

# SUMMER PROJECT 2019

Subject: BTEC IT Subsidiary Diploma

Teacher: Jenni Coles



## Why do we ask you to complete a summer project?

We ask all students who are intending to come to L6FC to study in September 2019 to complete a short project in their chosen subjects over the summer holidays. The purpose of this is to enable you to start reading and researching to gain a better understanding of one of the topics that will be covered in your course. It also allows you to show your teachers that you can organise your time and work independently, both of which are key skills for any BTEC student.

You will be expected to submit your summer project for the BTEC IT Subsidiary Diploma class electronically by **Friday 13 September 2019**.

## What is the BTEC IT Subsidiary Diploma summer project?

You should conduct research into computer system specifications and then recommend a suitable computer system and peripherals for an indie digital games developer who is planning on using their digital graphics and programming skills to create their own 3D computer games for PC.

Your budget is **£2,750** and you should include both software and hardware components in your recommendation. The indie games developer would like you to recommend a desktop system that runs the Windows 10 operating system.

## Can you give me some more guidance on what is expected?

This project is designed to give you an opportunity to demonstrate your ability to learn about a concept and then apply your knowledge to a given scenario. It is a typical BTEC IT coursework assignment and is very similar to a task that you will need to complete later in the course.

More information is available on the next page and if you get really stuck you can send an email to **Jenni Coles** at [j.coles@lowestoftsfc.ac.uk](mailto:j.coles@lowestoftsfc.ac.uk) to ask for advice.

Your evidence for this task should comprise a spreadsheet and a word document.

You will be expected to submit your summer project electronically via our virtual learning environment (Moodle) by **Friday 13 September 2019**.

## Additional task information

Your recommendation should include the following components as a minimum:

- A desktop tower
- A monitor
- A keyboard
- A mouse
- A graphics drawing tablet
- An external storage device
- Games development software



Your recommendation should take the form of two separate electronic files:

A **document** that explains why you think your recommended computer system is suitable for the indie digital games developer. This should be a persuasive piece of writing that refers to the key technical specifications for each of the components, explaining why they are appropriate and why they should be taken into account when purchasing a computer system. You should include information about the processing power, graphics card capabilities, internal storage capacity and internal memory (RAM), as well as screen size and resolution, as a minimum.

A **spreadsheet** that lists the following information about each of your recommended components and calculates a total price for the system:

- The full name of the component (including brand/model/version as appropriate)
- The supplier you recommend buying it from
- The price in GB pounds sterling currency

You might find the following websites helpful:

- <https://www.techradar.com/how-to/pc-components>
- <https://www.pcgamer.com/game-development-pc/>

- <https://www.wikihow.com/Create-a-Gaming-Computer>
- <https://www.lifewire.com/computer-hardware-2625895>