Unit One

The History of Computers

When you are using a computer, think about the technology that is needed for **it** to work. People have been using types of computers for thousands of years. A metal machine was found on the seabed in Greece that was more than 2,000 years old. It is believed that **this** was the first ever computer. In the 1940s, technology had develop enough for inventors to make the first generation of modern computers. One such model was so large that **it** needed a room that was 167 square metres to accommodate **it**. During that decade, scientists in England developed the first computer program. **It took 25 minutes to complete one calculation.** In 1958 CE, the computer chip was developed.

-**It was in ---------- that the first ever computer was found.**
 a)England   b) Greece   c) Germany   d) the USA
-**The underlined word (it) in the text refers to a ------------.**
 a) metal machine   b) technology   c) seabed   d) computer

 -**Inventors were able to produce the first generation of modern computers because of the …………**
   a)adequate development of technology
   b)development of the first computer program
   c) invention of the World Wide Web
   d)invention of the computer chip
-**The noun which means (a small piece inside a computer) in the text is a---------------.**
   a)computer program   b) computer chip   c) model   d) calculation
-**The underlined sentence in the text (It took 25 minutes to complete one calculation) indicates that the first generation of modern computers was ------------------**
   a)huge   b) light   c) fast   d) slow
-**The two disadvantages of the first generation of modern computers are ----------------**
   a) expensive and small   b) large and heavy   c) light and slow d) large and slow

The first computer game was produced in 1962 CE, followed **two years later(1964)** by the computer mouse. In 1971 CE, the floppy disk was invented, which meant that information could be shared between computers. The first PC (personal computer) was produced in 1974 CE, so people could buy computers to use at home. In 1983 CE, people could buy a laptop for the first time. Then, in 1990 CE, the British scientist Tim Berners-Lee developed the World Wide Web. It was not until 2007 CE that the first smartphones appeared. Today, most people use **their** mobile phones every day.

-**The first computer game and mouse were produced between ----------**
   a)1962 and 1971   b) 1962 and 1974   c) 1964 and 1971   d) 1962 and 1964
-**The noun which means (a flexible , removable magnetic disk) in the text is a----------**
 a) computer game   b) computer mouse   c) floppy disk   d) personal computer

- **The system that the British scientist Tim Berners-Lee developed is the ----------------**

 a) computer mouse   b) floppy disk c) world wide web   d) first smartphones
 -**The purpose of inventing the floppy disk was to -------------**
 a) research information   b) share information between computers
 d) show photos in front of the class   d) to send information to anyone you want

-The underlined word (their) in the text refers to the ------------.
a) smartphones   b) mobile phones   c) scientist   d) most people

-The word which means (**mobile phones with a advanced computing technology**) in the text is -------------
a) smartphones   b) mobile phones   d) laptop   d)world wide web

What will happen in the future? You (**the reader**) can already buy watches **which** can do the same as mobile phones. Scientists have also developed glasses **that** are capable of doing even more than this. Life in the future is going to see further changes in computer technology. It is likely that all aspects of everyday life will rely on a computer program, from how we travel to how our homes are heated.

-The two aspects of everyday life that will depend on technology in the future are ---
a) how we travel and how our homes are heated
b) how we develop glasses and how we travel
c) how we wear our watches and how our glasses are developed
d) how our homes are heated and how our watches are developed .

-The underlined word (that) in the text refers to ------------.
e) watches   b) mobile phones   c) glasses   d) scientists

Using technology in class

Young people love learning, but **they** like learning even more if **they** are presented with information in an interesting and challenging way. Today, **I** (**the speaker**) am going to give a talk about how you can use technology in Jordanian classrooms. Many classrooms now use a whiteboard as a computer screen. As a consequence, teachers can show websites on the board in front of the class. Teachers can then use the Internet to show educational programmes, play educational games, music, recordings of languages, and so on. In some countries, tablet computers are available for students to use in class. Therefore ,students can use the tablets to do tasks such as showing photographs, researching information, recording interviews and creating diagrams. Tablets are ideal for pair and group work.

-The touchscreen computer program that enables teachers to use the *Internet* in classrooms is a ……………. .
a) whiteboard   b) tablet computer   c) website   d) board

-The form of entertainment that students can enjoy when using the Internet in classrooms is ---------------
a)creating diagrams   b) listening to music
c)recording interviews   d) researching information

-The two types of work that tablet computers are suitable for are ----------------.
a) showing photographs, researching information
b) pair and group work .
c) group work and computers
d) recording interviews and creating diagrams

-The technological device that can be used to record interviews with people is a--------

a) blog   b) whiteboard   c) tablet computer   d) board

Teachers can perhaps ask **their** students to start writing a blog (an online diary), either about their own lives or as if **they** were someone famous. **They** can also **create a website** for the classroom. Students can contribute to the website, so for example **they** can post work, photos and messages. Most young people communicate through social media, by **which** they send each other photos and messages via the Internet. Some students like to send messages that are under 140 letters for anyone to read. Teachers can ask students to summarize information about what **they** have learnt in class in the same way. If students learn to summarize quickly, they will be able to use this skill in future. We all like to send emails, don't we? Email exchanges are very useful in the classroom. Teachers can ask students to email what **they** have learnt to students of a similar age at another school. **They** could even email students in another country. As a result, students can then share information and help each other with tasks

-The thing that students can use to write an online diary is a ----------------------.
a) blog   b) website   c) whiteboard   d) tablet computer

-The underlined word (their) in the text refers to ------------.
a) students   b) lives   c) diary   d) teachers

-The word which means (to put a message on the Internet) in the text is ------------.
a)contribute   b)share   c)create   d) post

-The underlined phrase (create a website) in the text means that students can--
 a) construct a website that currently exists
 b) offer their writing and work to the website
 c) construct a website that currently doesn't exist
 d) post their work , photos and messages

-The skill that students will be able to use in future if they learn to perform it quickly is -----------.
a)sending messages   b) taking photos   c) reading   d) summarization

-The way of communicating that can help students share information and help each other with tasks is ----------------.
a)social media   b) computers that have cameras   c) tablet computers   d) email exchanges

-The underlined word (they) in the text refers to ------------.
a)emails   b) teachers   c) school   d) students

The noun which means " a series of emails between two or more people " in the text is ------------.
a) email exchanges   b) social media   c) guest speakers   d)sharing ideas.

The underlined word (which) in the text refers to ------------.
a) young people   b) social media   c) messages   d) photos

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Another way of communicating with other schools is through talking to people over the computer. Most computers have cameras, so you can also see the people you are talking to. In this way, students **who** are studying English in Jordan can see what students in England are doing in the classroom while **they** are speaking to **them**. You can also use this system to invite guest speakers to give talks over a computer. For example, scientists and teachers from another country could give a lesson to the class. If you had this type of lesson, the students would be very excited. Students often use computers at home if **they** have **them**. Students can use social media on their computers to help **them** with their studies, including asking other students to check and compare their work, asking questions and sharing ideas. The teacher must be part of the group, too, **to monitor what is happening.**

-The underlined word (they) in the text refers to ------------.
a)students in Jordan   b) people   c)cameras   d) students in England
-The system that can be used to invite guest speakers to give a lesson to the class is ---
a)email exchanges   b) social media
c)computers which have cameras   d)computers which have filters
-The underlined phrase (to monitor what is happening) in the text means that the teacher …………..
a)knows what is happening   b) doesn't know what is happening
c)isn't following the developments   d)wants to discover what is happening
-What does the underlined (them) pronoun refer to ?
a) studies   b) computers   c)students   d)ideas

The Internet of Things

What is the 'Internet of Things'?

Everyone knows that the Internet connects people, but now **it** does more than that – **it** connects objects, too. These days, computers often communicate with each other; for example, your TV automatically downloads your favourite TV show, or your 'sat nav' system tells you where you are. This is known as the 'Internet of Things', and there is a lot more to come.

-The "Internet of Things" means -----------------.

a)the connections between different people

b) the connections between different computers

c) the connections between different sat nav systems

d) the connections between different televisions

-The two examples which show that computers often communicate with each other are -------------- .

a)people and objects
b)computers and people
c) television downloads and sat nav
d)objects and computers

-The system which used in cars and tells you how to get to a place is the ------------

a) television   b) sat nav   c) watch   d) computer

An easy life!

In just a few years' time, experts say that billions of machines will be connected to each other and to the Internet. As a consequence, computers will increasingly run our lives for us. For example, your fridge will know when you need more milk and add **it** to your online shopping list; your windows will close if it is likely to rain; your watch will record your heart rate and email your doctor; and your sofa will tell you when you need to stand up and get some exercise.

-The object that will help people to keep fit is the -------------------
a) sofa   b) fridge   c)window   d) watch

-The underlined word (it) in the text refers to-------------.
a)fridge   b) the internet   c) milk   d) computers

-The object that may save people who suffer from heart problems is the ---------------
a)watch   b) window   c) sofa   d) fridge

A frightening future:

Many people are excited about the 'Internet of Things'. For **them**, a dream is coming true. They say that our lives will be easier and more comfortable. However, **others** are not so sure. **They want to keep control of their own lives and their own things**. In addition, they wonder what would happen if criminals managed to access their passwords and security settings. The dream could easily become a nightmare.

-Some people are excited about the "Internet of Things" because -----------------.
a)they want to keep control of their own lives
b)their lives will be easier and more comfortable .
c)they want to keep control of their own things
d)they are sure that the dream is coming true

-The underlined sentence (*They want to keep control of their own lives and their own things*) indicates that -------------.
a) some people are worried about the "Internet of Things"
b) many people are so enthusiastic about the "Internet of Things"
c) many people will increasingly rely on the "Internet of Things
d) many people dream of an easy life

-The underlined word (others) in the text refers to--------------.
a) people who are so enthusiastic about the future
b) people who have a dream
c) other people with a different opinion
d) other people with a similar opinion

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Choose the suitable item from those given in the box to complete each of the following sentences.

floppy disk ,   world wide web ,   rely ,   calculation

1. The first generation of modern computers took 25 minutes to complete one **calculation**
2. It is likely that all aspects of everyday life will **rely** on a computer program.
3. People use the **world wide web** to search for information by moving from one document to another.
4. Information can be shared between computers by the **floppy disk**

email exchanges   , blog , post , whiteboard , social , tablet computer

1. Marwan enjoys using the **tablet computer** because it is small, light and portable.
2. Teachers should encourage their students to start writing a **blog** about their own lives.
3. It is believed that **email exchanges** are very useful in the classroom.
4. Most teachers in our school use a **whiteboard** as a computer screen.
5. Students can use **social** media on their computers to help them with their studies.
6. If you want to contribute to the classroom's website, you can **post** work, photos and messages.

SB and WB exercises

decade, laptop , mouse , invented , programs

1. Modern computers can run a lot of **programs** at the same time.
2. You can move around the computer screen using a **mouse**.
3. A period of ten years is a **decade**.
4. A **laptop** doesn't need a keyboard.
5. The television was first **invented** by John Logie Baird.

calculations, laptop, smartphones , programs ,models

1. Although they are pocket –sized, **smartphones** are powerful computes as well as phones.
2. My brother is learning how to write computer **programs**
3. I need to make a few **calculations** before I decide how much to spend..
4. Mobile phones used to be huge. Early **models** were as big as bricks.
5. I can close the lid of my **laptop** and then put it in my bag.

access , identity fraud , security settings , privacy settings , filters

1. Many computers have **filters** which stop people using certain websites
2. Do you have a good way to stop other people **access** my information?
3. Most sites have **privacy settings** so that only certain people can look at your site.
4. Strangers usually want to find out information about people for **identity fraud**
5. If strangers can find enough information about you, they can access your **security settings**