Franklin
Sixth Form College

CTEC Information Technology Level 3
Essential Bridging Work

If you intend to enrol on this course you must complete the following bridging work ahead of your first lesson and bring it with you. It should take you about 4 hours to complete the work.

Topic	**Application (App) Design** Applications have been around since computers were invented, but the term App has only existed since the first Smartphone/Tablets were created. Every person who has used a tablet or a smartphone is familiar with the whole range of apps available. From the use of What's App to create chat groups with friends and family, Snapchat to track your own story – 'snapping' your life through pictures, Facebook for keeping in touch with friends and family, Games for keeping you entertained for hours and Spotify for listening to the latest music. There are thousands of apps to keep us entertained, informed and connected with our friends and family.

Task 1	**1.** What makes a good app?
	     Give a written explanation using examples of apps that you have used as to what makes a good app. Try to use screen grabs and discuss specific features of different apps.
	     e.g. this could include ease of use, colour scheme, user interface, interactivity, free/paid
	
	2. Describe the different categories that apps can fall into (with examples). Which do you feel appeal to people the most and why**?**
	
	3. Propose a new App
	     Produce documentation that shows the thought process behind proposing a new app. This should include:
	     • A name for your proposed app
	     • A description on its purpose
	     • Who will be the target age group? Audience?
	     • Produce a logo for the app
	     • Describe the features
	     • Come up with some sketches of screen designs – giving a narrative of how it could be used.

Topic	**Fundamentals of IT** In order to create, manage or develop information technology systems, you need to understand how the components and software work and their individual purposes. However, these components must be able to communicate with each other to carry out tasks as varied as calculating the price of your new tablet, monitoring medical implants and navigating spacecraft's to the very edge of the galaxy.

Task 2	Research the following types of external devices, with their strengths and weaknesses and create a table like the one below to record your findings.

Storage Device	What is it?	Strengths	Weaknesses
Flash drives			
Cloud storage			
Solid state discs			
Optical hard drives			

Resources	http://www.bbc.co.uk/education/guides/zxgkxnb/revision/6 http://www.computerhope.com/jargon/s/stordevi.htm

Task 3	Carry out some research on personal attributes in the workplace, these are the qualities individuals have which enhance their technical skills and make them useful employees. When you have completed your research copy out and complete the following table, briefly explaining why each attribute is useful and any particular roles to which the attribute would apply. The first two have been completed for you.

Attribute	Meaning	Possible role type
Decisiveness		
Punctuality		
Self-motivation		
Leadership		
Respect		
Dependability		
Problem solving		
Determination		
Independence		
Time management		
Team Working		
Written numerical and verbal skills		
Planning and organisation skills		

Resources	http://www.ocr.org.uk/Images/168823-the-ocr-guide-to-employability.pdf

Presentation	Preferably the work should completed electronically with your name in a header and printed off. **Please bring it to your first lesson to be handed in.**