

<p>Subject:</p>	<p>Computer Science</p>
<p>Subject Context:</p>	<p>Students need to take the A Level Computer Science course before they go to university and study a computing-related subject. It teaches computing fundamentals, including how to write code using languages like C#, C++, Python or Java. Students learn how computers work, including hardware and software, and how data is stored and used. The course covers how computers connect and communicate over networks and internet security. It also looks at how to develop software from start to finish. In practical skills, students learn about the theory behind computing. This course prepares students for further studies or careers in computer science.</p>
<p>Reading List:</p>	<ul style="list-style-type: none"> • https://www.mooict.com/ • https://isaacomputerscience.org/topics/a_level?examBoard=all&stage=all#ocr • https://www.w3schools.com/cs/index.php • https://www.codewars.com/ • https://student.craigndave.org/ • https://student.craigndave.org/h046-h446 • https://adacomputerscience.org/ • https://www.physicsandmathstutor.com/computer-science-revision/a-level-ocr/ • https://www.savemyexams.com/a-level/computer-science/ • https://github.com/
<p>Essential resources or equipment required for the course:</p>	<ul style="list-style-type: none"> • Visual Studio • Visual Studio Code • C# Console Programming • GitHub • ZigZag • PG Online
<p>Taster Activity:</p>	<p style="text-align: center;"><u>Programming task – may change.</u> <u>Currency Converter</u></p> <p>Required Knowledge: Data Types, String Concatenation</p> <p>Create a currency converter program in C#. The program should convert from pounds to 5 other currencies and show the converted amount.</p> <p>Requirements</p> <ul style="list-style-type: none"> • Ask the user for the original amount. • Ask the user for which currency to convert to. • Display the converted amount. <p>Evidence the program with a screenshot of the program output and also your code.</p>

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<p>Resources needed to complete the activity:</p>	<p>Access to the internet</p>
<p>Estimated time required to complete the activity:</p>	<p>1 hour</p>
<p>How you could extend your learning:</p>	<p>Research your possible future careers after studying Computer Science using the Prospects website: https://www.prospects.ac.uk/careers-advice/what-can-i-do-with-my-degree/computer-science</p>