

A-Level Computer Science

Summer Task

Although not required, it would be beneficial to have some understanding of the Python programming language prior to the start of the course. This can be just the basics, but if you are already programming in Python, then there are some extension options if you want a challenge.

If you have never used Python and/or have little programming experience, then try one or more of the projects provided here – they do not require you to install anything on your computer:

https://www.w3schools.com/python/python_challenges.asp

1 [Projects | Computer coding for kids and teens | Raspberry Pi](#)

2 [Projects | Computer coding for kids and teens | Raspberry Pi](#)

If you want to practise your own programming ideas, you can use web-based editors like this one (a Google search will find other online tools you can also try):

[Python Online Compiler & Interpreter](#)

Advanced

If you want, you can always install Python and an IDE (Integrated Development Environment) like Visual Studio Code, but this is more advanced and not immediately required – only do if you already are confident at programming or want to jump in at the deep end. Note: you will need administrator rights on any machine you wish to install such tools.

You can find the downloads here:

[Download Python | Python.org](#)

[Visual Studio Code - The open source AI code editor | Your home for multi-agent development](#)

Happy coding!