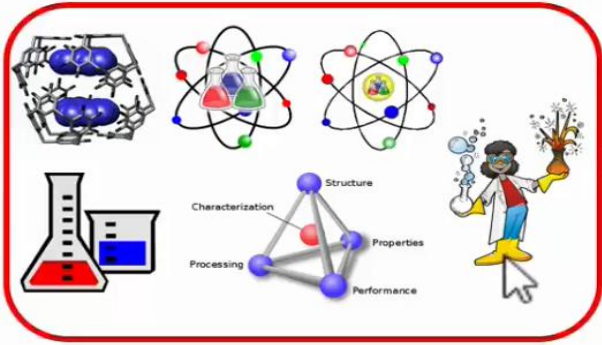# What is the difference between science and technology?

Science refers to the systematic study of structure and behavior of the physical and natural world through observation, investigation, research and experiment.

Technology can be described as the application of scientific findings to invent or develop new materials, machines.

Here are some words related to science and technology. Classify them in the chart below

General Knowledge   Process   Internet   Communication   Research   Observation   Computing

Natural phenomena   Mathematics   Physics   Investigation   Experiment   Hypothesize   Virtual reality

Astronomy   Invent   Chemistry   Robotics   Micro-camera   Programming   Engineering   Biology   Machine

Discover   Electronics   Psychology   Theory   Application   Computer   Sociology   device

Science	Technology
➤ Process = العملية ➤ Communication = التواصل ➤ Research = البحث ➤ Observation = الملاحظة ➤ Computing = الحوسبة ➤ Mathematics = الرياضيات ➤ Physics = الفيزياء ➤ Investigation = التحقيق ➤ Experiment = التجربة ➤ Astronomy = علم الفلك ➤ Chemistry = الكيمياء ➤ Programming = البرمجة ➤ Engineering = الهندسة ➤ Biology = البيولوجيا ➤ Discover = إكتشف ➤ Psychology = علم النفس ➤ Theory = النظرية ➤ Sociology = علم الإجتماع ➤ Hypothesize = إفترض	➤ Internet = الأنترنت ➤ Communication = التواصل ➤ Virtual reality = الواقع الإفتراضي ➤ Invent = إخترع ➤ Robotics = الروبوتات ➤ Micro-camera = كاميرا مجهرية ➤ Machine = آلة ➤ Electronics = الإلكترونيات ➤ Application = التطبيق ➤ Computer = الحاسوب ➤ Device = الجهاز

Interesting Technology Devices   What do we use it for?

جهاز : Device

Smart watch	**Web cam**	**Remote controller**	**Vacuum cleaner**
Mouse	**Printer**	**Dishwasher**	**Microwave**
Washing machine	**Television**	**Blender**	**Virtual Reality**

Interesting Technology Devices   **What do we use it for?**   **Device :** جهاز

| headphones | Earphones | Keyboard | Wireless |

3 **Speaking Task**

What do we use it for ?

examples

We use <u>the webcam</u> to video-chat with friends and family

We use <u>the washing machine</u> to watch our clothes

We use <u>the computer</u> to surf the internet

❑ **Fill in the gaps with the correct words from the list below**

Vacuum cleaner | emails | dishwasher | microwave oven | computer | mobile phone | remote controller | Television | chatting

1. When I get back home from work, I decide to watch _____, so I take the _____ and zap to my favorite channel. However, sometimes the electricity goes off and I always have to take my _____ and call my friend to help me fix the problem. He usually says that he is busy on his _____ sending _____ to his customers or _____ on Facebook.

2. I could not hoover my carpet with the _____ because the electricity went off.

3. I always use the _____ to heat my dinner when I get back from work in the evening.

4. The _____ is a very useful device because many people hate washing dishes manually.

❑ **Match the following words to form collocations**

Communication	Camera
Digital	Access
Have	Technology
Information	Technology
Remote	Addiction
Internet	Controller
Television	Viewers

❑ **Match the following words to form collocations**

Words	Nouns
Perform = نفذ	**Performance** = الأداء
Addict = مدمن	**Addiction** = الإدمان
Innovate = إبتكر	**Innovation** = الإبتكار
Invent = إخترع	**Invention** = الإختراع
Scientific = علمي	**Science** = العلوم
Inform = علم	**Information** = المعلومات
Discover = إكتشف	**Discovery** = الإكتشاف
Connect = إتصل	**Connection** = الإتصال
Harmful = خطير	**Harm** = الخطر

Exercise **1** ❑ **Put the verbs between brackets in the correct form**

1. Virtual Reality is one of the biggest _____ <u>invention</u> _____ (invent) of our time.

2. Internet _____ addiction _____ (addict) is a very dangerous phenomenon.

3. Watching TV for a long time is considered to be _____ (harm) for the eyes.

4. Cloning is one of the most controversial scientific _____ (discover).

1. When I get back home from work, I decide to watch _____ television _____, so I take the remote controller and zap to my favorite channel. However, sometimes the electricity goes off and I always have to take my __ mobile phone _ and call my friend to help me fix the problem. He usually says that he is busy on his _____ computer _____ sending _____ e-mails _____ to his customers or _____ chatting _____ on Facebook.

2. I could not hoover my carpet with the vacuum cleaner because the electricity went off.

3. I always use the _____ microwave _____ to heat my dinner when I get back from work in the evening.

4. The_____ dish washer _____ is a very useful device because many people hate washing dishes manually.

Communication		Camera
Digital		Access
Have		Technology
Information		Technology
Remote		Addiction
Internet		Controller
Television		Viewers