

The Tech Challenge

for upper primary

Name: _____



Find out how technology has changed our lives.

Start on Level 1 – Explore

Find Freddy the robot

Freddy was designed by scientists at the University of Edinburgh.

Watch the video clip.
What could Freddy do?

Technology is changing so fast that in the future completely new types of jobs will be needed

Choose another robot that you can see nearby and draw it here.

What is it used for? _____

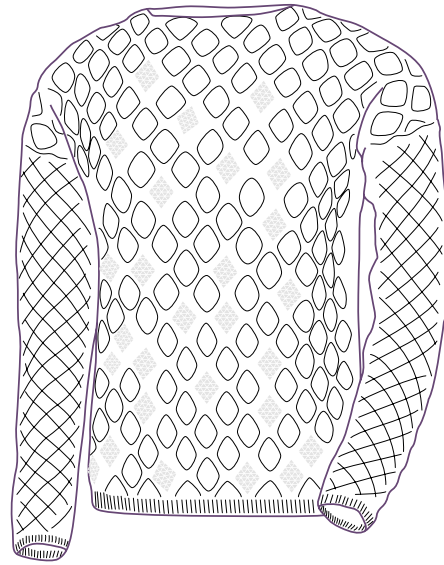




Go to Level 1 – Fashion and Style

Find these objects

What are they?



All of them were designed using 3D printing.

Read the following sentences and tick the ones that you agree with.

- 3D printing will make shoes and clothes more exciting.
- 3D printing will mean you could design your own clothes in future.
- 3D printing is good for the environment.

What would you like to 3D print?

The number of jobs which involve working with robots and 3D printing technology is expected to grow





Go to Level 3 – Communicate

Find the display of phones, around the back of the large glass case.

You can find the oldest (number 1) on the top left hand side.

Now find the newest (number 38).

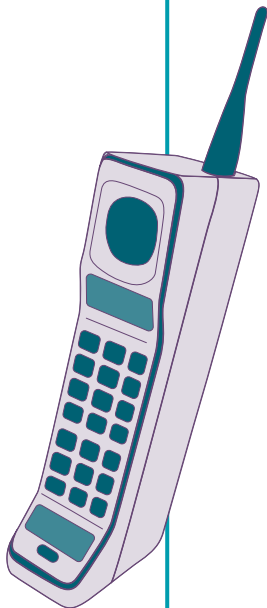
What are three differences between the oldest and newest phone?

Computer coding skills are needed across all areas of work including fashion, health, sport and food & drink

- 1 _____
- 2 _____
- 3 _____

What would you like your phone to be able to do in the future?

Why do you think phones have changed so much?



Draw your phone of the future.





Stay on Level 3 – Technology by Design

Find the Engineering humans section

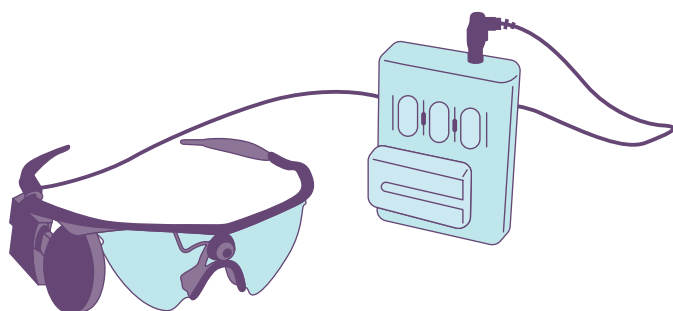
Technology has been used to make devices which can help improve people's lives.

Find these objects

Complete the missing letters to show which body part they relate to.



_ e _ r _



_ y _ s

A wide range of subjects including computing, maths, science and art can lead to a job using digital technology

Go to the touch screen and read about contemporary prosthetics.

Find the story about James Young (scroll to the last screen)

A prosthetic arm was designed for him by the Alternative Limb Project.

What technology does his new arm include?

So now you know more about: **Digital Technologies**

Almost everything we use from smartphones to home appliances and the Internet was designed by someone with digital technology skills.

Find out more at www.myworldofwork.co.uk and www.digitalworld.net. Find out what subjects you need to study at school for different jobs, what skills you need, how many jobs there may be in the future and lots more.

