



# Tech innovation and entrepreneurship

Age range: 14-19





# Exploring what entrepreneurship means

Entrepreneurship, is about having the ability to be enterprising – being able to come up with inventive ideas, take risks where necessary, respond to challenges, and develop a successful business, where as a founder can create employment for others. Entrepreneurs are also sometimes referred to as founders.

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# Tech innovation vs innovation

3



## Innovation

- Electric car



## Tech innovation

- Artificial intelligence



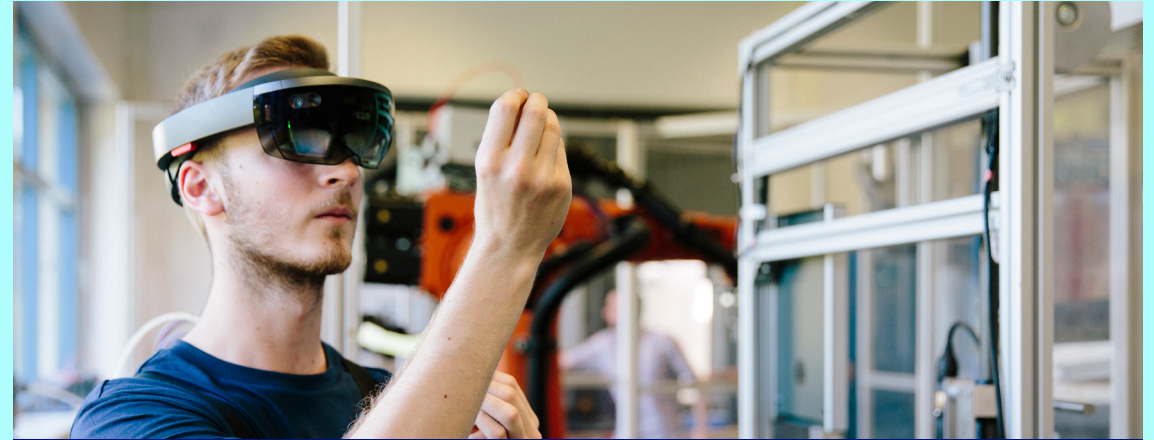
# Tech innovation vs innovation

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## Innovation

- Electric car
- Smart phone
- Bagless vacuum cleaner
- Edible insects
- Oat milk
- Edible cutlery

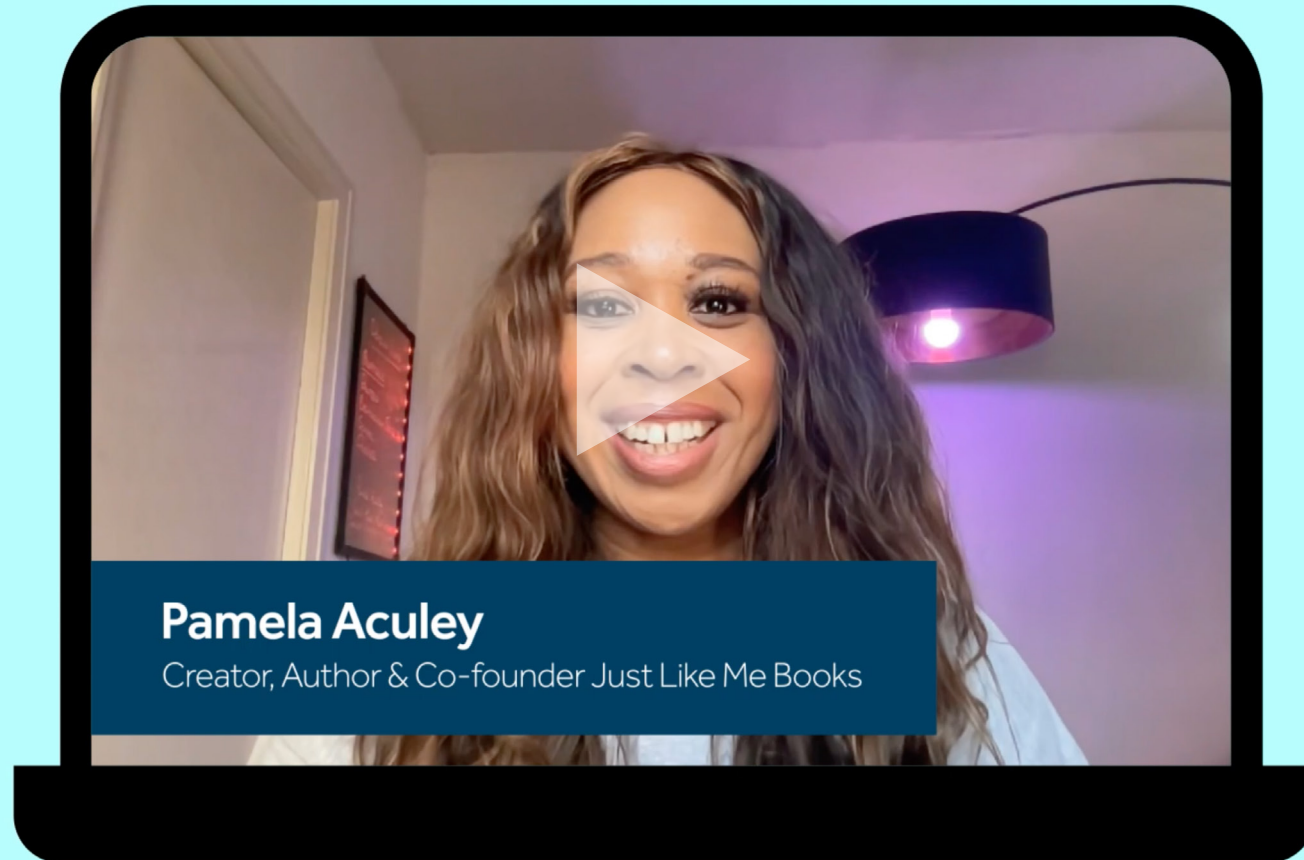


## Tech innovation

- Artificial intelligence
- Automation within a factory
- Electronic vacuum cleaner
- Robotics
- Virtual Reality
- Online meeting platform

# Developing tech innovation

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# Key terms

| Key term               | Definition |
|------------------------|------------|
| Innovation             |            |
| Tech innovation        |            |
| Diversity              |            |
| Equality and inclusion |            |
| Start up               |            |
| Sole trader            |            |
| Partnership            |            |
| Limited company        |            |
| Social Enterprise      |            |

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| <b>Social Enterprise</b>      | A form of business that aims to improve the environment and community it operates within by making profit and reinvesting back within the business. |

# The importance of intellectual property

6



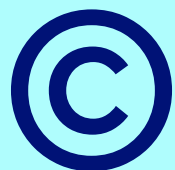
## Copyright

## Trademark

## Patent

# The importance of intellectual property

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E.g. software, song lyrics, photographs, manual etc.

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## Patent

- Protection of a physical invention from the use of others.

E.g. micro-chips, technology, processes, instruments, tools etc.

# Exploring cyber security

As technology becomes more widely used an entrepreneur or business may need to consider what cyber security they have in place to protect themselves from a cyber attack.

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# Definition of a cyber attack

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A cyber-attack refers to electronic theft, modification, disabling and/or destroying one's electronic data through unauthorised access to computer system/network by a cybercriminal.

A cyber attack could result in high costs for a business to resolve, loss of financial data, branding/reputational damage, loss of customers and reduction of income/profit. UK businesses are also legally obliged to protect customer data and could be subject to hefty fines.

A cyber attack can also happen in your personal life, so it's important to be aware of how to protect your online accounts, bank accounts and electronic devices.

# The rise of cyber crime

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\* [Cyber security breaches survey 2023](#)



# Cyber security measures



## Firewall

Dedicated IT support teams

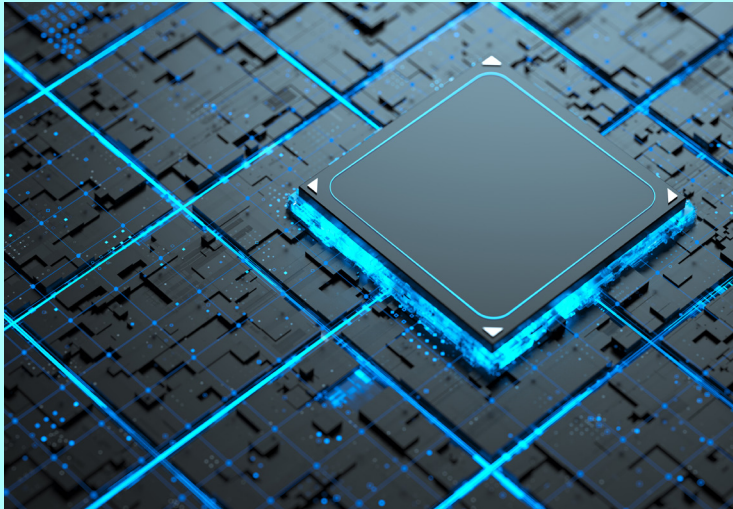
Regular staff training



## ID&V (Identity and verification)

Updating security systems and software regularly

Strengthen access or permission of users



## Authentication

Data encryption

Antivirus software