

Curriculum Area: Year 8 Computing

2017/2018

Topics	Year Curriculum	How you can support learning at home, eg. books, websites, family learning through visits
<p>Use Boolean logic – AND, OR, NOT – in programming.</p> <p>Understand at least one key sort.</p> <p>You can understand an algorithm that reflect computational thinking.</p>	AP1	<p>Computer Science Website from BBC introduces the topics which we will be covering in Y7.</p> <p>Please encourage your students to understand the main elements.</p> <p>http://www.bbc.co.uk/education/subjects/z34k7ty</p>
<p>Understand why a CPU converts everything to binary.</p> <p>Convert binary number to denary numbers.</p> <p>Convert denary numbers to binary.</p> <p>Add binary numbers together.</p>	AP2	<p>Computer Science Website from BBC introduces the topics which we will be covering in Y7.</p> <p>Please encourage your students to understand the main elements.</p> <p>http://www.bbc.co.uk/education/subjects/z34k7ty</p>
<p>Explain how text can be displayed as binary.</p> <p>Convert letters to binary.</p> <p>Explain how pictures can be manipulated digitally in the form of binary digits.</p>	AP3	<p>Computer Science Website from BBC introduces the topics which we will be covering in Y7.</p>



		<p>Please encourage your students to understand the main elements.</p> <p>http://www.bbc.co.uk/education/subjects/z34k7ty</p>
<p>Explain how instructions are stored by computer systems.</p> <p>Understand the difference between application and system software.</p> <p>Understand what open/ closed source software is.</p>	AP4	<p>Computer Science Website from BBC introduces the topics which we will be covering in Y7.</p> <p>Please encourage your students to understand the main elements.</p> <p>http://www.bbc.co.uk/education/subjects/z34k7ty</p>
<p>Explain how legislation such as that for data protection and computer misuse affect their online serves.</p> <p>Explain how legislation such as copyright affect their online services.</p>	AP5	<p>Computer Science Website from BBC introduces the topics which we will be covering in Y7.</p> <p>Please encourage your students to understand the main elements.</p> <p>http://www.bbc.co.uk/education/subjects/z34k7ty</p>
<p>You can explain their selection of multiple applications/tools when developing digital artefacts for a given audience.</p> <p>You can explain different types of data.</p> <p>You can explain how data types are used within programming.</p>	AP6	<p>Computer Science Website from BBC introduces the topics which we will be covering in Y7.</p> <p>Please encourage your students to understand the main elements.</p> <p>http://www.bbc.co.uk/education/subjects/z34k7ty</p>