بسم الله الرحمن الرحيم

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Action Pack 12

Units 1- 4

ملخص القطع ـ ٢٠١٩

الدورة الشتوية

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The History of computers

When you are using a computer, think about the technology that is needed for **it (the computer)** 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.

1. **The first ever computer in the world**   = A metal machine.
2. How old was the first ever computer in the world ?   = 2000 years old
3. Where was it found ?   = On the seabed in Greece.
4. How old have people been using computers ?   = For thousands of years

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In the **1940s, (40 – 49)** 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 meters to accommodate it. During that decade, **(40 – 49)** scientists in England developed **(the first computer program.)** It took 25 minutes to complete one calculation. **(slow)** In 1958 CE, the computer ship was developed.

1. Mention two inventions in 1940s .
    a. **The first generation of modern computers** : disadvantage = large : evidence = it needed a room ……
    b. **The first computer program**   : disadvantage = slow : evidence = it took 25………. …..

2. **In 1958** = a computer chip

The first computer game was produced in 1962CE, 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 1974CE, so people could by computers to use at home.

1. **Mention two inventions in 1960s .**
   - 1962 = The first computer game
   - 1964 = The computer mouse

2. **Mention two inventions in 1970s .**

    - 1971 : the floppy disk : aim / goal / purpose = information could be shared between computers

    - 1974 : The first PC .   (reason …………,so …………..result)

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 Smartphone appeared. Today most people used their mobile phones every day.

1. **In 1983 CE, = a laptop / In 1990 CE, = the World Wide Web. / In 2007 CE , = the first Smartphone**

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.

1. **Two modern inventions :**
    a. watches
    b. glasses

What is the difference between watches and glasses ?
Watches can do the same as mobile phones / glasses can do more than mobile phones .)

Life 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. **Two aspects will rely on a computer program in the future =**
    1. how we travel
    2. how our homes are heated

Vocabulary

(programs - invented - developed - models - laptop - tablet - mouse - decade - generation)

1. Modern computers can run a lot of ------------------ at the same time .
2. You can move around the computer screen using a ------------------- .
3. From 1990 CE to 2000 CE was a -------------------- .
4. A ----------------------- doesn't need a keyboard.
5. The television was first --------------------- by John Logie Baird .

1. programs 2. mouse 3. decade 4. tablet 5. Invented

(smartphone - laptop - model - program - calculation)

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

1. smartphone - program - calculation -   model - laptop

(blog - email exchange - social media -   tablet computer - whiteboard)

1. Record interviews with people.   ----------------------
2. Share information with students in another country.   ----------------------
3. Watch educational programs in class.   ----------------------
4. Ask another student to check your homework.   ----------------------
5. Write an online diary.   ----------------------

1. tablet computer 2. email exchange 3. whiteboard 4. social media 5. Blog

Key Word	Meaning in English	Arabic
Access	To find information, especially on a computer	دخول – الوصول الى
Calculation	When you use Maths to work out an answer.	حساب
computer chip	A very small piece that found inside every computer	رقاقة كمبيوتر
floppy disk	A small square piece of plastic that was used to store information from computers	قرص مرن
PC	A computer designed for one person to use	كمبيوتر شخصي
Program	A set of instructions enabling a computer to function	برنامج
rely on	To have trust or confidence in something or someone	يعتمد على
Smartphone	A mobile phone that connects to the internet	هاتف ذكي
World Wide Web	2. All the information shared by computers through the internet	شبكة الانترنت العالمية