



## Unit 7 Ideas & Thoughts

First -Study the new words of the unit and know their meanings:

Word	Meaning	Word	meaning	Word	Meaning
hug	يحتضن	courage	شجاعة	weightlifting	رفع الأثقال
mud	طين	destructively	مدمر	communication	تواصل
lovingly	بحب	rejoice	يبتهج	share	يشارك
mighty	قوي	sacrifice	يضحى	exchange	يتبادل
forcefully	بالقوة	council	مجلس	carve	ينقش
head for	يتوجه الى	excited	مستمتع	health	صحة
advisor	مستشار	book	يحجز	imitate	يقلد
plea	توسل او رجاء	keen	متحمس	feeling	يشعر / مشاعر
Whip / improve	يثور / يحسن	gymnasium	صالة الألعاب	memory	ذاكرة

### Lesson (1 and 2) : the people who hugged the trees.

Why do people read stories?

**They read stories to learn their morals.**

Are trees important to us? Explain.

**Yes they are. Trees give us shade and food.**

**It also provides us with fresh air.**



What does an advisor do?

**He gives advice to people.**

### Lesson (3 and 4) : Making plans.

☞ Where is Al-Khiran resort?

**It's in southern Kuwait.**

☞ Why do people go to Al-Khiran resort?

**They go there to enjoy water sports and relax.**

☞ What do people usually do in the gymnasium?

**They play sports and practise weight lifting.**

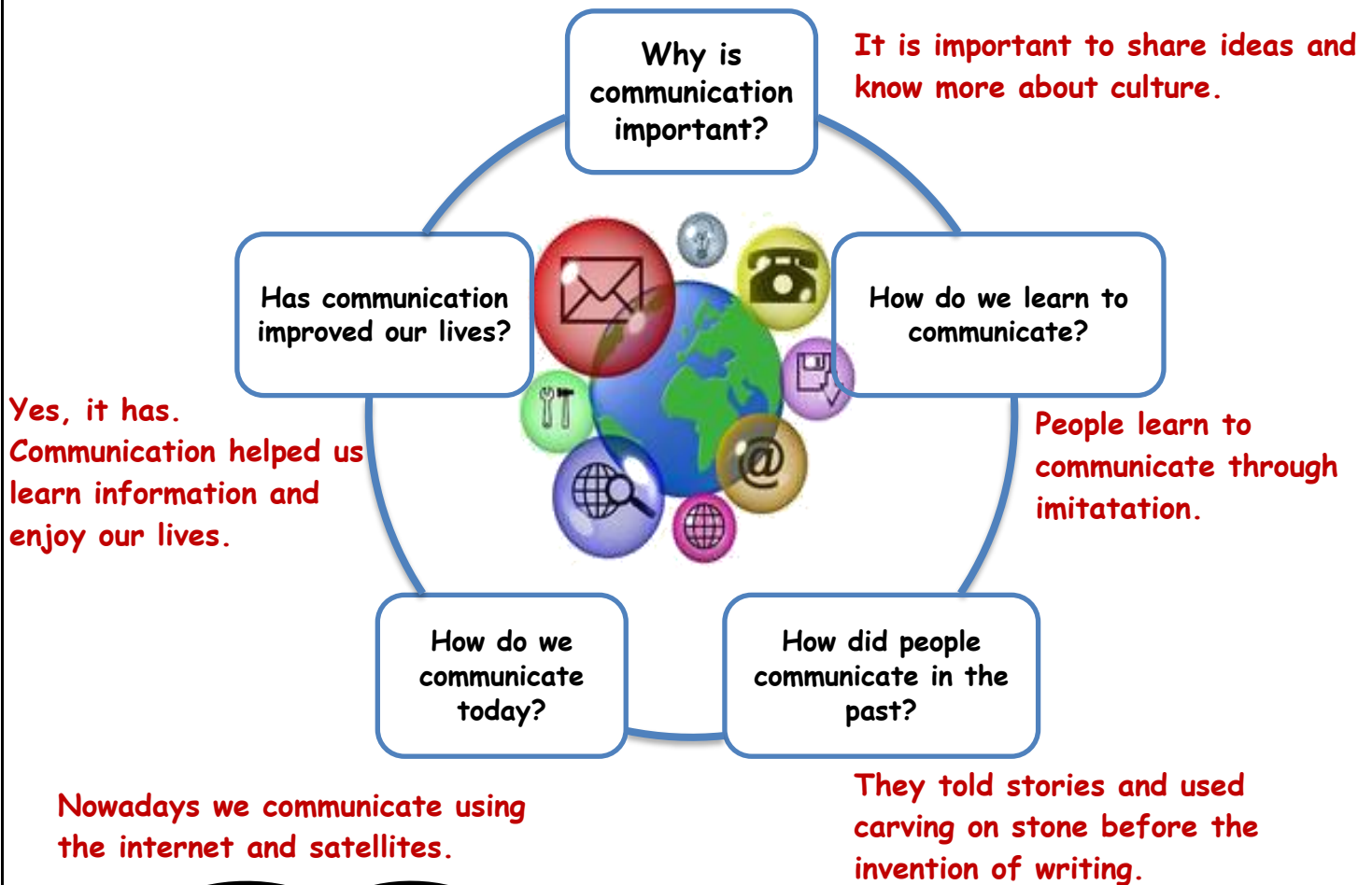




What are you doing this afternoon?  
I'm writing an e-mail to my friend.

Why do people make plans?  
Because it helps them to be organized.

### Lesson (5 and 6) : Let's talk.



What are the disadvantages of the internet?

Not all the information on the internet is true.. Kids have health problems because they spend a lot of time surfing the net.



Instagram: @ dandash74  
Dalal Al-Mutairi



## Unit 8 Messages

First -Study the new words of the unit and know their meanings:

Word	Meaning	Word	meaning	Word	Meaning
giant	عمالق او ضخمة	ancestor	من الاسلاف	tap	ينقر او يقرع
link	يربط	method	طريقة	neuron	خلية عصبية
store	يخزن	capture	يحتل او يصطاد	tissue	نسيج
distribute	يوزع	bonfire	شعلة نار	skull	جمجمة
pass	ينقل	messenger	مراسل	fluid	سائل
complex	معقد	flag	علم	cerebrum	المخ
satellite	قمر صناعي	telegraph	التلغراف	brain stem	جذع الدماغ
cable	سلك كهربائي	post	البريد	cerebellum	المخيخ
powerful	قوي	globally	عالميا		

### Lesson (1 and 2) : How the internet works.

Computers are linked together with a network called the **"INTERNET"**  
The internet is a complex process but it is easy to use.

What are the two types of computers?  
There are the servers and clients.

What do the servers computers do?  
The servers store and distribute information.

How are networks in different countries linked?  
They are linked by satellites and large cables

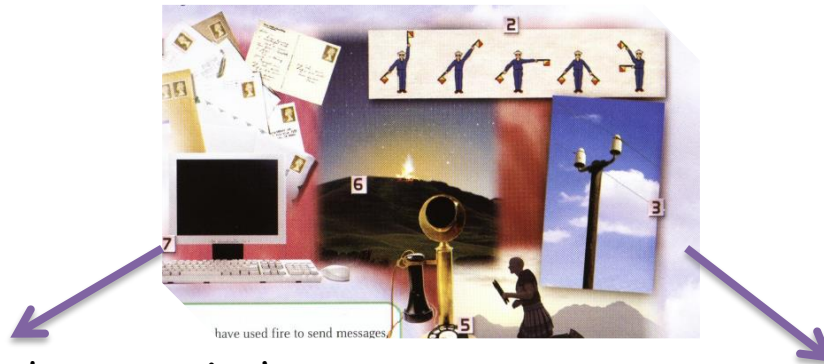


e-mails are sent using the servers and satellites. It is fast and easy to use.



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### Lesson (3 and 4) : Getting your message across.



How did people send messages in the past?

☺ They used fire, flags and messengers. They also used the post and the telegraph.

How do people send messages nowadays?

☺ They use mobile phones and the internet to send messages.



In the past, our ancestors sent messages to ask for help and send news. It was difficult and took a long time. Nowadays we send messages for fun and to keep in touch. Messages are fast and easy to send.

### Lesson (5 and 6) : Brain Power:

What are the three parts of the brain?

They are : 1. the cerebrum:

( It helps you to think, remember things, Solve problems and play games. )

2. the cerebellum:

( It keeps your balance. )

3. the brain stem:

( It controls actions that happen without you Thinking like breathing.)



How is your brain protected from injury?

It is protected with a hard skull, fluid and thick tissue.





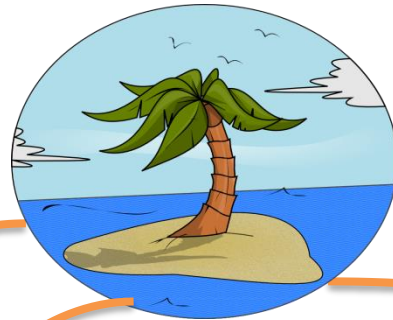
## Unit 9 The environment

First -Study the new words of the unit and know their meanings:

Word	Meaning	Word	meaning	Word	Meaning
tropical	استوائي	amazing	مذهل	shellfish	محار
erupt	يثور البركان	navigate	يوجه	seaweed	اعشاب البحر
cut down	يقطع	magnetic	مغناطيسي	tiny	صغير جدا
sail	يبحر	breed	يتكاثر	pressure	ضغط
destroy	يدمر	landmark	علامة أرضية	grassland	اراضي عشبية
native	طبيعي	tern	طائر ماني	vast	شاسع
extinct	ينقرض	lifetime	مدى الحياه	apart	منفصل عن
migrate	يهاجر	ecology	علم البيئة		
enormous	ضخم	ecosystem	نظام بيئي		

### Lesson (1 and 2) : Island Life.

There are many islands all over the world like: Bahrain, Madagascar and Australia ( which is a continent )



**What is an island?**

**It's a piece of land surrounded by water.**

**How does life change on islands with time?**

**Life is changed because of volcanoes, birds and also people.**

**What can we usually see in an island?**

**We usually see tropical forests, deserts, rivers and mountains.**

**Some islands disappeared and new islands were born because of volcanic eruptions.**

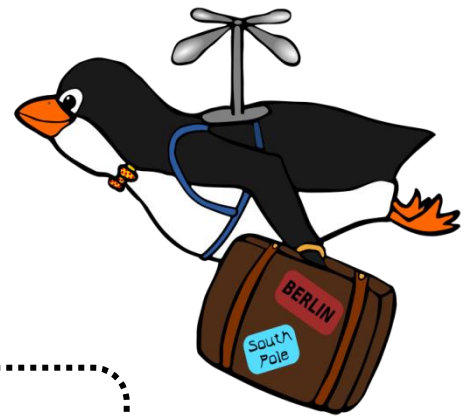
**Like ( Surtsey ).**



### Lesson (3 and 4) : Migration:

Why do animals migrate?

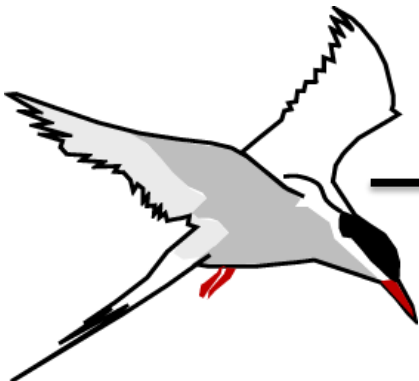
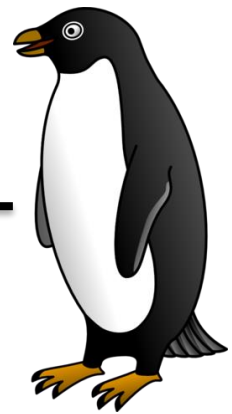
Animals migrate in search for food, warmth and to breed.



How do these animals navigate their migration?

They navigate by following the sun, moon and the stars. They also use magnetic fields and landmarks.

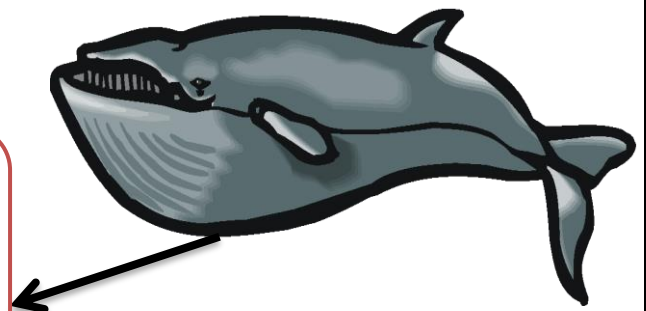
1- Penguins are the only birds which migrate by swimming to breed.



2- The Arctic Terns migrate for warmth and to have their young.



3- Grey whales make the longest migration. They migrate to cold water for food and to warmer waters to have their young.



## Lesson (5 and 6) : The study of ecology.

There are six main kinds of ecosystems : ice, seawater, freshwater, desert, forest and grassland.

### Our Study of Ecology

by Abdelrahman and Hamad  
Two Amazing Ecosystems

#### Ocean Depths

1. Why is the floor of the ocean so cold?

☺ Because the sunlight cannot reach that deep.

2. What do animals in deep waters feed on?

☺ They feed on seaweed, dead fish and plants.



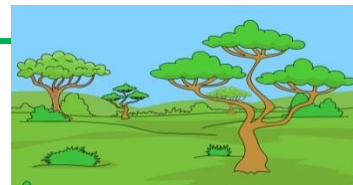
#### Grasslands

1. Where are the largest grasslands in the world?

☺ The largest grasslands are in Africa.

2. What do animals in the grasslands eat?

☺ They eat soft grass, hard grass or they eat other animals.



**Good Luck!**

**HOD: Dalal Al-Mutairi**



## Unit 10 Explorations

First -Study the new words of the unit and know their meanings:

Word	Meaning	Word	meaning	Word	Meaning
notice	يلاحظ	entertain	يسلي	Turn off	يطفى
Pass by	يمر بجانب	prove	يثبت	reuse	يعيد الاستخدام
wander	يتجول	voyage	رحلة	urban	مدني
accidentally	بالصدفة	fiction	خيالي	rainwater	مياه الامطار
suffer	يعاني	manuscript	مخطوطة	charity	صدقة او احسان
bruise	كدمة	Steer	يقود	adopt	يتبنى
Cry out	ينادي او يصرخ	crew	طاقم	directly	مباشرة
stare	يحدق	rudder	دفة السفينة	rare	نادر

### Lesson (1 and 2) : the proud astronomer.

What does an astronomer do?

He studies the stars, the sun and the moon.

Which equipment does an astronomer use?

He uses the telescope.



What should you do if you see someone in trouble?

I should help him or call someone to help.

### Lesson (3 and 4) : The Sindbad Voyage.

Who was Sindbad?

He was a famous Arab sailor and adventurer.

Where did he sail?

He sailed to new strange places around the world.

How did Sindbad sail around the world?

He sailed using his dhow.







How did people travel by sea in the past?

They travelled using ships and dhows.

Who wrote the book of "The Sindbad Voyage"?

Tim Severin wrote the book.

Name some parts of an old dhow?

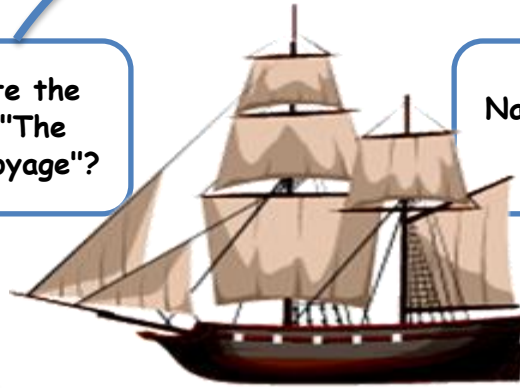
Some parts are: rudder, sails and mast.

What do sailors use to steer a ship?

Sailors use the rudder to steer the ship.

How did sailors navigate their voyages in the past?

They navigated using the stars and Ibn Majid's books.



### Lesson (5 and 6) : Reduce, Reuse and recycle.



Why do people recycle things?  
They recycle to keep the environment cleaner.

How can we help to reduce energy use?  
We can reduce it by turning off the lights when leaving the room.



What things do people recycle?  
People recycle glass, plastics & paper.

How can we help the world?  
They can recycle, give charity and grow more trees.



## Unit 11 Inventions

First -Study the new words of the unit and know their meanings:

Word	Meaning	Word	meaning	Word	Meaning
Wind-up	يعمل باللف	rainbow	قوس قزح	expect	يتوقع
Swimming pool	حوض سباحة	edge	حافة	peel	يفشر
illness	مرض	Fall off	يسقط	outdoor	في الخارج
expensive	غالي	progress	تطور	Burn down	يحرق
simply	ببساطة	Break up	يتكسر	fictional	خيالي
handle	مسكة	infrared	تحت الحمراء	light bulb	مصباح كهربائي
invent	يخترع	refraction	انكسار الضوء		
experiment	تجربة	inventor	مخترع		

### Lesson (1 and 2) : The wind up radio.



Who is Trevor Baylis?

He is an English inventor who invented the wind-up radio.



Why is the wind-up radio special?

It works without electricity or batteries.

How does the wind-up radio work?

It works with a handle.

Why did Trevor Baylis invent this radio?

Because he wanted to help poor people in Africa with no electricity.

**Inventors work hard but they don't succeed fast, so they shouldn't give up.**

### Lesson (3 and 4) : Making a rainbow.

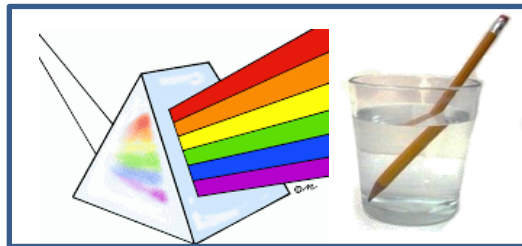
1. What do you need to make a rainbow?

☺ I need sunlight, glass of water and paper.



2. When can we usually see a rainbow?

☺ We usually see a rainbow after it rains.



What is refraction?

☺ When white light goes through water and breaks into many colours.



Why can some animals such as snakes see in the dark?

☺ Because they can see the infrared light.

### Lesson (5 and 6) : Inventors who changed the world:

1. Who was Thomas Edison?

☺ He was a famous inventor and engineer.

2. What did Thomas Edison invent?

☺ He invented the cinema and the first music player. He also improved the light bulb and the telephone.

3. Where did Thomas Edison make his inventions?

☺ He made his inventions in his laboratory.

4. Which word did Edison invent?

☺ He invented the word "Hello".

Instagram: @ dandash74

Dalal Al-Mutairi





## Unit 12 Creativity

First -Study the new words of the unit and know their meanings:

Word	Meaning	Word	meaning	Word	Meaning
creativity	إبداع	breathe	يتنفس	vaccine	تطعيم
creative	مبدع	chew	يمضغ	cope	يتأقلم
evolution	تطور	taste	يتذوق	sticky	ملتصق
dramatic	درامي	damage	يدمر	dissolve	يتحلل / يذوب
combine	يدمج	boil	يغلي	Take off	ينطلق
involve	يتضمن	explode	ينفجر	immune	محصن
approach	طريقة	speed	سرعة	tape	شريط لاصق
Slow down	يبطئ	Turn round	يلف		
Take away	يستبعد	accidental	مصادفة		

### Lesson (1 and 2) : Being creative.

People try to be creative so they can solve problems in their lives.



What does "creativity" mean?  
It means the ability to invent or imagine something new.

Mention some ways of being creative.  
They are: the evolution of ideas, putting ideas together and changing approach.

Give an example for the following:

- 1- Putting ideas together: Combining the computer and the network to have the internet.
- 2- Changing approach: Solving traffic problems using road marks and signs.

How did creativity change surgical operations?  
Doctors do the operation using a tube and a camera without cutting.



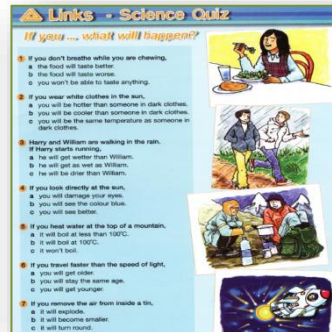
**Lesson (3 and 4): Science Quiz:**

What do we need to taste food?

We need air to taste food.

If we remove the air, the tin will become smaller.

What will happen if you remove the air from inside the tin?



Why do people wear white or light clothes in summer?

Because it reflects the sunlight and keeps people cooler.

What will happen if you look directly into the sun?

I will damage my eyes if I look directly into the sun.

**Lesson (5 and 6) : Seeing the possibilities.****Vaccine**

Who was Louis Pasteur?

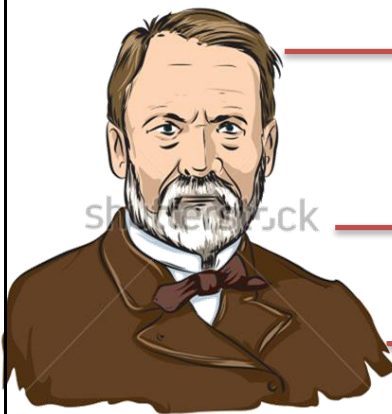
☺ Louis Pasteur was a great scientist who created vaccines.

What did he want to prove?

☺ He wanted to prove that diseases are caused by bacteria.

What does a vaccine do?

☺ A vaccine helps our body to be immune to diseases.



What are the yellow stickies used for?

☺ They are used for writing notes.

**End of the Second Term**

Instagram: @ dandash74  
Dalal Al-Mutairi