BTEC Award in Digital Information Technology Challenge Grid

How many challenges can you complete?

Tick them off and make sure you can evidence that you have completed them.

Photos, notes or pictures allowed.

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| 1  Send an Email to a friend that you have not spoken to recently. Find out how they are and have a catch up. | 2  Ninja Quiz-Click on the 4 links below, try and score over 80% in each of the Quizzes  [Link 1](https://www.knowitallninja.com/quizzes/communication-technologies/)  [Link 2](https://www.knowitallninja.com/quizzes/features-uses-of-the-cloud/)  [Link 3](https://www.knowitallninja.com/quizzes/selection-of-cloud-technologies/)  [Link 4](https://www.knowitallninja.com/quizzes/implications-of-cloud-technologies/) | 3  Watch the following YouTube video, them make a slideshow or poster that highlight’s the key information  [Link](https://www.youtube.com/watch?v=qCefm3y_rVs) | 4  Find 10 different jobs where you have to use a computer/ Smartphone or Tablet.  What do they use the device for?  What software do they use and how does this software help them do their job? | 5  Help someone in your family with a computer based task. Write down what you did and what you found easy as well as anything new you have learnt during this experience. | 6  Write a help sheet on how to access OneNote from home. Take snips and explain these screen shots step by step. The target audience for this task is Year 7 students |
| 7  Teach yourself a new practical skill.  Such as using a new app on your phone, learning a new piece of software on your computer  [Help link](http://teach-ict.com/videohome.htm) | 8  Research using the internet someone who has been very successful in the Computer industry.  What has happened in their life across the age stages?  How has this affected their life?  Write a summary review. | 9  Create a revision video that gives an overview on the different types of user interfaces that are used in computers.  Use the link below for help:  [Help link](http://teach-ict.com/gcse_new/computer%20systems/user_interface/miniweb/index.htm) | 10  Design a poster that looks at how input and output devices are used to communicate with a computer  [Help link input](http://www.teach-ict.com/gcse_new/computer%20systems/input_devices/miniweb/index.htm)  [Help link output](http://www.teach-ict.com/gcse_new/computer%20systems/output_devices/miniweb/index.htm) | 11  Research task- The Corona Virus is obviously big news at the moment. When we finally come out of lockdown there is talk of an app being available to track everyone?. Do some research on this topic. Find out if other countries already have this in place? How does this technology work? What will the interface look like? What hardware and software is needed in order for this to work? | 12  Read a newspaper or an article from the BBC News website on a recent IT related topic. |
| 13  Create a webpage (Word/Dreamwever/Online)  that explains how user interfaces are used in: Computers, handheld devices, entertainment systems, domestic appliances & embedded systems | 14  Emerging Technologies- research 10 new computer technologies that are happening right now. Create a booklet that looks at these new technologies and how these will improve our lives in the future | 15  When designing software, you must always consider ‘design principles’.  Write a report using the following headings (Explanation needed under each heading)  Colours  Font style/size  Language  Amount of information  Layout | 16  Look through all of your theory notes on OneNote create a Kahoot Quiz that could be used as a tool to test student’s knowledge recall on this topic (10 questions minimum) | 17  Critique the following website:  [Link](https://www.tottenhamhotspur.com/the-stadium/)  Create a 1-page document that discusses both positives and negatives under the following headings:  Accessibility, Skill level, Demographics, House Style (colours, Font/Style) language, layout, Multi Media Assets | 18  You have been asked to deliver a lesson to the class on a recent topic that we have studied. You must plan the lesson and it must include a starter activity, a main task that the students will do and a Plenary.  Look back at your work on OneNote to come up with a suitable topic to plan |