



# Year 8 Computing Summer Support

## 2021

### Computer Science

<b>Advice and support for all Year 8 students</b> <b>Regular independent study will aid the recall of knowledge and enhance your skills to ensure targets are met next year</b>	<b>Tick when complete</b>
<ul style="list-style-type: none"> <li>Complete the Computer Science summer revision booklet.</li> <li>Identify different features and functions of a spreadsheet</li> <li>Identify and explain the purpose of five different internal computer components</li> <li>Explain how the internet works with clients and servers</li> <li>Describe what HTML is and know the use of different HTML tags</li> <li>Coding using Microbit</li> </ul>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

### Internet websites and apps for study support

<ul style="list-style-type: none"> <li><b>BBC Bitesize KS3 Computer Science</b> <ul style="list-style-type: none"> <li>What is Internet? -</li> <li>Spreadsheet -</li> <li>Hardware and software -</li> </ul> </li> <li><b>Microbit app installed on iPad</b></li> <li><b>Download the Pyto app onto your iPad (to practice writing code in Python)</b></li> </ul>
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Study areas to practise or complete	Where to find the information to revise	Tick when complete
<b>Data handling using spreadsheet</b> - Writing correct formula - Using in-built functions - Formatting spreadsheet	<a href="https://www.bbc.co.uk/bitesize/guides/zdydmp3/revision/1">https://www.bbc.co.uk/bitesize/guides/zdydmp3/revision/1</a>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>Computer components</b> - Correctly identify and explain at least five internal computer components and how they work	<a href="https://www.bbc.co.uk/bitesize/topics/zmpsgk7">https://www.bbc.co.uk/bitesize/topics/zmpsgk7</a>	<input type="checkbox"/>
<b>Internet and WWW</b> - Explain the purpose of clients and servers in a network	<a href="https://www.bbc.co.uk/bitesize/guides/z8nk87h/revision/1">https://www.bbc.co.uk/bitesize/guides/z8nk87h/revision/1</a>	<input type="checkbox"/>
Key skills to practise	Where to find support on how to practise	Tick when complete
<b>Working with Microbit app</b> <b>Learning Python</b>	<a href="https://microbit.org/">https://microbit.org/</a> <a href="https://www.w3schools.com/python/">https://www.w3schools.com/python/</a>	<input type="checkbox"/>
- Write code in Microbit app and run in the app emulator - Practice writing simple programs in Python	<a href="https://microbit.org/code/">https://microbit.org/code/</a> <a href="https://www.w3schools.com/python/">https://www.w3schools.com/python/</a>	<input type="checkbox"/>