

Subject : Computing

SKILLS THEME	Year 1 skills and/or concept	Year 2 skills and/or concept	Year 3 skills and/or concept	Year 4 skills and/or concept	Year 5 skills and/or concept	Year 6 skills and/or concept
Computer Science	<p>I am beginning to understand what algorithms are.</p> <p>I am beginning to use algorithms and apply them on digital devices.</p> <p>I am beginning to understand that programs execute by following sets of instructions.</p> <p>I am beginning to understand how to create and debug simple programs</p> <p>I am beginning to use logical reasoning to predict the behaviour of simple programs</p>	<p>I understand what algorithms and how they are implemented as programs on digital devices.</p> <p>I understand that programs perform by following precise and definite instructions</p> <p>I understand how to create and debug simple programs</p> <p>I can use logical reasoning to predict the behaviour of simple programs</p>	<p>I can design, write and debug programs that accomplish specific goals.</p> <p>I can solve problems by decomposing them into smaller parts.</p> <p>I can use sequence, selection and repetition in programs.</p> <p>I can use logical reasoning to explain how some simple algorithms work .</p> <p>I can detect and correct errors in algorithms and programs.</p>	<p>Year 4 to ensure all coverage of this strand has been completed from previous years</p>	<p>I can understand computer networks including the internet.</p> <p>I know how they provide multiple services, such as the world wide web.</p> <p>I can design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems.</p> <p>I can use sequence, selection and repetition in programs.</p> <p>I can work with variables and various forms of input and output.</p> <p>I can detect errors in algorithms and programs.</p>	<p>I can understand computer networks including the internet.</p> <p>I know how they provide multiple services, such as the World Wide Web.</p> <p>I can solve problems by decomposing them into smaller parts.</p> <p>I can use sequence, selection and repetition in programs.</p> <p>I can work with variables and various forms of input and output.</p> <p>I can design, write and debug programs that accomplish specific goals.</p> <p>I can use logical reasoning to explain how some simple algorithms work.</p> <p>I can detect and correct errors in algorithms and programs.</p>

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<p>Information Technology</p>	<p>I am beginning to use technology to create, organise, store , manipulate and retrieve digital content.</p>	<p>I can use technology to create, organise, store , manipulate and retrieve digital content.</p>	<p>I can use search technologies effectively.</p> <p>I can select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information .</p>	<p>I can use search technologies effectively.</p> <p>I can select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p>	<p>I can use search technologies effectively.</p> <p>I can collect, analyse evaluate and present data and information.</p> <p>I can select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information .</p>	<p>I can use search technologies effectively and be discerning in evaluating digital content.</p> <p>I can select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information .</p>
<p>Digital Literacy</p>	<p>I am beginning to recognise common uses of IT beyond school</p> <p>I am beginning to use technology safely and respectfully.</p> <p>I am beginning to understand the importance of keeping information private.</p> <p>I understand who to tell or where to get help when I see something I don't like on the internet or through other technologies.</p>	<p>I can recognise common uses of IT beyond school</p> <p>I can use technology safely and respectfully.</p> <p>I understand the importance of keeping information private.</p> <p>I understand who to tell or where to get help when I see something I don't like on the internet or through other technologies.</p>	<p>I understand the opportunities [networks] offer for communication and collaboration.</p> <p>I am able to be discerning in evaluating digital content.</p> <p>I can use technology safely, respectfully and responsibly; recognise acceptable/ unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p>	<p>I understand the opportunities [networks] offer for communication and collaboration.</p> <p>I am able to be discerning in evaluating digital content.</p> <p>I can use technology safely, respectfully and responsibly; recognise acceptable unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p>	<p>I understand the www and the opportunities it offers for communication and collaboration.</p> <p>I am able to be discerning in evaluating digital content.</p> <p>I can use technology safely, responsibly and securely.</p>	<p>I understand the www and the opportunities it offers for communication and collaboration.</p> <p>I am able to be discerning in evaluating digital content.</p> <p>I can use technology safely, responsibly and securely.</p>