



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 الاثقال |
| 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 الالعب | 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.



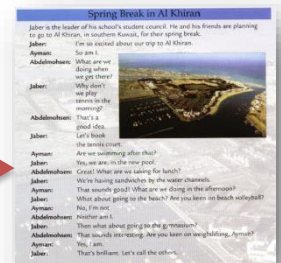
What does an advisor do?
He gives advice to people.

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.

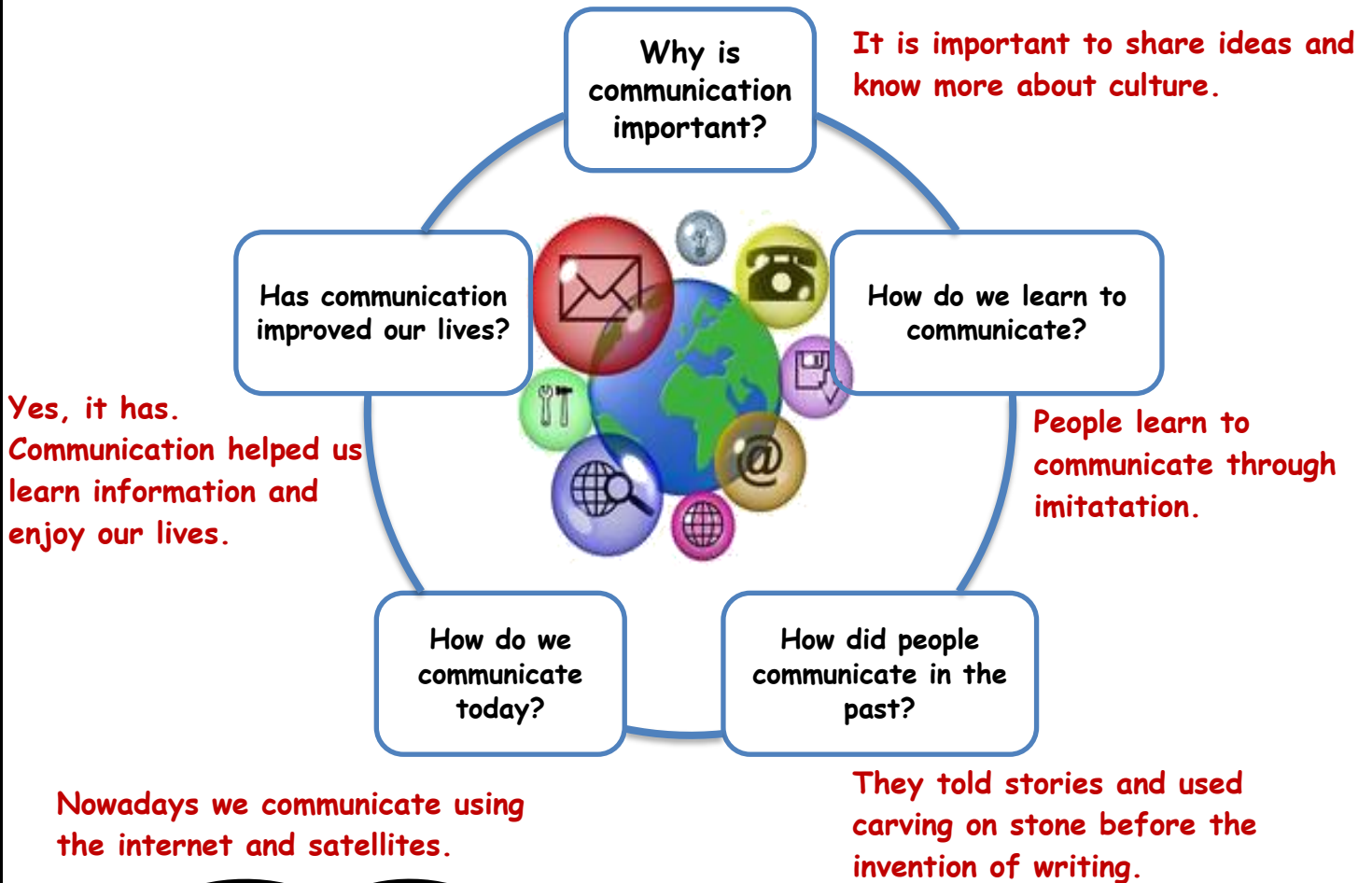




What are you doing this afternoon?
I'm writing an e-mail to my friend.

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.





**Unit 8
Messages**

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

| Word | Meaning | Word | meaning | Word | Meaning |
|------------|--------------|-----------|---------------|------------|--------------|
| giant | عملاق او ضخم | 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.

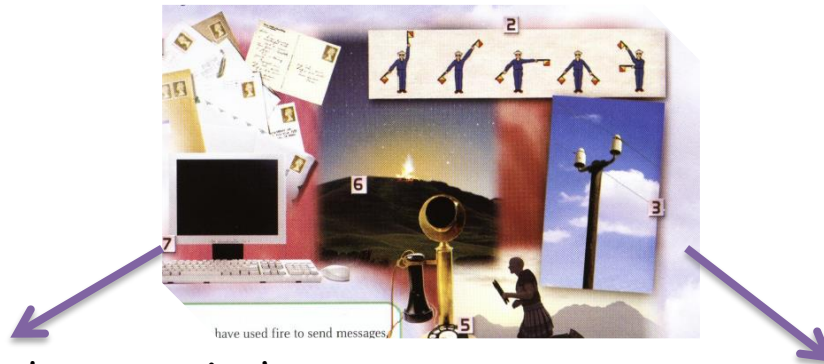
How are networks in different countries linked?
They are linked by satellites and large cables



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



Lesson (3 and 4) : Getting your messages across.

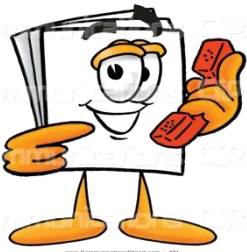


How did people send messages in the past?

☺ 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.





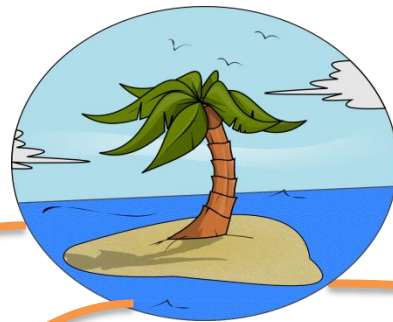
Unit 9 The environment

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.

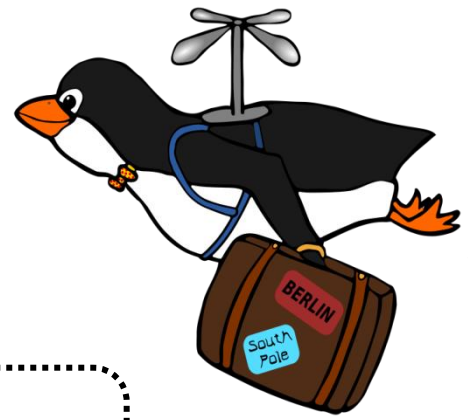
Some islands disappeared and new islands were born because of volcanic eruptions.

Like (Surtsey).

Lesson (3 and 4) : Migration:

Why do animals migrate?

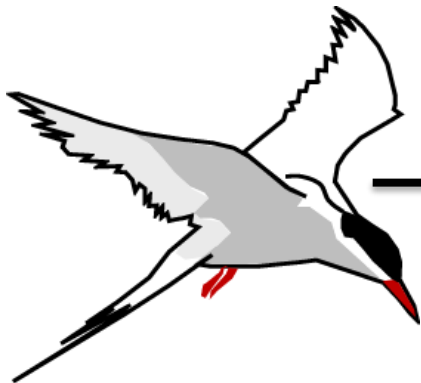
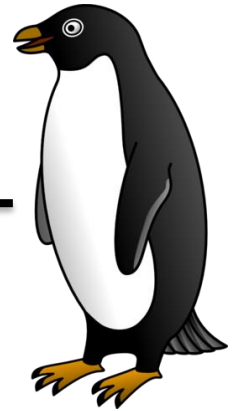
Animals migrate in search for food, warmth and to breed.



How do these animals navigate their migration?

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

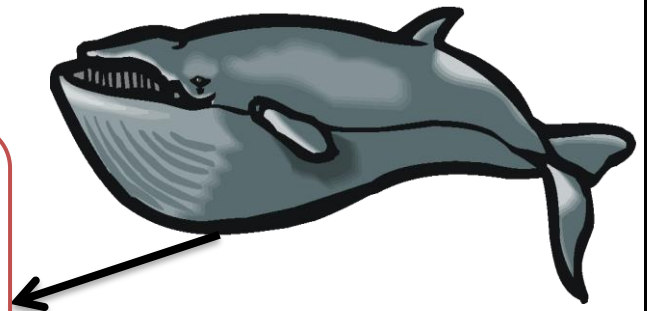
1- Penguins are the only birds which migrate by swimming to breed.



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 |

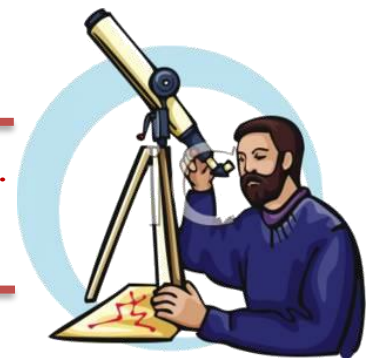
Lesson (1 and 2) : the proud astronomer.

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.

1 Who was Sindbad?

He was a famous Arab sailor and adventurer.

2 Where did he sail?

He sailed to new strange places around the world.

3 How did Sindbad sail around the world?

He sailed using his 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.

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

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

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.

Why did Trevor Baylis invent this radio?

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

How does the wind-up radio work?

It works with a handle.

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

Lesson (3 and 4) : Making a rainbow.

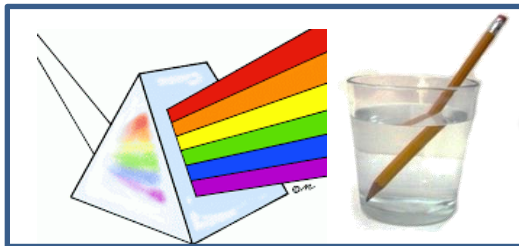
1. What do you need to make a rainbow?

☺ 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".



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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 | يتألم |
| 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:

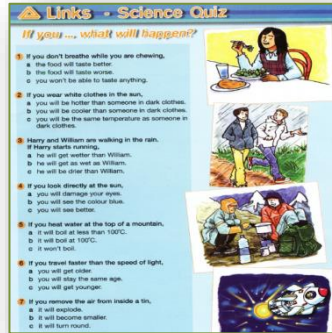


What do we need to taste food?

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.



Who was Louis Pasteur?

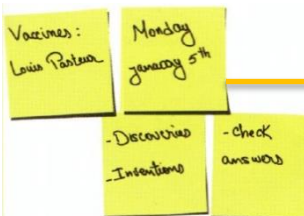
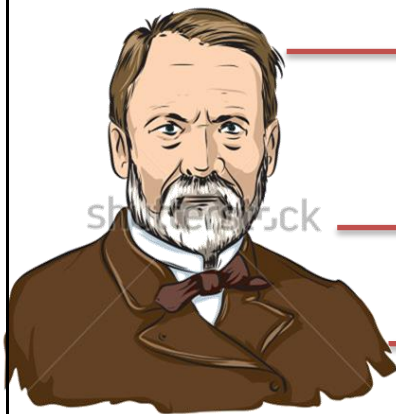
☺ Louis Pasteur was a great scientist who created vaccines.

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