

GETTING READY FOR PACK

A Level Computer Science

We are delighted you have chosen to study A Level Computer Science at Haywards Heath College

WHAT YOU WILL STUDY

Unit/Topic	During the first year you will study computer programming using C#. This will include using data structures like lists or queues and algorithms such as those for sorting or searching. We will also look at writing functional programs in a language called Haskell.
-------------------	--

WHAT YOU NEED

Kit List	To help you practise coding at home a PC or laptop of your own is useful to have, but it is not essential.
Course Supplement	There will be a small charge for transport for college trips.
Equipment	Apart from the laptop mentioned above, you just need to bring your enthusiasm for computer science.
Essential Textbooks	All the material required for the course can be accessed from Ada Computer Science . Please visit this site and explore the topics.

ENRICHMENT

Trips	Science Museum visit to explore the work of computer science visionaries such as Charles Babbage and Ada Lovelace.
Guest Speakers	Richard Larwence – A life in Computer Science
Events	The Advent of Code Christmas challenge

OPTIONAL ADDITIONAL READING/STUDY	
Student Study Plan	You can access the student study plan for the course here . It gives detailed information about your first year of study.

SUMMER WORKING TASK INFORMATION
Completion Date: First Lesson Week Commencing 9/9/24
<p>This pack will help you make the best possible start to studying this subject. The tasks in this pack should take you about 4-6 hours to complete.</p> <p>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.</p>

SUMMER WORKING TASK	
Skills Focus	
Task 1	<ul style="list-style-type: none"> ● Follow this link to sign-up and register to the Ada Computer Science web site. ● Enter the code FBQLUN to create a teacher connection and join the class group called 'Year 1 (2024/25)'. ● On your new account profile under the 'Show me content for' section, set the exam board to AQA.
Task 2	<ul style="list-style-type: none"> ● Log-in to your new Ada Computer Science account. ● Complete the 12 assignments I have set for you. If you have any issues completing any of the questions, please follow the hints provided. These links will link you to important background information about that topic.

RECOMMENDED READING/WATCH LIST	
Book	Ada Computer Science
Video	Computerphile , Crash Course Computer Science