

Computer curriculum

Year	Term 1	Term 2	Term 3
7	<p>All about Me</p> <p>Computer science- begin to understand that computers need clear set of instructions</p> <p>Information Technology - Use technology purposefully to create digital content.</p> <p>Digital Literacy - Keep personal information private.</p>	<p>All about my school</p> <p>Computer science - Understand what algorithms are through the use of instructions/actions.</p> <p>Information Technology Use technology purposefully to store digital content.</p> <p>Digital Literacy - Recognise common uses of information technology beyond school</p>	<p>The Local Area</p> <p>Computer science - Learn how simple programs are designed on computer.</p> <p>Information Technology - Use technology purposefully to retrieve digital content.</p> <p>Digital Literacy - Identify where to go for help and support when concerned about online safety issues.</p>
8	<p>Likes and Dislikes</p> <p>Computer science - Gain an understanding of how algorithms are executed as programs in computers.</p> <p>Information Technology - Use technology purposefully to organise and manipulate digital content.</p> <p>Digital Literacy - Identify where to go for help and support when concerned about digital content</p>	<p>Family</p> <p>Computer science - Understand that algorithms are executed as programs in computers, which follow precise instructions.</p> <p>Information Technology - Use technology purposefully to organise and manipulate digital content.</p> <p>Digital Literacy - Identify a range of ways to report concerns about contact.</p>	<p>Our Community</p> <p>Computer science - Demonstrate that because algorithms follow precise instructions, care must be taken to avoid errors.</p> <p>Information Technology - Use technology purposefully to organise and manipulate digital content.</p> <p>Digital Literacy - Recognise acceptable and unacceptable behaviour when online or using a range of digital devices.</p>
9	<p>Media and me</p> <p>Computer science - Understand that algorithms are implemented as programs on digital devices.</p> <p>Information Technology - Use search technology effectively.</p> <p>Digital Literacy Understand the opportunities computers and networks offer for communication.-</p>	<p>People and Places</p> <p>Computer science - Begin to express algorithms</p> <p>Information Technology - Use collected information to design and create content for a given purpose.</p> <p>Digital Literacy - Find, evaluate, manage and share information.</p>	<p>Technology and me</p> <p>Computer science - Design simple algorithms symbolically with loops.</p> <p>Information Technology - Present information to others.</p> <p>Use a variety of software to accomplish given goals.</p> <p>Digital Literacy - Develop an awareness of personal online identity</p>

<p>10</p>	<p>Technology at Home Computer science - Understand that devices respond to commands. Information Technology - Use technology with increasing independence to purposefully organise digital content. Digital Literacy - Gain skills to navigate the World Wide Web and carry out web searches successfully.</p>	<p>Using Computing in school Computer science - Begin to understand how a computer processes instructions and commands. Information Technology - Collect, organise and present data and information in digital content. Digital Literacy - Develop their understanding of the internet while recognising acceptable and unacceptable behaviour when using technologies and online services.</p>	<p>Using Computing beyond school Computer science - Understand that devices or on screen objects are controlled by sequences of instructions or actions, and that these can be inputted using icons or by text. Information Technology - Learn to make judgements about digital content when evaluating and repurposing it for a given audience. Digital Literacy - Communicate with a wider audience using software and internet services.</p>
<p>11</p>	<p>The way things work Computer science Continue to develop their understanding of how a computer processes instructions and commands.- Information Technology - Use a variety of software to manipulate and present digital content: data and information. Digital Literacy - Understand that a range of digital devices can be considered a computer.</p>	<p>Future Technology Computer science - Create their own sequences of instructions to control programmable devices with support. Information Technology - Share their experiences of technology in school and beyond the classroom. Digital Literacy - Recognise and use a range of input and output devices.</p>	<p>Computing and Sport Computer science - Create, edit and refine sequences of instructions for a variety of programmable devices. Information Technology - Begin to consider the ethical issues surrounding the application of information technology beyond school. Digital Literacy - Develop a basic understanding of a typical computer system.</p>