Future Jobs
Worksheet

Learning outcomes

This activity will help you to:

★ By doing this activity, you'll identify some of the skills and strengths future jobs might need, you can try out a design challenge and start to recognise some of your own skills and strengths.

Activity

Introduction

The world is changing, and jobs will change too. **Watch this video** (1) to start to understand what skills you'll need for jobs in the future.

Now pick out two facts that you found interesting.

1:

2:

We all need to develop our human skills. We won't be able to compete with Artificial Intelligence (AI) systems but there are things AI can't do, such as:

★ Be creative
★ Feel
★ Have integrity
★ Collaborate
★ Be curious

Activity on next page…

Design a house of the future!

★ Did you know that with the population increasing, we'll have to think of new ways to provide housing?

Now it's time to design your own futuristic house. Spend around 15 minutes designing it. You can draw your house on a sheet of paper and think about:

★ how this house will be powered?

★ what materials could be used to build it?

★ what types of technology could be used in it? for example could your Alexa open a door?

★ who would this benefit and why?

Careers hunt

Using the My World of Work website, can you start to explore job profiles and work out which career the following relates to?

Under Computing and ICT category (2), what role would you:

★ Find and suggest patches for weaknesses in a system

★ Ensure that the system is firewalled

★ Put security protocols in place

★ Earn, on average, £46,280

★ You'd be employed to protect networks and computers from attacks from unethical hackers, who illegally access computers with the intention of accessing confidential information.

We're going to look at two other careers:

★ **Machine Learning Engineer (computing and IT)** (3)

★ **ROV Pilot Technician** (4)

For each, can you find out:

★ The average wage

★ The skills you'd need

★ Your work environment

★ The subjects you'd need to study

★ The routes into the career

If you want to learn more about other careers, spend some further time exploring **job profiles** (5) on My World of Work.

Website References

1. Introduction: A Human Future https://bit.ly/3e0v3Gk

2. Computing and ICT https://bit.ly/36ho1dl

3. Machine Learning Engineer (Computing & IT) https://bit.ly/3g6GYo4

4. ROV Pilot Technician https://bit.ly/2XeZwcX

5. Job Profiles https://bit.ly/2WN7hb6