

BTEC Extended Certificate Computing Summer Task

To support understanding and the course work in the first term, each student is expected to carry out the summer task in full.

TASK 1

Pupils to produce a well researched, and sourced presentation to show:

A History of Computer Games.

The presentation should illustrate (i.e. include pictures) the history of the computer game by showing a range of devices that were / are used to play computer games.

The slides should be arranged such that devices are in ascending chronological order.

Each device should be described in terms of:

- the type of media used to store the game,
- the method of interacting with the device (i.e. the input device),
- how did this device improve on its predecessors

Whilst pictures will support the text they should be used efficiently. *In most cases a single picture per slide will be sufficient.*

TASK 2

Add to this presentation and include at least six distinctly different genres of game.

For each genre explored it is expected that you will include:

- A good screen shot of the gameplay.
- A general description of this genre in action.
- A range of themes that have been used with this genre.
- Some discussion over the intended audience for this genre.
- Some discussion over the suitability of the genre with respect to age ranges.

NB:

You are not expected to deliver this presentation to the class but...

It is expected that each slide of your presentation:

- is well laid out,
- considers that the audience is an adult.
- The notes pages must be efficiently used, and provide additional commentary to the slide itself (it must not simply be a copy of the slide)
- The presentation itself must be professional (consistent, word count, mature style, no animations)
- Each and every fact source, picture, must be referenced using HARVARD (<http://www.harvardgenerator.com/>)

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TASK 3

Files can be compressed before they are transmitted.

Explain TWO disadvantages of receiving files that have been sent in a compressed format.

TASK 4

Harrison is a Graphic Designer. He wants to choose a new computer system for his work. Discuss the features and recommend a suitable computer system for him to carry out his work. Be sure to explain your reasons for choice.

TASK 5

Network storage systems can be setup in different configurations. Research and explain the term RAID 1. Discuss HOW it can be used to improve the computer systems reliability.