

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.

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 Link 2 Link 3 Link 4	3 Watch the following YouTube video, then make a slideshow or poster that highlight's the key information Link	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	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	10 Design a poster that looks at how input and output devices are used to communicate with a computer Help link input Help link output	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/Dreamweaver/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 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

<p>NEW: 19</p> <p>Microsoft Excel basic skills Task 1- Download Microsoft Excel from the school's website and save it onto your computer, phone, tablet: Link to Excel download.</p>	<p>NEW: 20</p> <p>Microsoft Excel Task 2- If you already have Excel on your computer, phone, tablet let's get started!!: click on the link and watch the video's on: Miscellaneous, setting up, using worksheets, formatting worksheets, data types and Formulae. Makes notes or try out the skills on Excel so you feel confident you can do the tasks</p>	<p>NEW: 21</p> <p>Microsoft Excel Task 3- Read the following powerpoint from SMHWK Learning for this week Part 4 "Interactive spreadsheet formulas" Then complete formula practice 1,2,3</p>	<p>New:22</p> <p>Microsoft Excel Task 4- Find the following from SMHWK Learning for this week Part 4 "Newsagent- Spreadsheet" and follow the instructions. Now open the Spells Word worksheet and the Spells spreadsheet and complete the tasks. Upload completed work to SMHWK</p>	<p>New:23</p> <p>Microsoft Excel Task 5- Find the following from SMHWK Learning for this week Part 4 "School fete" Word worksheet. Also open up the "School fete" Excel document. Complete the tasks. Upload completed work to SMHWK</p>	<p>New:24</p> <p>Microsoft Excel Task 6- A good breakfast project. Find the following from SMHWK Learning for this week Part 4 "Task 6_A good breakfast PART 1" Word worksheet. Also open up the "Task 6 Lesson slides". Complete the tasks. Upload completed work to SMHWK. Extension complete "Task 6_A good breakfast project PART 2"</p>
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