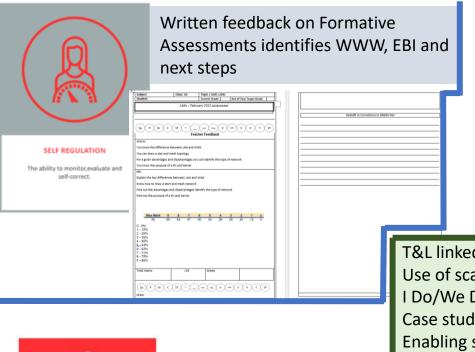
## **High Performance Learning in Computer Science / ICT**



		ACP	Model	Define	Explain	State (Success)
	BIG PICTURE THINKING The ability to work with big ideas and holistic concepts.	Big Picture Thinking Student think logically how to sequence steps in Computer Science. This is important in the concept of computational thinking	Give scenarios of what might happen in certain situations. Using abstraction to break- down a complex problem into manageable task	Big Picture Thinking is working with big ideas (the final website/program/computer system) and holistic concepts and applying the necessary skills when completing a project.	Following a systematic approach by interconnecting all the stages in the development of a program cycle.	Applying the theoretical aspects of programming constructs and using the skills to develop a solution to a given problem. Ability to use skills learnt and applying it to a given problem.
	SELF REGULATION The ability to monitor, evaluate and self-correct.	Self-Regulation Students self-assess using the given resources/mark schemes and evaluating performance. Students are taught skills how to develop their understanding and apply the necessary skills to move to the next stage of their learning.	Use modelling technique to teach students skills to structure their answers and ask the students to self/peer assess using the given mark schemes. The idea is to ensure students fully understand the mark scheme and have the ability to confidently self-peer assess and give targets to move forward. Students also self-correct any mistakes made (peer analysis). End of unit assessments are continual part of our evaluating process.	Self-Regulation is the ability to monitor performance, evaluate and self-correct to improve further in Computer Science/ICT.	Being able to self-regulate in Computer Science is knowing how to better your performance to be successful.	You will show you can self- regulate by correcting your performance in Computer Science. After analysing your performance, you compare your performance against it and set targets to move to the next stage of their learning cycle.
<u>\$</u>	CONNECTION FINDING The ability to use connections from past experiences to seek possible generalisations.	Connection finding Drawing on skills/understanding/knowledge from previous topics. This also applies to cross-curricular subjects (e.g. use of spreadsheet modelling)	Consolidation to incorporate retrieval tasks. (e.g. We Do, You Do). Students to self-assess/peer-asses using the given mark schemes and presenting their solutions to the given task.	Connection finding is the ability to create computer system by following a system life cycle. Students to analyse the user-requirements and connect their solutions by effectively designing and creating a -fit-for-purpose solution.	It is about being able to make links between the analysing the given problem and designing a suitable solution. It is important to ensure the end-product meets the user requirements. This can only be achieved through careful designing/implementation and using the protypes to refine the solution. This also gives our students the opportunity to	You will have shown effective connection finding by drawing links between different stages of the system life cycle.

evaluate and act on feedback.

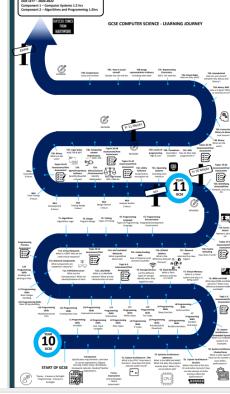


Opportunities to complete written responses to exam questions, are embedded in lessons

Formative assessments prepare students for summative assessments Practice case studies are completed together before students make attempt case studies exam questions PRACTICE

The ability to train and prepare through repetition of the same processes in order to become more proficient.

Key Stage 4 & 5 Learning Journey's



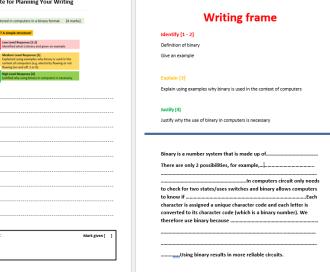
T&L linked to prior learning
Use of scaffolds learning through
I Do/We Do/You Do Tasks
Case studies and discussions
Enabling students to apply skills – using
their own imagination and being creative



Written responses are scaffolded
Students are provided with writing frames and Literacy Support
Marking bands/Grades are used to complete and assess own work

The ability to seek out opportunities to receive

responses to your work; present your own views and ideas clearly and concisely; listen to the views of others; be willing and able to work in teams; take a variety of roles and be able to





CREATIVE AND
ENTERPRISING
The ability to be open-minded and flexible in your thought processes; termostrate a willingness to innovate and inventore and multiple solutions to a problem or situation; adapt your approach according to need; surprise and show originality in your process surprise and show originality in your approach according to need; surprise and show originality in your flowing a personal style; be resourceful when presented with challenging tasks and problems, using your initiative to find solutions.

Year 10

CCS/ICCT Progression Map – Overall

EXAMINATION

Examination

EXAMINATION

EXAMINATION

EXAMINATION

EXAMINATION

EXAMINATION

EXCLOROPART 3 BTEC Component 3 BTEC Component