

BRIDGING WORK

BTEC National Level 3 Extended Certificate in Information Technology



Emerging technologies

An emerging technology is one that is just starting to make an impact in the wider world. These technologies are usually very new or are still developing and growing into their full potential.

TASK

Research the following emerging technologies:

- Virtual Reality/Augmented Reality
- Self-Driving cars
- Artificial Intelligence
- IoT
- 5G

Write a report in Word or create a PowerPoint explaining each technology and describing:

- what the technology is
- its impact on the world
- its growth and main benefits
- key areas/industries where it is used

If using Word ensure the report has suitable headings, subheadings and page numbers. Each technology should be at least one A4 page. If using PowerPoint use the notes section for the bulk of the information with only small amounts of information contained in the slides, minimum 2 slides per technology.

Show evidence that you have researched using different sources of information. Include references or bibliography at the end of the document.

OVERVIEW

This course is suitable for students who want to have one BTEC ICT qualification and may be interested in pursuing a career in IT. It is equivalent in size to one GCE A Level.

Over the two years of the course you will complete 1 written exam, 1 task unit, 2 assignment units.

During the first weeks of the course, you will be issued with a student handbook and assignment brief for the first assignment unit. You must ensure that your work is securely backed up on school server as well as OneDrive or other cloud storage service.

Useful websites:

<https://www.techrepublic.com/article/top-10-emerging-technologies-of-2019/>

<https://builtin.com/artificial-intelligence>

<https://electronics.howstuffworks.com/gadgets/other-gadgets/virtual-reality.htm>

<https://www.theguardian.com/technology/2015/may/06/what-is-the-internet-of-things-google>

DUE: First lesson in September