Haywards Heath College

Getting Ready For ***BTEC Computing***		
Your Name		
BTEC Computing	Introduction to Year 1 Computing	Applied General BTEC

We are delighted you have chosen to study Computing at Haywards Heath College.

Instructions: This pack will help you make the best possible start to studying this subject.

The tasks in this pack:

- should take you **about 4 hours to complete.**
- should be handed into your teacher when teaching starts **from 15ᵗʰ September 2023** with your name on it for assessment.
- are also available on the internet – follow the links in the document.

If you need help: The tasks are designed to get a bit more difficult as you work through them as they are preparing you for studying at a higher level and to become an effective independent learner. You should try to get as far as you can working on your own but if you do need help, please email us at info@haywardsheath.ac.uk telling us which Getting Ready For pack you are working on and what help you need. Help is available throughout the summer holidays.

Skills Focus for this Getting Ready for Pack	
The ability to choose the correct method to solve a problem. Your quality of English communication when a written answer is required. Clarity of logical communication – how well you show your workings and lay out your work. Ability to research a given programming language independently. Marking and correcting your work, revising any topics you have forgotten.	GCSE subject knowledge, including: Linear Number Patterns Digital Literacy Understanding Algorithms Programming Theory Hardware Software Applications Cyber Security

Target Grade	Type of task	Task and subject specific skill reference	Deadline / Evidence
All	Research	**Independent Research & Retention of Information** During the first year of studying Computing, you will be doing an assignment based unit on Cyber Security. To help you research and understand more about Cyber Security you will need to sign up for this free course offered by Open Learn as part of the Open University. Please enrol using your personal email, and complete the first 2 weeks of the course. The complete 24 hour course will be completed & discussed during the first few weeks of our course. Once completed you will achieve a badge & certificate which you can add to your achievements. Introduction to cyber security: stay safe online - OpenLearn - Open University	**from 15th September 2023**
Most	Summarise your research	**Making Notes & Describing without Copying** You should make notes from the course & interpret this into your own words so you can't be accused of copying. Do this in a MS Word document if possible so we can save it in your file area once you have enrolled on the course. Copy the website link so that you can show where you did your research.	**from 15th September 2023**
Some	Essay	**Extension Work** The senior leadership team at a school is discussing different storage media. The administrative staff want to use the 'cloud'. The technical team wants to use servers located on the school grounds. Compare storing data in the 'cloud' with storing data on hard discs connected to the school's servers.	**from 15th September 2023** **Essay**

Notes:
Not everyone will have studied GCSE Computer Science, however you will need to be familiar with the logic terms by the start of the course and many of these will be familiar from maths. Please indicate clearly on your work at the start whether you studied GCSE Computer Science or Information Technology.
Clearly label all pages with name, arrange them in the correct order. You do not need to print the sheets although you may choose to do so for your own records.

Notes:
Recommended reading resource:
BTEC National Computing Student Book (BTEC Nationals Computing 2016): Amazon.co.uk: Phillips, Jenny, Jarvis, Alan, McGill, Richard, Fishpool, Mark, Cook, Tim, Atkinson-Beaumont, David: 9781292166926: Books

Pearson REVISE BTEC National Computing Revision Guide: for home learning, 2022 and 2023 assessments and exams (REVISE BTEC Nationals in Computing) : Fishpool, Mark, Gate, Christine, Farrell, Steve, McGill, Richard: Amazon.co.uk: Books