



Cambridge Technical

Transition tasks 2020

Transition Tasks

Below are some tasks that you should follow and do. These will form a bridge in your knowledge and understanding for when you start the course- Cambridge Technical.

Task One:

Read, take notes and understand what Databases are- using the websites below:

https://www.teach-ict.com/as_as_computing/ocr/H447/F453/3_3_9/database_design/miniweb/index.htm

<https://revisionworld.com/a2-level-level-revision/computing-0/information-processing/databases>

<https://www.youtube.com/watch?v=ob7Zy8NgVK4> Now, watch this video to further enhance your understanding.

Task Two:

Conduct research and **produce a written report** (contents page, title page, main content conclusion) on *'How has the use of Mobile Technology' developed over the past 10 years'*. Describe how things have evolved, how has lifestyle and peoples standard of living changed as a result of Mobile Technology.' This must be between 3-5 pages long, showing an extensive amount of research.

Task Three:

You have been employed by 'PC Direct' to plan a website to educate students in years 10-11 about how Computers work.

You need to find out about 6 different computing components that are needed for a computer to function. Look at the various types of processors and their purposes. Research difference types of cards that are used by computers and why.

Present your finding in a report format (title page, contents page, main, conclusion).

Use this task to also find out how to write a detailed professional report.

Task Four:

You have been employed by 'PC Direct' to plan a website to educate students in years 10-11 about how Computers work.

You have been asked to create a plan for you website. You need to plan each webpage for the website. You need to show how the website would look in design

mode. Show where the images will be placed, the text, the videos and even buttons. Add plenty of detail in to show how the website would look like.

Your design should allow any developer to create the website from just your plan. Add annotations on the plan.

Task Five:

What are the **five major technological developments** that have taken place over the past decade. How have they had an impact in society? How has it reformed education?

You can present your findings in any form; reports, presentation, posters etc.

Task Six:

'KS1 Pro' is an app that allows toddlers to view an interactive story.

A story is presented in an interactive manner- where pupils in KS1 can click on buttons to move from one section to the next. This app makes reading fun, as it uses images, sound and large text.

You have been invited to show your skills by creating an interactive story using MS PowerPoint that pupils in reception can engage with- allowing them to develop their knowledge and understanding of stories and IT skills.

Task Seven:

https://www.youtube.com/watch?v=LVV_93mBfSU

https://www.youtube.com/watch?v=3osm-soT_Lc

Now let's see how the internet works and how the CPU works. Watch the two separate videos and make notes on how they works.

See if you can make a presentation from both the video clips and do your own research around the topics

Enjoy the tasks and use the time to learn new skills and develop your understanding.