Applied IT Bridging Menu

You are about to start an exciting journey into the world of IT, good luck!

Remember

- Choose what modules you do and when, but work through them consistently. Different tasks will take you varying amounts of time, but on average you should aim to do one or two per week
- All green tasks are core modules, they are compulsory and must be completed
-  The red hot chili indicates that the task is more challenging than the others
- Numbers eg (1) correspond to how you should evidence the module which can be found in the slides following the menu. They can be saved within this powerpoint or as separate documents clearly labelled with the subject

Applied IT Bridging Menu

(Green modules are core (compulsory) modules , indicates the most challenging modules)

Read	Watch	Listen	Visit (virtually or physically at a later date)	Do
Cisco Digital Transformation fueled by the Internet of Everything Digital Transformation with the Internet of Everything (cisco.com) **(1)**	Craig & Dave https://www.youtube.com/channel/UC0HzEBLlJxlrwBAHJ5S9JQg/playlists?shelf_id=10&sort=dd&view=50 **(1)**	The Digital Human BBC Radio 4 Digital Human Podcast **(1)**	The National Museum of Computing - http://www.tnmoc.org/ **(3)**	MOOCs https://www.futurelearn.com/courses/learn-to-code-for-the-web Search through the MOOCs using the filter 'IT' and choose one that particularly interests you **(6)**
IBM Watson Internet of Things: IoT in the cognitive era https://www.ibm.com/uk-en/cloud/internet-of-things **(1)**	BBC Click - http://www.bbc.co.uk/programmes/n13xtmd5 **(1)**	BBC Tech tent https://www.bbc.co.uk/programmes/p01plr2p **(1)**	Bletchley Park - https://bletchleypark.org.uk/ **(3)**	**Independent research task** Emerging computer technology **(4)**
Chips with Everything from the Guardian https://www.theguardian.com/technology/series/chips-with-everything **(1)**	Cyber Security Facts https://www.youtube.com/watch?v=sdpxddDzXfE **(1)**	Wired http://www.wired.co.uk/series/wired-podcast **(1)**	The UK Computer Museum, Cambridge http://www.computinghistory.org.uk/ **(3)**	
MIT News http://news.mit.edu/topic/computers **(1)**	TED Talks https://www.youtube.com/watch?v=EF692dBzWAs&list=PLF7032F8EB1A4F9E2 **(2)**	BBC – Computing Britain http://www.bbc.co.uk/programmes/b06bq6j1/episodes/downloads **(1)**		

(1) - Book/Journal/Podcast/Film Review

Review by: _____
Title: _____
Author: _____
Review of (please circle)
Book Journal Podcast Film Documentary

Would you/would you not recommend it? Why?
Rating:

What was it about?

How does it link to this subject and why is it important?

What did you find particularly interesting/inspiring/shocking? Has this changed your opinion?

What would you like to learn more about?

Save your answers as part of this powerpoint & copy the template as many times as you need

(2) – Review of TED Talk

George Dyson: The birth of the computer

(3) – Review of Visit

Review by: _____

Location: _____

Would you/would you not recommend visiting? Why?
Rating:

What does the location specialise in? Why is it well known?

What was the most fascinating section of the museum/laboratory?

Did you find out anything new that you had previously not known?

What would you like to learn more about?

Save your answers as part of this PowerPoint & copy the template as many times as you need

(4) Independent research task

Emerging computer technology

In this task you get to investigate any area of emerging computer technology which interests you.

You can pick any area which interests you, but examples could be:

- Artificial intelligence
- Robotics
- Automated self driving cards
- Quantum computing

In no more than ONE side of A4 summarise the area you have chosen under the following four headings:

1. What is it?
2. What are the possible Social, Moral, Cultural and Ethical **benefits** of this technology on society
3. What are the possible Social, Moral, Cultural and Ethical **risks** of this technology on society
4. My conclusion on this technology and what it will mean for our world 10 years from now

Additional help:

For additional help and support in structuring your answer you might like to watch some of the videos from the following Craig 'n' Dave playlists:

OCR:
SLR 17 – Ethical, morale and cultural issues
https://student.craigndave.org/videos/slr-17-ethical-moral-and-cultural-issues

(5) the Internet of Everything (IoE)

Produce a leaflet which explains the concept of the Internet of Everything (IoE). In your leaflet explain:

- Explain what the internet is
- What is the www
- How does information get sent?
- What is the internet of everything?
- Explain the four pillars of the IoE
- Some example technology
- Where you can get more information from

You can edit your answers in the powerpoint

How Computers Work: Demystifying Computation

https://www.futurelearn.com/courses/how-computers-work

To evidence this you can

- Save any notes you take
- Take and save a screenshot of completed modules or the completed course