



# Year 7 Computing Summer Support 2021

## Computer Science

<b>Advice and support for all Year 7 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 and explain purpose of five different computer input and output devices</li> <li>Identify and explain the purpose of five different internal computer components</li> <li>Explain each cycle of the Fetch-Decode-Execute cycle</li> <li>Coding using Microbit</li> </ul>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

### Internet websites and apps for study support

- BBC Bitesize KS3 Computer Science
- Microbit app installed on iPad

Study areas to practise or complete	Where to find the information to revise	Tick when complete
<b>Computer components</b>	<a href="https://www.bbc.co.uk/bitesize/topics/zmpsgk7">https://www.bbc.co.uk/bitesize/topics/zmpsgk7</a>	<input type="checkbox"/>
- FDE cycle	<a href="https://www.bbc.co.uk/bitesize/guides/zws8d2p/revision/1">https://www.bbc.co.uk/bitesize/guides/zws8d2p/revision/1</a>	<input type="checkbox"/>
- Correctly identify and explain at least five internal computer components and how they work	<a href="https://www.bbc.co.uk/bitesize/guides/zxb72hv/revision/1">https://www.bbc.co.uk/bitesize/guides/zxb72hv/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"/>