more interesting. For example, spectacular, incredible, breathtaking, wonderful and amazing are all synonyms

6 In pairs, think of synonyms for the adjectives in the text and add them to your mind map.

### PLANNING

- 7 In groups, discuss what images you would include in your own LED light show about life in the UAE.
- 8 In groups, decide on which UAE landmark you would like to have your LED light show.
- 9 In groups, decide what information you would like to include on a poster for your UAE LED light show. Use your notes from Activity 4 to help you.

### TASK

10 Design a poster for your own UAE light show. You must include information about the event, and a paragraph full of adjectives to describe your LED light show. Use the example poster and your planning notes to help you.

# Burj Khalifa Light Show

Come and see the most spectacular light show in the world!

This will be an incredible and breathtaking event for family and friends to enjoy.

Watch many colorful LED lasers light up the wonderful Downtown Dubai Skyline.

Don't miss this amazing and beautiful show!

Price: Adults: 50 AED Children: 20 AED Time: 8pm Location: Downtown Dubai Date: 18th March Book enline: www. amazingburjkhalifalightshow.com

### PRACTICE

11 Practice presenting your poster to the class.

### PRESENTATION

12 In groups, present your poster to the class.

Explain why you have chosen:

- The images of the UAE
- The landmark
- The adjectives to describe the lightshow

### DEVIEW

- 13 Write two good things about your presentation, and one thing you could improve in future presentations.
- 14 Which of your classmates' posters was your tovorite.
  Why?

# LITERATURE PROJECT 1

### Tik-Tok of Oz

**PROJECTS** 

- How does a robot work?
- Can a robot think?
- Have you read any stories with robots in?

### READING

 Read part of a story called, TIK-TOK OF OZ by L.Frank Baum. Find the information you need in the text. Write the answers to the questions.



1	Who noticed a lot of trash in the well?
2	What did they pull up from the well?
۷	The state of the s
3	Why are they so excited about what they found?

"There is a lot of trash in this well," said Ruhi He pulled out some objects.

"Help me, I've found something heavy inside the well,"

His friend ran to help him.

They pulled to get the metal object out of the well.

"Wowl" said Ruhi, "What a surprise!"

"What is it?" asked his friend.

Ruhi put the metal object on the ground and turned it over.

They were amazed. It was a copper man.

"Just what I thought," said Ruhi.

"This is the most shocking thing I have ever found!"

2 Draw Tik-Tok in the box and label the picture describing how it's used.

"Oh, here's a sign on his back!" said his friend who sat down to look closer.

They read the words on the back of the copper man:

Double-Action, Thought-Creating, Perfect-Talking MECHANICAL MAN

made with our Special Clockwork Attachment. He Thinks, Speaks, and Does Everything but Live.

"Oh here's more," said his friend and they continued reading,

DIRECTIONS FOR USING:

For THINKING: Wind the Clockwork Man under his left arm. For SPEAKING: Wind the Clockwork Man under his right arm. For WALKING and ACTION: Wind the Clockwork Man in the middle of his back.

This will work perfectly for a thousand years.

3 Read the final part of the story. Read the questions and highlight the information you need in the text. Write the answers to the questions.

*	
5	100

"Hurrah!" Shouted Ruhi happily. He hit Tik-Tok on the back "Let's wind him up," said Ruhi. To wind up the robot, they had to make him stand up, but this was not easy. He fell over again and in a happy way that made the copper man lose his balance again. Ruhi and his friend worked together and after some time and he fell onto the ground. "Pick me up! Pick me up! Pick the robot was balanced and standing up on his feet. me up!" He said until they picked him up and balanced him on his feet. He added politely, "Ma-ny thanks!" Ruhi looked at the copper man carefully. "This must be Tik-Tok, whom I left in the Land of Oz. How did he come to this lonely "He can't help himself until we wind up his action," said place? It is a mystery." Ruhi, so they wound it tight. The key turned very hard and "If we wind him, maybe he will tell us," said Ruhi's friend. then Tik-Tok lifted his feet, walked in a circle, and stopped in front of the friends to bow. "Here's the key on a hook on his back. Which part shall I wind up first?" "I left you safe in Oz. Why were you in that well?" asked Ruhi. "His thoughts, of course," said Ruhi's friend, "because he needs "It's a long story," replied Tik-Tok thought to speak or move." Why did Ruhi want Tik-Tok to talk? They wound him under his left arm and little flashes of light started to show in the top of his head. What is Tik-Tok's phonograph? "Now, then," said Ruhi, "wind up his phonograph." "What's that?" asked his friend. Did Ruhi know Tik-Tok before the event at the well? How do "His talking machine. His thoughts might be interesting, but you know this? they don't tell us anything." So, they wound the copper man under his right arm and Why do you think Tik-Tok was in the well? Discuss in your then the words, "ma-ny thanks," came from inside his group, copper body. Read about Tik Tok again and complete each sentence with the correct phrasal verbs. 1 "To \_\_\_\_\_\_\_ the robot, they had to make him \_\_\_\_\_\_, but this was not easy." 2 "Ruhi \_\_\_\_\_ at the copper man carefully." Ruhl had to ......Tik Tok after he hit him on the back and fell. 5 Think about what Tik Tok can do. Write two more things Tik Tok can do. Tik Tok can think. Match the things Tik Tok can do with the correct directions for each. Think Wind the Clackwork man in the middle of his back. Wind the Clockwork man under his left arm. b Speck Move 3 Wind the Clockwork man under his right arm.

### WRITING

### SPEAKING

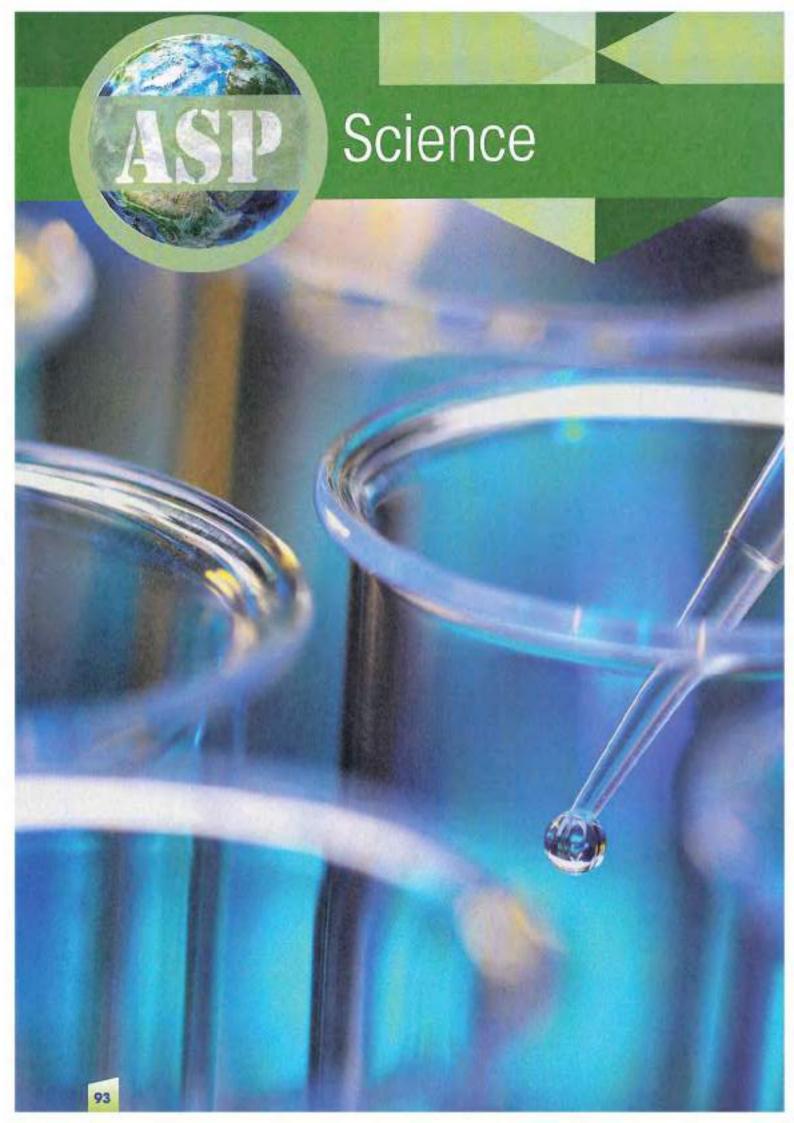
- 8 Plan and create an original poster about how Tik-Tok, the robot, works. Make sure everyone in your group has a role.
- 9 Now present your poster. Remember to include all the information on your poster in your presentation.

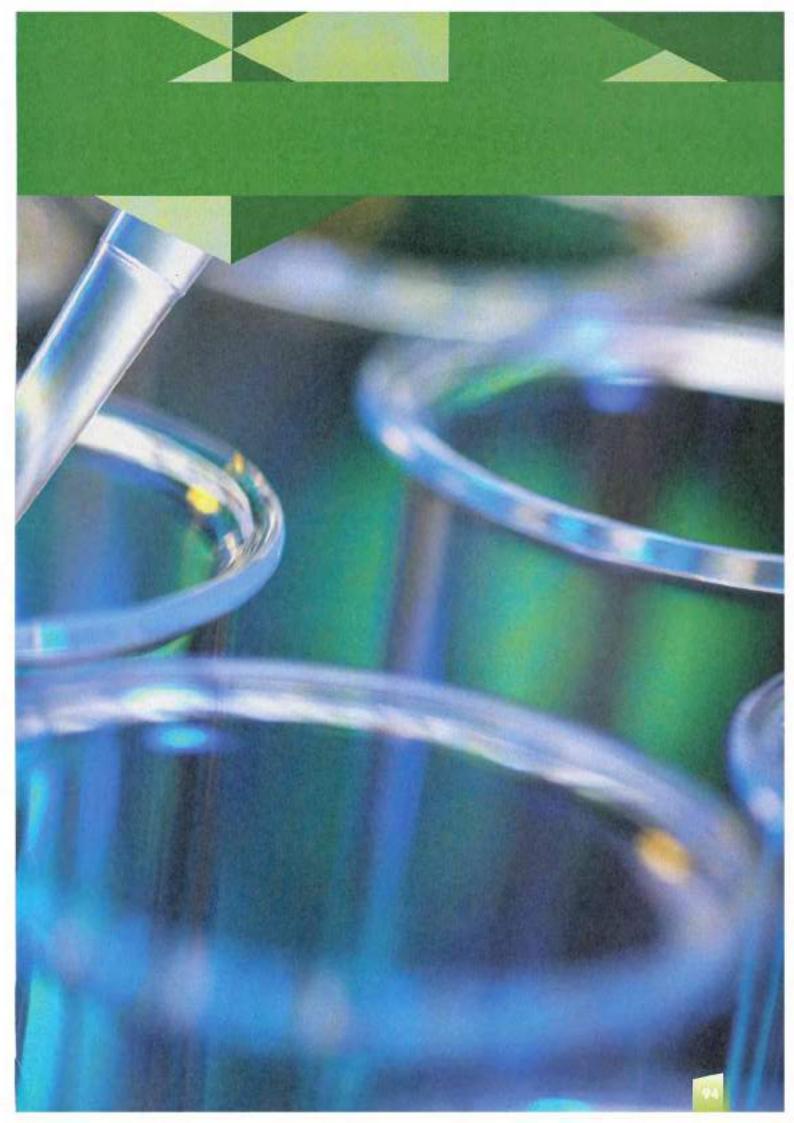
# **Projects**

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# What are Newton's Laws?

- Have you kicked a ball before? What happened?
- What happens when you jump? Why?

### READING

Below are three texts about Newton's Laws of Motion.
 Match each text to one of the pictures.

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### Try this!

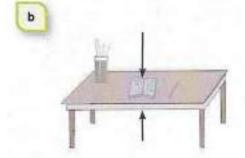
Pick up your pen, drop it onto the table. What happened?

Now stand up, How did you stand up? If you had a bowling ball, would it be more difficult? Why?

- 1 This law has two parts. First, it talks about things that are not moving. It says that those things will not move until something pushes or pulls them. The second part talks about things that are moving. It says that these things will keep moving until something makes them go slower or stops them.
- 2 This law is about how fast things go. It says that if a force is put on something. This will make it go faster. The mass of that thing changes how much faster it will go. A small thing will go faster than a bigger thing when the same force is used.
- 3 This law is about opposite forces. One force is action, the other force is reaction. For every action, there is an equal and opposite reaction. When a book is on a table, it is pushing down. The table is pushing up with the same force so the book stays in the same place.









- 2 Use the texts from Activity 1 to answer the questions. Circle the correct answer.
  - 1 Which of Newton's laws has two parts?
    - a
    - b 2
    - c 3
  - When something is not moving, it will not move until.
    - a it falls.
    - b something pushes or pulls it.
    - c its mass changes.
  - 3 When something is moving, it will not stop until....
    - a it changes direction.
    - b if changes mass.
    - something makes it stop.
  - 4 When the same force is used...
    - a a small thing will move faster than a bigger thing.
    - b it will change mass.
    - bigger things will move faster than smaller things.
  - 5 For every action there is an equal and....
    - a same action.
    - b opposite reaction.
    - different mass.

### Reading Strategy

Look for key words when you are reading for specific information. For example:

In Activity 1, question 1, the words **two parts** are in the text. If you find these words, you will find the answer!



### WRITING

3 Use the boxes to help you explain one of Newton's laws.

Note down what you need to say.

Sketch an example.

### **SPEAKING**

4 Present your explanation and example to the class.



## What is motion?

- · Are we always moving?
- When are you moving the fastest?

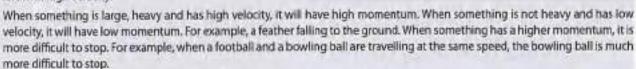
### READING

 Read the text and underline the words that are in the vocabulary box.

### What is motion?

Motion is when something moves. We move a lot during the day. We can move fast or slow. The speed of an object is how fast it is moving. When something is moving fast, it has a high speed. It will travel a long distance in a short time. When something has a low speed, it will travel a shorter distance in the same amount of time.

When the speed and direction of something is known, we can know its velocity. For example, a car is moving left with high velocity.



Imagine you are sitting in a car at a red light. The car is not moving. When the light turns green, the car starts moving. This is called acceleration. When the next light on the road turns red, the car slows down again. This is also acceleration. Any change in speed is acceleration. Acceleration can be fast or slow. For example, a sports car can accelerate faster than a bus.

When something is moving in a circle and is directed at the center of what it is moving around, it is because of centripetal force.

For example, the moon moves around the Earth because of centripetal force.

### 2 Read the text again. Are the sentences True (T) or False (F)? Write T or F.

- Motion is when something is not moving.......
- When the distance is the same, something with a higher speed will get there taster.
- Velocity is speed with no direction.
- 4 Something with high momentum is easy to stop......
- 5 A sports car can accelerate faster than a bus
- 6 Centripetal acceleration is moving in a line......

### Vecabulary

speed - how fast something goes

velocity - the speed and direction of something

distance - how far something is from something else

momentum - the force that makes something continue to move. The bigger and heavier something is, the more momentum it can have.

acceleration - a change in speed

centripetal – a force on something that makes it move in a circular path. The force is directed towards the center the object is moving around. For example, a satellite moving around the Earth.

### Reading Strategy

When reading a text that has a lot of words you don't know it is useful to underline these words. This will help when you need to find their definitions.

It is also useful to underline the main ideas when reading an informative text. This will help you to find the information you need quickly when you need to find it.

### SPEAKING

- 3 In groups, follow the instrctions.
  - In groups of four, one person chooses a word from the vocabulary bax.
     Don't let the others know which word you chose.
  - Describe the word you have chosen without saying the word.
  - · The first person to say the correct word gets a point.
  - Then, the next person chooses a word and has to describe the word in the same way. Continue until all the words have been described. The person with the most points wins.

### Speaking Tip

When saying the word motion remember when words end in -tion, the 't' sounds like 'sh'.

Practice saying the words below:

motion

action

station

location

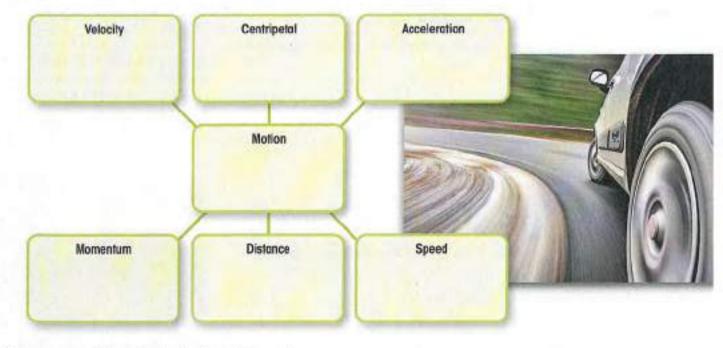
### READING

- 4 Match a phrase to its correct ending to make a full sentence.
  - The ship had too much momentum, so...
  - The distance between Dubai and RAK....
  - 3 Horse number six had the fastest speed...
  - 4 The skydiver's velocity reduced...
  - 5 The centripetal force acting on the satellite...
  - 6 The car is very light with a big engine...

- a so it can accelerate fast.
- b when he pulled the parachute.
- c It crashed into the marina.
- d allows it to travel around the earth.
- e is too far to walk.
- f so it won the race.

### SPEAKING

5 You are going to give a presentation in groups about motion. Discuss motion and add notes to the mind map to help organize your ideas



6 In groups, explain motion to the class. Give examples.

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What are the properties of matter?

- What is weight?
- . Do you think your weight would change if you were on a different planet?

### READING

Scan the texts and circle the vocabulary, from the box.

### Properties of matter

The general properties of matter are mass and volume. This means matter is anything that has mass and takes up space. Matter has physical and chemical properties. Let's take a look at those properties.

The physical properties of a substance can be seen and measured without changing the substance. No new substances are made or lost. So, if you tear a piece of paper, you have made a physical change in the shape of the paper, but you still have paper. No new substance is made by the change.

Examples of physical properties are:

- physical state (solid, liquid or gas)
- mass
- weight

- volume

- density - color

Matter also has chemical properties. Chemical properties are the characteristics that change the substance.

Type of chemical properties:

flammable

- pH

corrosive

- explosive

If you burn a piece of paper, it releases gases and becomes ash. The gases and ash are new substances that were made because of the chemical change. Chemical changes always make new substances.

- 2 Read the text again. Are the sentences True (T) or False (F)? Write T or F. Rewrite the talse statements to make them true.
  - 1 Physical properties of a substance can be seen an measured by changing the substance.
  - 2 When you tear a piece of paper, you make a physical change to it.
  - 3 Matter has mass and volume.
  - 4 No new substances are made from chemical changes.
  - 5 When you burn a piece of paper, you make a physical change to it.

6 Being flammable is a chemical property.

### Vocabulary

mass - the amount of matter

characteristics - special qualities or traits that make something different from something else

substance – a material of a particular kind

explosion – a sudden, loud, and violent release of energy

flammable - something that burns

corrosive - causes damage to material by chemical process

pH - a number between 0 and 14 that indicates if a chemical is an ocid or a base

### Did You Know?

Mass and weight are not the same. Mass is how much matter something has, while weight is how heavy samething is. Unlike mass, weight changes based on gravity. So, on Earth the weight of on object might be one number, but on the moon, it would be much less. Your mass doesn't change even when the amount of gravity does.





### Did You Know?

In both physical and chemical changes, matter often changes. Physical changes are when matter changes from one state to another. For example, water can freeze and become ice.

Chemical changes happen when a substance combines with another substance to make something new. For example, when iron is combined with water and oxygen over a long period of firme, it makes rust. The rust is a new substance. A substance can also decompose, this can make two or more new substances. For example, the electrolysis of water makes oxygen and hydrogen (H) gas.

- 4 Label the changes with a P if they are physical changes, or a C if they are chemical changes.
  - 1 burning paper to make ash and gases ..........

  - 3 tearing paper to make two pieces of paper ...........
  - 4 iron, axygen and water combing to make rust ......

# gaste weight density liquid mass

### SPEAKING

4 Discuss the physical or chemical changes that could happen to the things in the pictures blow.







Can you think of any physical of chemical changes you have seen today? Discuss with your partner.

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# What are temperature, thermal energy, and heat?

- · What is heat?
- What do you do if you are too hot or too cold?

### READING

Read the text, and fill in the blanks with the words from the bax. Use the vocabulary bax to help understand the meanings of these words.

thermal energy . heat . temperature

What is heat? \\_\_\_\_\_ is energy that makes things become warmer, or increase in temperature. It is the flow of \(^2\)...... from something warmer to something coaler,

How are temperature and thermal energy different? Imagine a large pool of water and a small glass of water. If the water in both is at 30 degrees, they both have the same temperature. However, they do not have the same amount of thermal energy. This is because thermal energy comes from the total amount of energy in all the particles of a system. There are more water particles in the pool, so it has more thermal energy. If the water in the pool and glass starts to cool, the water in the glass will cool faster because it has less thermal energy.





### Vocabulary

heat - energy that makes things warmer

thermal energy - energy that comes from the temperature of matter

temperature - a measurement that indicates how hot or cold something is

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2		and the text again. Are the sentences <b>True (T)</b> or <b>False (F)</b> ? Write <b>T</b> or <b>F</b> .  write the false statements to make them true.	 3657	t the words in the correct orde make sentences.
	1	Heat moves from something cooler to something warmer	1	thermal / are / and / same / the / temperature / not / energy
	2	When you touch a hot cup of tea, the heat moves from the tea to your hand		
	3	When you touch a glass of loed tea, the heat moves from the tea to your hand	2	flows / warmer / heat / something / something / cooler / to / from
	4	Heat is the flow of temperature from something warmer to something cooler		
	5	A glass of water has less thermal energy than a pool of water	3	water / pool / the / is / 30 / in / the / is / degrees
	6	A pool of water will cool off slower than a glass of water		
3	Re	read the text and answer the questions.  What is heat?	4	energy / that / warmer / become / is / things / makes / heat
	2	What does heat move from and what does it move to?		
	3	How are temperature and thermal energy different?		
	4	Why does a pool of water have more thermal energy than a glass of water at the same temperature?		

eight minutes.

Hot air balloons rise because when heat is added to the air inside the balloon, the air becomes less dense and therefore lighter than the air around it. In 1783, the first hot air balloon flight took a duck, a rooster and a sheep up in a basket, and flew three kilometers for

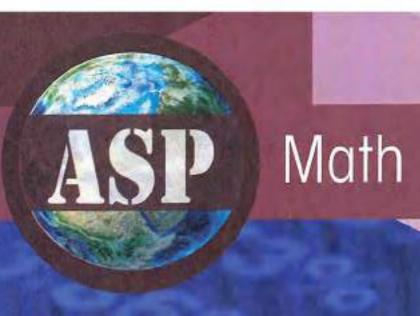
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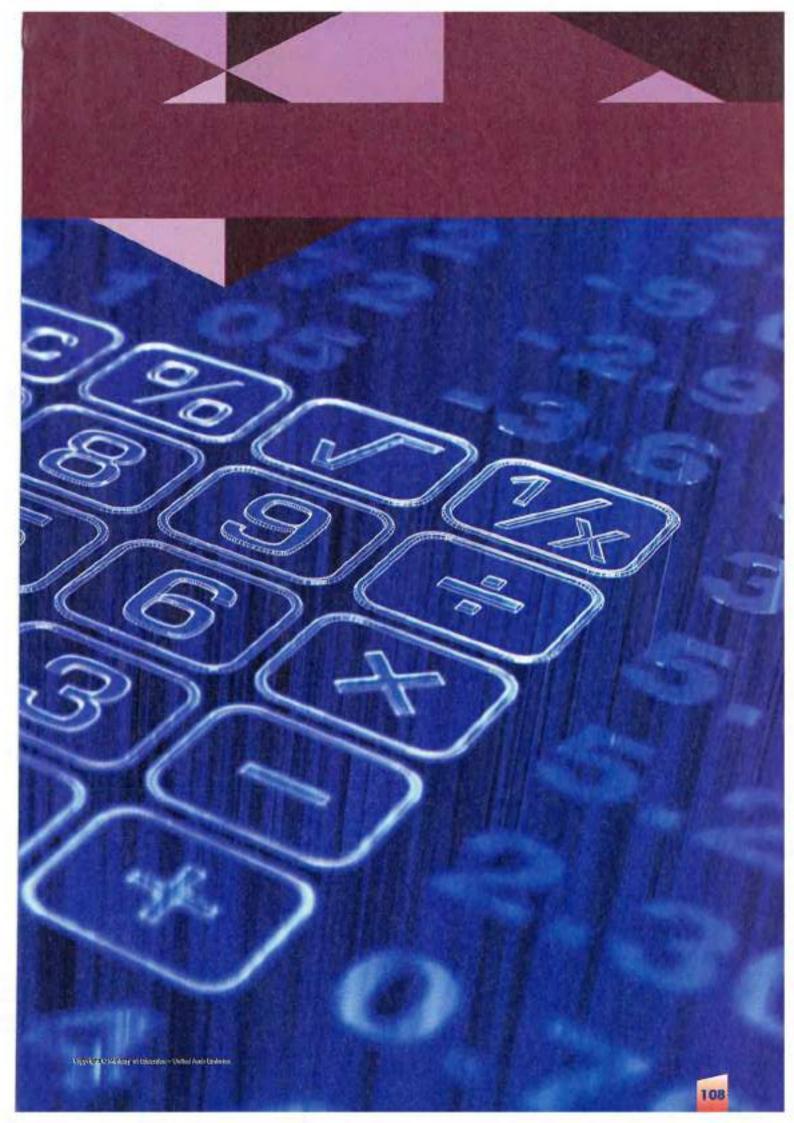
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# What are operations with integers?

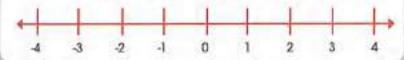
What are the symbols for those?

## READING

1 Read the text about integers. Then answer the questions.

## What is an integer?

An integer is any positive or negative number with no fractional or decimal part. Zero is an integer, too. That's easy, right? Some people think an integer is the same as a whole number, but there is one important difference. Whole numbers cannot be negative, but integers can. Some examples of integers are shown in the number line.



1 What is an integer?

2 What is the difference between an integer and a whole number?

3 Is zero an integer?

4 What are some examples of integers?

2 Read the text and answer the questions.

## Reading strategy

When reading to answer questions, it's often good to read the questions before reading the text. Then you know what you are looking for!



	Positive and Negative Numbers	702	412	ALC: N
	Positive numbers are any number greater than zero. They are usually written with no symbol in front (e.g. 5), but may have a + sign in front to show it is different from a negative number (e.g. +5).	27 -5	-1.5	92.4
		200	100	
	A negative number is any number less than zero. It is written with a negative (-) symbol in front (e.g9). The negative number -1 is greater than the negative number -7 because it is closer to zero.	-102	60	-889
Ī	Inequality Symbols	40.00		44
	<ul> <li><is below,="" equal="" fewer="" greater="" is="" less="" li="" not="" or="" than="" than,="" to<=""> </is></li></ul>	-60 < 40	×	>37
	<ul> <li>≤ is less than or equal to, is at most, is no more than, is a maximum of</li> </ul>	y≥17	12	2>4
	<ul> <li>&gt; is greater than, is more than, is above, exceeds, is not less than or equal to</li> </ul>		y ≠ 5	
	≥ is greater than or equal to, is at least, is no less than, is a minimum of	60 > 40		≥14
	# is not equal to, is not the same as	677.7 (87.	-100.0	EFFE

Circle the negative numbers in the blue bax.

2 Underline the positive numbers in the blue box.

3 What does the symbol ≥ mean?.....

4 What is the largest number in the blue box?

5 What does the symbol > mean?

6 What is the smallest number in the blue box?

7 What does the symbol ≤ mean? ......

8 What does the symbol < mean? ......

3	Write the sentences below as number problems.  Example:						
		egative twelve is greater than negative thirteen.					
	-1	2 > -13					
	1	X is greater than or equal to fifty-seven.					
		Thirty-seven is less than forty-eight.					
	3	Fifteen is not equal to ten.					
	3777						
	4	Eighty is greater than forty-two.					
	****						
	2						
	5	Y is less than or equal to twenty-two.					
	000						
		***************************************					
4		te the sentences below as number problems. Use words in the bax.					
	Exc	Example:					
	Ne	Negative five minus twenty-seven equals negative					
	th	irty-two5 - 27 = -32					
	NOTE: It's negative five, not minus five.						
	(	olus (+) • minus (-) • divided by (+) • multiplied by (x)					
	1	Twenty-two minus fourteen equals eight.					
	506						
	2	Negative forty times two equals negative eighty,					
	*****						
	3	Fifty divided by ten equals five.					
	+0.000						
	****						
	4	Negative seventeen plus fifty equals thirty-three.					

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- Now do the opposite. Write the number problems as word problems.
  - 1 11-3=8
  - $-21 \times 3 = -63$
  - $200 \div 10 = 20$

  - -24 + -31 = -55

## Language Tip

When writing numbers from 21 to 99 in word form, use a hyphen to separate the two words.

Example: 41 = forty-one

# What are operations with rational numbers?

When other types of numbers are there besides whole numbers?

Word	Meening	Example
repeating decimal	A decimal which has a digit or group of digits repeat infinitely.  For example, 0.181818 and 0.8333	
terminating decimal	A decimal which has a final non-zero digit. For example, 5.6, 2.44	
bar notation	A line or bor placed over the digits that repeat in a repeating decimal.  For example, 2.63 represents 2.636363	
rational numbers	The numbers that can be written as a traction in the form $\frac{a}{b}$ , where $a$ and $b$ are both integers, and $b \neq 0$ . For example, $\frac{5}{1}$ , $\frac{4}{3}$ .	
multiplicative inverses	Two numbers whose product is 1. For example, if 5 is the number, its multiplicative inverse is $\frac{1}{5}$ . This is also known as a reciprocal.	
recipiocal	Another term for multiplicative inverse.	
like fractions	Fractions that have the same denominator, For example, $\frac{2}{3}$ .	
unlike fractions	Fractions that have the same denominator. For example, $\frac{2}{3}$ , $\frac{2}{4}$ .	

2	Use the information in the table to answer the
	questions below.

1	What is an example of a bar notation given in the		
	text?		
2	What is another word that means multiplicative		
	inverses?		
3	What kind of fractions have different		
	denominators?		

3	Complete	each sentence	below	with a	vocabulary
	word from	Activity 1.			FS. 2012-1

2	GO GO GO MANIMAN MANIM
	$\cdots \cdots $
2	The number 0.85 has a

3	A	is used
	to show decimals that repeat.	

	1 3	
4	8 cond 5	O/9
-	CELTICAL	Machine Committee Committe



## SPEAKING

4 Practice saying the words in the box. Use the speaking tip to help you. Can you think of any other words containing -tion? Add them to the box.

```
fraction + rational + notation
```

5 Use the words from the box to complete the crossword puzzle.

```
repeating - terminating - bar notation - rational numbers
reciprocal - like fractions - unlike fractions - multiplicative inverses
```

#### Across

- two numbers whose product is 1
- 2 numbers that have decimals with a final non-zero digit

#### Down

- 1 fractions that have different denominators
- 2 a decimal which has a digit or group of digits that repeat indefinitely
- 3 used to show a digit or digits that repeat in a repeating decimal
- 4 the set of numbers that can be written as a fraction in the form <sup>σ</sup><sub>δ</sub>, where a and b are both integers, and b doesn't equal 0
- 5 another term for multiplicative inverse
- 6 fractions that have the same denominator



Speaking Tip

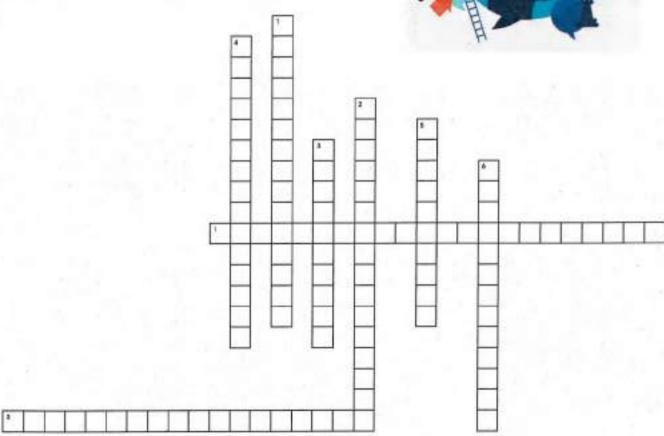
fraction, rational, notation

sound.

For example,

Remember the pronunciation

of -fion. The "becomes a 'sh'



Move you swall sean a model of Dubai? How big was It?

## READING

1 Scan the text for the words in the vocabulary box. Circle them in the text.

Making a scale model city can be a lot of fun, it's a lot more than making little buildings, it takes a lot of careful measuring to make buildings to scale. But what does that mean exactly? Building something to scale means that you must make something smaller and keep its measurement ratios.

For example,

The ratio is 10:1. This means the building is 10 and the scale model is 1 (10 times smaller than the building). Every measurement must be made 10 times smaller to make the scale model. A building with a height of 10 meters will have a scale model height of 1 meter. If the length is 26 meters, the scale model length is 26 meters.

The ratio of a length on a scale model to the matching length on the real object is called the scale factor. If you change one measurement, you must change all the measurements in the same way. A scale model is much smaller, but it's still proportional. If the ratio changes of one part of the model, it becomes non-proportional.

2	Donnel the tout	Then mark t	ne statements w	idh Terro /T	or Enlen (E)	ć.
•	REGIO THE TEXT.	THEFT HIGHER	le siglements w	mai mue (i	) Of Pulse (F)	ı.

When the ration is 10:1, the scale factor is 5

1	When you make something to scale, you only change one measurement.
2	When the relationship between two things changes, it is non- proportional.
3	Making something to scale doesn't require measurements.
	Williams Against the property of the control of the

## Vocabulary

#### ratio

The relationship between the size, number or amount of two things, it is written as arb or a/b. For example, the ratio of students to teachers is 12:1 (12 students and 1 teacher)

#### scale

The ratio of the length in a drawing or model of an object and the length of the real thing. For example, the ratio is 10:1. The building is 10 meters tall, the model is 1 meter tall.

#### scale factor

The number used as a multiplier for the scale. For example, when the ratio is 10:1, the model must be scaled up by a factor of 10 to know to size of the real thing.

#### proportional

When two things are proportional, they change at the same rate so that the relationship between them does not change.

#### non-proportional

Two things that do not have a constant ratio or rate. The relationship between them changes.



3	Complete each sen	tence below with a	vocabulary word	from Activity 1	1.
---	-------------------	--------------------	-----------------	-----------------	----

- When the ratios of two figures are the same, they are
- Making something to ...... means to keep the ratio the
- If two figures do not have the same ratio, they are .....
- We write the as ab or ab.
- Summarize the text from Activity 1 in your own words. Then share your summary with your partner.

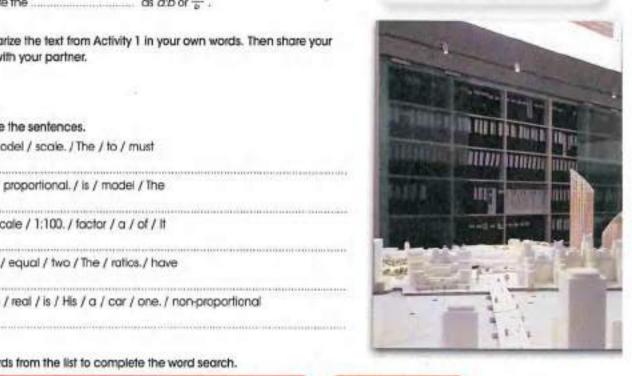
## WRITING

- Unscramble the sentences.
  - be / model / scale. / The / to / must
  - scale / proportional. / is / model / The
  - 3 has / scale / 1:100. / factor / a / of / It
  - figures / equal / two / The / ratios./ have
  - toy / to / real / is / His / a / car / one. / non-proportional
- Use the words from the list to complete the word search.





When putting information into your own words, you can use phrases like: In summary...in other words...That is to say...



SCALE RATIO PROPORTIONAL NON-PROPORTIONAL SCALE FACTOR

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# **AUDIO SCRIPT**

## Grade 7 U

#### Audio Trock 1

Khodija: Good morning Dr. Sara, thank you for joining

us. Today, Dr. Sara will tell us how to keep our

bodies healthy:

Dr. Sara: Thank you for having me on your show Khadija.

Khadija: People say a lot of foods are good for us for

many reasons. Some of those reasons may not be true. For example, people say we should eat

corrots to see better. Is that true?

Dr. Sara: Fruits and vegetables are always good for us

because they have vitamins. We should eat them every day. Corrots have a lot of vitamin A. Vitamin A makes our eyes healthier. So yes,

carrots are good for our eyes.

Khodija: How about spinach? Same people think

spinach makes you stronger? Is that true?

Dr. Sara: Well ... not really. Spinach is good for you

because it has vitamins, but it doesn't help you

make muscle.

Khedija: That's too bad. What about beans? Some say

they are a great way to get muscles. Is that

true?

Dr. Sara: Of course. Beans have a lot of protein. Our

bodies use protein to make muscle.

Khadija: Oh, okay. So beans moke muscle. Are there any

ather foods we should eat?

Dr. Sara: Yes. Garlic is very good for you. It does many

things for our badies. For example, garlic helps

us not get sick.

Khadija: That's good to know. Correts, spinach, beans

and garlic are foods we can eat to make our bodies healthy. Everybody should eat these foods! Is there anything else we should do for

good health?

Dr. Sara: Of course. Eating good food is one big part of

being healthy, but exercise is also important. We should do more exercise to make our bodies healthy and strong. There are plenty of

other things that people can do to slay healthy.

Khodija: Hmmm, interesting...

#### Audio Trock 2

Use Fast Health on Wheels now! We are the newest healthy food delivery service in the UAEI Eating a healthy diet isn't always easy but our delivery service will help you. First, you should always start the day with a healthy breaklast. It ellows you to have enough energy during the day. We have delicious options. Our quick delivery service will provide tasty lunch and

dinner options also. These meals are great because they have the correct amount of proteins and carbs to help you have a balanced diet. Our meals all have food from every food group including, fresh fish and chicken with a lot of protein, brown rice with healthy carbs, and tresh vegetable and truit salads. You shouldn't eat loads with a lot of fats because you will be unhealthy and become over weight. Our meals include vegetables and fresh truits to give your body the vitamins it needs to be healthy and strong. You should also drink plenty of water and other low fat drinks. Our choices of food are low in fat, high in vitamins and very healthy. So, get healthy fast in a convenient way now. We have millions of happy customers all around the UAE and you should join them. Ask yourself, 'why shouldn't 1?" Our quick delivery service will go directly to your doorstep. Use Fast Health on Wheels today!

#### Audio Truck 3

On today's cooking show I want to talk about something important. Food waste. The food that we throw away every day.

The world wastes a lot of load. Did you know that people around the world waste about 40% of all food? Why is this a problem? Because we have to make more and more food. It means there is more trash and more plastic... both food and plastic waste. Where does this waste go? And think about the people in the world who don? have load...

#### Audio Trock 4

So haw can we waste less food?

We should try to use all ingredients when we cook. Don't throw things away! We can always use them. Choose food carefully. Don't eat too much and don't order too much food at restaurants. Eat all your food. When you eat fruit, like apples or bananas, out it into small pieces. This makes it easier to eat. Finally, think about plastic waste. We shouldn't throw away plastic bottles. Use them again, or recycle them.

## Addio Trook 5

In this documentary, you will learn about robotics. What makes a robat? What can robots do?

Robofics is an exciting and growing field of engineering. In the future, robots will be doing more things that used to be done by humans. In the future, robots could build things for us, drive our cors, even be our doctors! The United Arab Emirates will use more and more robots, and will be one of the leaders in

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building new and helpful robots.

A robot is very similar to the human body. We need different parts to live and move. So do robots. There are five robot parts that are very important.

The control system is the part of the robot that tells the other parts what to do. It is similar to the human brain. It thinks and reacts to things. Without the control system, the robot would not do anything on its own.

The power supply gives power to the robot, which it uses to move its parts. Without a power supply, the robot cannot move. It works in the same way as a human heart.

The frame holds up the robot parts. If the robot did not have a frame, the rest of its parts would fall to the ground. The frame works in the same way as our skeleton.

The tool is the hand at the end of the arm. The robot uses this to pick up and move things. They can also be tools like a knife or a laser. The robot would not be able to do move anything without its tools.

Sensors are the cameras and microphones that lets robots see and hear the world around them. They are its eyes and ears. Without sensors, the robot would not know what is happening around it.

The robot needs each of these parts to work and move. When building robots, engineers always include these parts in their design.

#### Audio Track &

Message 1: Hello? My cleaning robot isn't working! It is

breaking everything. It keeps dropping things it is holding. It can't pick anything up. What's

wrong with it? Please help!

Message 2: Hi Mister Robot Mechanic, Maybe you can help me? My robot's arm isn't working. It can't move

its arm up or down. It can't help me paint my

house. What should I do?

Message 3: Hey, maybe you can help? My robat isn?

turning on. I press the "on" button but the lights are dark and the mators don't start. Who will

move my boxes?

Message 4: Good morning! I'm very angry with my robot! It

keeps stepping on my flowers and hilling the wall in the garden. It can't see where it is gaing.

My garden is a mess! Please fix ill

#### Audio Treck 7

"One Wish"

By Vahid Ellis

Long ago ...

There was once a small and poor village,

that was not and very dry.

The people that lived there wished for one thing

That would hopefully get friem by.

At night, they would look at the starry skies,

and wish for that one thing that would help them survive.

Then one day the clouds began to roll,

the wind began to whistle and sing.

Drip.

Drop.

came down the rain.

It was all a wonderful thing.

Finally, they were happy.

Their wish had come true.

They could now live in peace

Under skies of cool blue.

## unit S

#### Audio Truck B

Radio presenter: Hello, We've talked to Emirali teenagers and

asked them the reasons why they are learning a second language. Let's hear what they had to

sayt

Saeed: Hi, my name is Saeed. Umm, my reason for

learning a second language? Well, my family has a cheese-making business in France. My father communicates with many French people every day. The reason I'm learning French is because I want to continue the family business.

Au revoir!

Zayed: Hello, I'm Zayed. You want to know why I'm

learning German? My dream is to become an engineer. Germany has some of the best engineering universities. This is the reason why

Fm learning German. I really want to study in Germany. Auf Wiedersehen!

Alia: Hi there, I am Alia from Kalba, I'm learning

English because I am very friendly and I like meeting new people. I want to visit many foreign countries. Many people around the world speak English as a second language. So it I want to communicate with many different people. I need to learn English! Goodbye!

Jamile: Hi, my name is Jamila. I am studying to be

a translator, I want to translate Chinese and Arabic, There are many Chinese tourists and businesspeople that visit the UAE every day, Bader:

so I Think translating Arabic and Chinese is very important for our country, Zăijiân!

Hey there, I'm Bader and I'm learning Spanish. You want to know the reason? Because it is a challenge! Many people say learning a second language is difficult, but for me it is a hobby. I spend an hour or two every day learning and practicing my Spanish. I think it's fun! And learning a second language makes you smarter! Adds!

#### Audio Track 9

Make the UAE your next travel destination! You will have an amazing vacation! There are many places to go and things to see. All the Emirates have wanderful things to offer. From Abu Dhabi to Dubai, Sharjoh, Umm al-Qaiwain, Ajman, Fujairah and Ras Al Khalmah, the UAE is truly a special place! Each of these places have both traditional and modern things to see and da!

Dubai is an amazing place to visit! With a population of around 2.9 million people, it is the most populated Emirale, in 2016, Dubai had over 14 million visitors and in 2017, it rose to around 16 million. You can go to the Dubai Mall, the world's biggest shapping mall with 1,200 shops. There are also many restaurants to chaose from You can see the tallest building in the world, the Burj Khalifa. This sturning building opened in 2010 and is 2,722 feet tall. While there you can watch the beautiful water fountain show!

In Ras Al Khaimah, you can climb the highest mountain in the UAE, Jebel Jais, which is 1,910 meters tall, it is great for mountain climbing and mountain biking. It also has great wews! If you like dates you can visit one of the top date farms in the UAE. They have 18 different types of dates there! Also in Ras Al Khaimah, there are over 62 kilometers of while sandy beaches, with clear blue water, where you can do watersports.

In 2015, Sharjah was named the Tourism Capital of the UAE. It is the 3rd largest Emirate and the 3rd most populated with 1.4 million people. To see the beautiful history and learn traditional things, you can go to the Sharjah Art Museum and the Sharjah Museum of Islamic Civilization.

There are many other places you can visit in the other Emirates as well, like in Abu Dhabi, you can go to the beautiful Sheikh Zayed Grand Mosque and have fun at Ferrari World! Ajman, Fujairah and Umm Al Quwain also have many great places to see! Travel to the UAE and explore this beautiful destination!

#### May 10

### Audio Treek 15

When you look all nature, do you see shapes? At first, it might seem like mountains, trees and rocks don't have any real shape. If you look at a tree, do you see a square? If you look at water, do you see a circle? It doesn't seem like things in nature really have any clear shape.

But if you look closer, you might be surprised. There are shapes everywhere if you know where to look. You see, there are patterns in nature.

A pattern is something that repeats over and over. If you put the some shapes together, they form a pattern. Look at the floor in your classroom. Are there tiles? That's a pattern of squares. All those squares repeat and form a pattern.

You can find patterns in nature. If you look at the Arabian leopard, its fur has spots, The spots are in the shape of circles. All the spot circles on its fur make a pattern. We call a pattern of circles a circular pattern.

Some animals also make patterns. Think of a spider making a web. The web makes a pattern. If you look at honeycombs, you will see that bees make each honeycomb in the shope of a hexagon. Honeycombs together make a hexagonal pattern.

People build things in patterns too, if you look at the shell of a snall, you see a spiral pattern. Naw, look at the picture of the stoircase. This is called a spiral staircase. It follows the same spiral pattern. Engineers, artists and architects have always copied patterns when making things. It it works in nature, it works for us!

### Audio Truck 11

spiral
triangle
triangular
hexagon
hexagonal
circle
circular

### Audio Truck 12

Welcome to the New Museum of Islamic Art. We have many beautiful examples of different types of Islamic art. These come from many different places.

First, we have a fine example of calligraphy. If you look at the picture to my right, you can see a photo of the ceiling of the Sultan Ahmed Mosque, also known as the Blue masque, in Istanbul, Turkey. If was built between 1609 and 1616. The letters are pointed in gold on a beautiful blue background. Many were pointed by the famous calligrapher Seyyld Kasim Gubari. The Blue masque also has beautiful mosaics of flowers and plants.

Next, we have a picture of a staircase in the Jame'Asr Hassanil Balkiah Mosque in Bandar Seri Begawan, Brunei. It was built in 1994. The ceiling has wonderful carved stars. The outside of the stars are in gold. It looks great on the all-white ceiling.

Finally, if you look to the left, we have a wonderful picture of some mosaics from Bibl-Khanym Mosque in Samarkand, Uzbekistan. It was built in 1404. The entrance to the mosque has beautiful blue and gold mosaics showing different geometric patterns. The dome of the mosque is also covered in dark blue tiles.

## Acknowledgements

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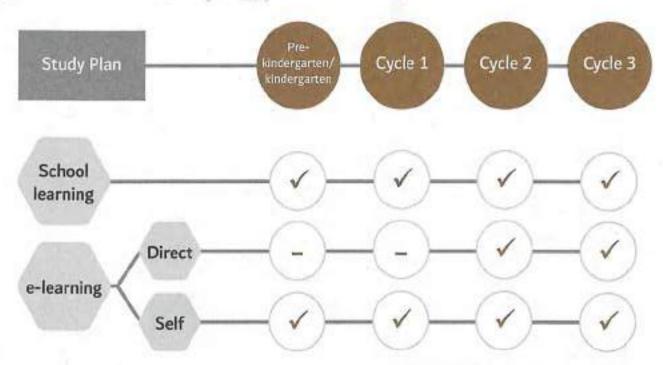
# Student Notes

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## Hybrid education in the Emirati school

Within the strategic dimension of the development plans in the Ministry of Education, and its endeavor to diversify education channels and overcome all the challenges that may prevent it, and to ensure continuity in all circumstances, the Ministry has implemented a hybrid education plan for all students at all levels of education.

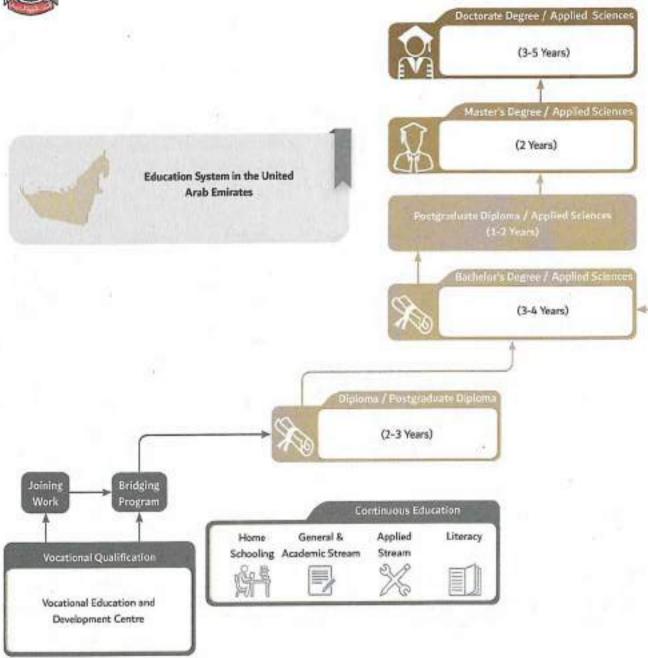


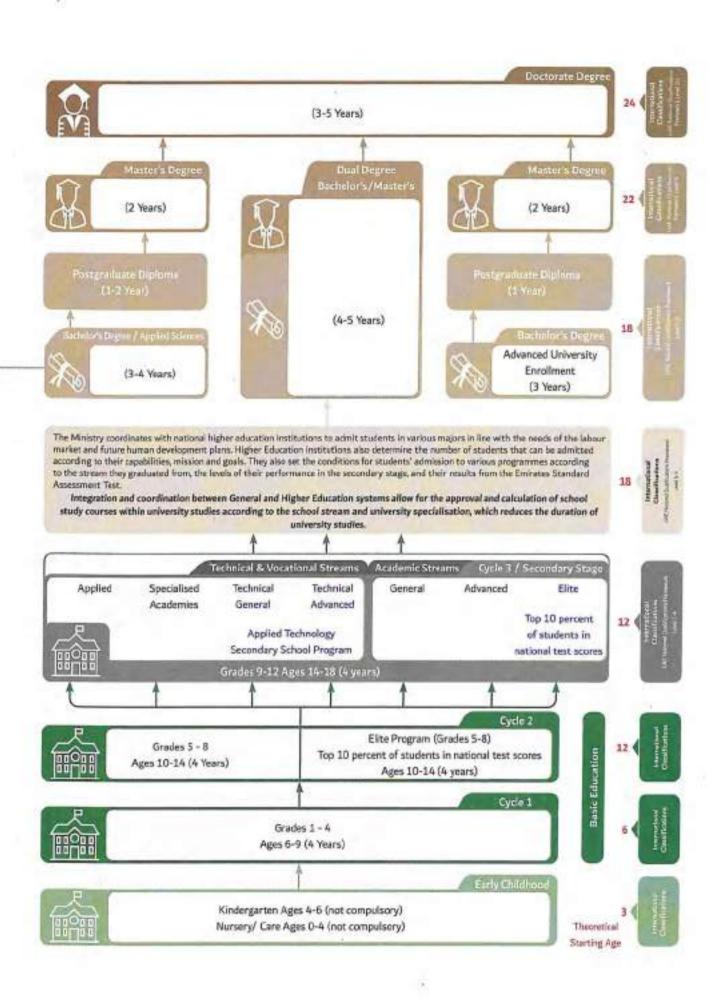
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