


## 2

This section will provide you with a better understanding of the Entry Routes open to you should you wish to join the Information Technology Sector. Lets us explore these routes in more details.



Known as Tech levels or T-levels, these include qualifications such



Apprenticeships allow you to earn money, combining on-the-job training with study. They can open doors to a wide variety of Information Technology jobs and can be taken at different levels, including intermediate, higher and degree apprenticeships.

You will generally need a minimum of five GCSEs (or equivalent) including English, maths and science or technology subjects, often at grades 9 to 4 (A\* to C) due to competition for places.

Watch the short video by clicking on the link below to hear about from a few other young people who have already undertaken an IT apprenticeship. [\\_\\_\\_\\_\\_](#)

1. Can you research and list 5 possible IT related job roles which you could undertake as part of an Apprenticeship?
2. Using the internet can you research and list some companies in Worcestershire that offer IT related Apprenticeships?
3. What do you think are the benefits of choosing the APPRENTICESHIP ROUTE into the Information Technology sector?



After completing your A-Levels, T-levels, IB, Highers, BTEC Level 3 or equivalent, you may decide to go on to study a subject relating to the Information Technology sector at university.

Students would usually complete a university course over a period of three to four years. Depending on the subject, these courses combine coursework, exams and practical learning also. It is possible to study your degree part time and in your private time. Students would normally focus on one course which would support their entry into a specific job role.

You normally need to have studied maths, English and Science or a related vocational course to Level 3, in order to apply to IT related degrees at university

4. Using the internet can you explore and list the different IT related courses you could study at University?

1. Using the internet can you explore and list the different IT related courses you could study at University?

2. Can you list 5 x job roles which you could undertake once you have completed an IT related degree at university?

3. Using the internet can you research and list some local, regional and nationally based universities where you could study IT related degrees?





# WEB DESIGNER

1. How many hours per week would you expect to work as a WEB DESIGNER?

2. Can you name the qualifications which might help you become a WEB DESIGNER?

3. What would the starting salary be for a fully qualified WEB DESIGNER?

4. Can you write a paragraph about the tasks you might be required to undertake as a WEB DESIGNER?

5. Can you list 3 x employers in Worcestershire where you could be employed as a WEB DESIGNER?





# CYBER SECURITY ANALYST

1. How many hours per week would you expect to work as a CYBER SECURITY ANALYST?

2. Can you name the qualifications which might help you become a CYBER SECURITY ANALYST?

3. What would the starting salary be for a qualified CYBER SECURITY ANALYST?

4. Can you write a paragraph about the tasks you might be required to undertake as a CYBER SECURITY ANALYST?

5. Can you list 3 x employers in Worcestershire where you could be employed as a CYBER SECURITY ANALYST?



What do you think will be the most significant changes in our lives as a result of the advances in Information Technology? How do you think these changes will affect our lives? What do you think will be the most significant changes in our lives as a result of the advances in Information Technology? How do you think these changes will affect our lives?

What do you think will be the most significant changes in our lives as a result of the advances in Information Technology? How do you think these changes will affect our lives?

In the free text box below list some of your ideas.

Think about ALL the different things that might change as Information Technology becomes more advanced and the impact this could have on our day to day lives.





Let's start with the first part of the document.

Let's start with the first part of the document.

