Preparation Work for BTEC Year 12 ICT
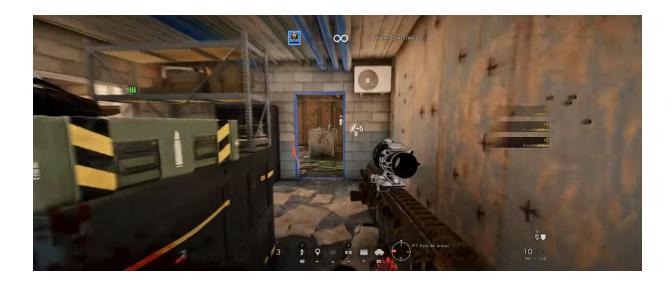

To prepare for BTEC ICT in Year 12 complete the following assignment over the summer break.

Your Task

You have been asked by one of your relatives to create a computer system to keep them busy during the COVID-19 lockdown.

Your 15 year old cousin is a gamer and would like you to build a gaming PC. She particularly enjoys playing Rainbow Six Siege and would like her machine to support Ray Tracing graphics. Her budget is £2000.

Your task is to find the optimum PC for this budget. You should include all the following components:

Processor
Mother Board
Graphics Card
RAM Memory
ROM memory (SSD or HD)
Power Supply Unit
Cooling Unit
Tower Case
Monitor
Keyboard
Mouse

You should give your cousin at least two options for each component.
You must:
   A) Explain what each component does.
   B) Explain how its powerfulness is measured.
   C) Recommend the best component that your budget will allow.

You can use the following websites to help find the best priced components:

https://pcpartpicker.com/

https://www.overclockers.co.uk/

You should present your findings in any of the following formats:
A written report in Google Docs
A presentation in Google Slides
A website made using WIX

Hand in your finished work to Mr Drought or Mrs Sykes in your first lesson in September.
Good luck