Preparing for Applied Science BTEC

The Applied Science BTEC course is mostly assessed through coursework: a teacher will teach you parts of a topic, then you are expected to research more about this subject and write a piece of coursework about what you have learned.

To help you improve your understanding of good sources to use, and to practise your writing skills this summer, you need to complete the task below.

Task: Research the virus HIV and explain how the virus causes disease

Rules

- Do not copy and paste anything you read
- Once you have read something, close the webpage and write your own explanation in your own words – you can go back and check it later but this will make sure nothing is copied accidentally.
- Use the Success Criteria below to help structure your writing – you can use the bullet points as side-headings if you like.
- Each bullet point below should be about a paragraph (6 or 7 lines) long in your writing – do not answer these like short answer questions.
- Your final research piece should be a minimum of 3 pages.

Success Criteria

- What does HIV stand for and when was the virus discovered?
- How is HIV different to AIDS?
- Where did the virus come from?
- How do people think the virus infected humans?
- How can people become infected with HIV?
- Which cells in the body does HIV infect?
- What does HIV do once it infects your cells and how (include the names of any parts of the virus you read about)?
- Why can we not cure patients who have HIV?
- What are the 4 stages of HIV infection and explain some of the symptoms that patients suffer from at each stage?
- How do we currently treat patients who have HIV? (what medicines do we give them and why do we give them these medicines?)

Use the websites below to get you started – remember to be careful only to read websites you can trust to be truthful!

https://www.nhs.uk/conditions/hiv-and-aids/

https://www.hiv.gov/hiv-basics/overview/about-hiv-and-aids/what-are-hiv-and-aids

https://www.youtube.com/watch?v=17pfZUlAqow