



Homework map:

Year 7

Enabling individuals to unlock their unique potential			
Homework week	Challenge 1	Challenge 2	Challenge 3
1	Create a poster that tells me how to set a password (Don't use your own as an example!)	Add to the poster and explain to me why it's important to change your password regularly.	Explain alternative ways that you could keep your data secure.
2	Explain what a micro bit is and describe its components.	Explain what Variables are and give examples.	Describe what Iteration is and give examples of where it could be used in a computer program.
3	Create a poster that lists the e-safety rules.	Define what is meant by cyber bullying and suggest strategies that you could use if someone you know was being bullied.	Evaluate the advantages and disadvantages of social media. Draw your own conclusion.
4	Annotate a diagram that shows the main components of a computer.	Add to the diagram the reason why we have different types of storage.	Complete the binary addition worksheet.
5	Write your own cryptography code that explains why you love Tod High.	Write the same message in 3 different types of code.	Research the Bletchley code breakers and be prepared to explain in class why they were so important.
Useful resources and websites	https://www.thinkuknow.co.uk/ https://microbit.org/		



Homework map:

Year 8

Enabling individuals to unlock their unique potential			
Homework week	Challenge 1	Challenge 2	Challenge 3
1	Produce a word document that gives examples showing the difference between a bitmap and a vector.	Add to the word document and define what bitmap and vector are.	Evaluate where and when you would use these different graphics and the reason why.
2	Annotate a print out of a computer's internal components and be able to show where and what the components are.	Define what each of these component does.	Describe the difference between utility and application software.
3	Annotate a piece of python code and explain what a print statement is and what it does.	Annotate the python code to identify and explain why the data is a variable.	Evaluate why the mathematical operators have been used and why.
4	To be able to define what a database is.	Annotate a database printout and be able to explain the different t=data types we can use.	Annotate the printout and evaluate the layout of the forms of a database. Think about the purpose and audience.
5	Annotate and identify the tools of Dreamweaver from the printout.	Add to your printout and explain the purpose and where and when these tools would be used	Evaluate two different webpages and explain how they cater for different purposes and needs.
Useful resources and websites	www.teach-ict.com https://snakify.org/en/		



Homework map:

Year 9

Enabling individuals to unlock their unique potential			
Homework week	Challenge 1	Challenge 2	Challenge 3
1	Prepare a short written document that Defines what a LAN and WAN are.	Explain what the advantages of a LAN and WAN are.	Evaluate where a LAN and a WAN would be located and give the reason why.
2	Annotate a print out of the fireworks toolbar to show that you know the different tools available.	Explain (with examples) where you would use these tools.	Evaluate if these tools are suited to the task and be able to explain why.
3	Annotate a print out of a computer's internal components and be able to show where and what the components are.	Define what each of these component does.	Describe the difference between utility and application software.
4	Complete the binary addition worksheet.	Complete the Binary subtraction worksheet.	Complete the binary multiplication worksheet.
5	Write a short explanation to define what multimedia is.	Be able to justify the use of multimedia for a specific audience.	Be able to justify multimedia for a specific purpose (giving examples).
Useful resources and websites	https://snakify.org/en/ https://snakify.org/en/		