

## 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 developed 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.

The first computer game was produced in 1962 CE, followed two years later 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.

What will happen in the future? You 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.

1. Many inventions were completed between 1958CE-1974CE. Write down two of these inventions.

العديد من الاختراعات أنجزت ما بين عام 1958 - 1974. اكتب اثنين منها.

2. The text provides two disadvantages of the first generation of computers. Write down these two disadvantages.

يقدم النص سلبيتين للجيل الأول من الحواسيب. اكتبهما.

3. Different inventions were produced between 1983CE-2007CE. Write down two of these inventions.

العديد من الاختراعات أنجزت ما بين 1983 - 2007. اكتب اثنين منها.

4. Quote the sentence which shows the place where the first computer was found.

اكتب الجملة التي تبين المكان الذي وجد فيه أول حاسوب.

5. The text provides two aspects of everyday life that will depend on technology in the future. Write down these two aspects.

يقدم النص جانبين من نواحي الحياة اليومية التي ستعتمد على التكنولوجيا في المستقبل. اذكرهما.



## 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 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.

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.

1. The speaker sates two benefits of using whiteboards in classrooms. Write down these two benefits.

ذكر المتحدث فائدتين لاستخدام اللوح الرقمي داخل الغرف الصفية. اذكر اثنتين من تلك الفوائد.

2. Teachers can use the Internet in classrooms to do various tasks. Write down two of these tasks.

يستخدم المعلمون الانترنت داخل الغرف الصفية للقيام بمهام عدة. اذكر اثنتين من تلك المهام.

3. The text provides different technological devices that can be used in classrooms. Write down two of these technological devices.

يعرض النص أجهزة تكنولوجية مختلفة يمكن استخدامها في الغرفة الصفية. اذكر اثنين من تلك الأجهزة

4. Tablet computers enable student to do many tasks in class. Write down two of these tasks.

تمكن أجهزة الكمبيوتر اللوحية الطلاب القيام بمهام عدة في الغرفة الصفية . اذكر اثنتين من تلك المهام

5. Tablet computers are ideal for two types of work .Write down these two types.

أجهزة الكمبيوتر اللوحية مثالية لأداء نوعين من العمل . اذكرهما.

6. Students can post many things on the classroom's website. Write down two of these things.

يستطيع الطلاب نشر العديد من الأشياء على موقع الصف . اذكر اثنتين من تلك الأشياء.

7. Quote the sentence which tells you what the talk is going to be about.

8. Quote the sentence which shows that tablet computers are not used in all countries.

9. Quote the sentence which shows that a large number of young people use social media to communicate with each other.

10. Find a word in the text which means "**personal website or web page**".

11. Find a word in the text which means "**to put a message or document on the Internet so that other people can see it**".

12. Find a word in the text which means "**social interaction on website or blogs**".

13. What do the underlined pronouns refer to?

14. Email exchanges are very useful in the classroom . Write down two benefits of email exchanges from the article.

تبادل الرسائل عبر البريد الإلكتروني مفيد جدا داخل الصفوف الدراسية. اكتب فائدتين لتبادل البريد الإلكتروني من النص.

15. Creating a website for the class room is an interesting and challenging idea. Suggest three expected things that make a good website.

إنشاء موقع على شبكة الانترنت خاص بالصف فكرة رائعة . اقترح ثلاثة أشياء تساعد على عمل موقع جيد.

16. Internet safety is very important . Think of this statement ,and in two sentences write down your point of view.

امن الانترنت مهم جدا . فكر ومن ثم اكتب وجهة نظرك.

1- a. teachers can show websites on the board in front of the class.

b. teachers can use the Internet to show educational programmes, play educational games, music, recordings of languages, and so on.

2- a. playing educational games

b. showing educational programmes

3- a. whiteboards

b. tablet computers

4- a. showing photographs

b. researching information

5- a. pair work

b. group work



## 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.

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!

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

1. The "*Internet of Things*" connects between different objects . Give two examples from the article to show that.  
يربط انترنت الأشياء بين حواسيب مختلفة . اكتب مثالين على ذلك من المقال.
2. Some people are worried about the "*Internet of Things*" for two reasons. Write them down.  
بعض الناس قلقين فيما يتعلق بانترنت الأشياء لسببين. اكتب هاذين السببين.
3. Some people are exited about the "*Internet of Things*" for two reasons. Write these two reasons down.  
بعض الناس متحمسين لفكرة انترنت الأشياء لسببين. اكتب هاذين السببين.
4. Quote the sentence which shows that the Internet does not only connect people ,but also objects.
5. As a consequence of the "*Internet of things*" , computers will increasingly run our lives for us. Write don two examples from the article.  
نتيجة لانترنت الأشياء فان الحواسيب ستدير حياتنا . اكتب مثالين من المقال على ذلك.
6. Quote the sentence which shows that a large number of people are enthusiastic to the "*Internet of Things*".  
اكتب الجملة التي تبين بان عدد كبير من الناس متحمسين لفكرة انترنت الأشياء.
7. Find a word in the text which means, "**A dream arousing feelings of intense fear**".

8. Find a word in the text which means, "a system of computers and satellites , used in cars and other places tells you where something is or how to get to a place".
9. Find a word in the text which means, "speak to".

يقول الخبراء بان التكنولوجيا تستطيع المحافظة على لياقة البشر . اكتب ثلاثة أمثلة تبين كيفية تستطيع التكنولوجيا المحافظة على لياقة البشر.

10. What does the underlined pronoun refer to?

11. Some people believe that the "Internet of Things" will make their lives easier and more comfortable. Think of this statement and in two sentences write down your point of view.

يعتقد بعض الأشخاص بان انترنت الأشياء سيجعل حياتهم مريحة وأكثر سهولة . فكر في هذه الجملة ومن ثم اكتب رأيك.

12- Internet safety is important. Suggest three possible ways that can stop other people accessing your information.

امن الانترنت مهم , اقترح ثلاثة طرق تحول دون وصول الآخرين إلى معلوماتك.  
الإجابة النموذجية

1- a. your TV automatically downloads your favourite TV show .

b. your 'sat nav' system tells you where you are .

2- a. they want to keep control of their own lives and their own things.

b. they wonder what would happen if criminals managed to access their passwords and security settings.

3- a . their lives will be easier b. their lives will be more comfortable.

4- Everyone knows that the Internet connects people, but now **it** does more than that – **it** connects objects, too.

5- a. your fridge will know when you need more milk and add it to your online shopping list .

b. your windows will close if it is likely to rain.

6- Many people are excited about the 'Internet of Things'.

7- a nightmare      8- sat nav system      9- communicate

10- internet , milk , many people, other people with a different opinion

11- I agree with this statement because the internet of things will enable them to save time , money and effort.

12- a. connecting only to people you know      b. using a password      c. turning off your computer when you finish      c. not giving out your personal information.