



END OF KS3 EXPECTATIONS FOR COMPUTING

KS3	Computer Science	Information Technology	Digital Literacy
<p>Transfer knowledge and skills</p>	<ul style="list-style-type: none"> To produce a program with the use of selection and iteration, variables for a range of scenarios and be able to detect and correct errors. To be able to apply simple Boolean logic, AND/OR/NOT to achieve the desired results. To be able to demonstrate an understanding how computer use binary (e.g. number conversions, storing sound or images) 	<ul style="list-style-type: none"> Be able to justify the need for a range of hardware and software components. To undertake a creative project for a given audience that involves combining multiple applications including creating digital artefacts. To be able to analyse data in a spreadsheet using advanced formulae and presented information in a graphical format e.g. pivot tables or charts. 	<ul style="list-style-type: none"> To have knowledge of using technology safely and securely, protecting online identity and privacy and knowledge of how to protect concerns Be able to explain a range of techniques to create a secure password. Send and receive email and use various other online communication tools effectively. Use cloud technology safely, effectively and collaboratively.
<p>Deep knowledge and skills</p>	<ul style="list-style-type: none"> To produce a basic program with the use of selection and iteration and be able to identify errors within the code. To be able to apply Boolean logic to a scenario. Have a knowledge of how computer use binary (e.g. number conversions, storing sound or images) 	<ul style="list-style-type: none"> Be able to explain the purpose of a range of hardware and software components. To undertake a creative project for a given audience that involves combining applications including and some digital artefacts To be able to manipulate data in a spreadsheet using formula and functions and present information in a graphical format of graphs/charts 	<ul style="list-style-type: none"> To be able to discuss online etiquette Be able to create a secure password which incorporates a range of techniques. Send and receive email and use other online communication tools. Use cloud technology safely and effectively.
<p>Surface knowledge and skills</p>	<ul style="list-style-type: none"> To use produce a sequence of instructions e.g. flow charts, algorithms, create a basic programs with inputs and outputs. To have some knowledge of Boolean logic. Have a basic understanding of how computer use binary (e.g. number conversions, storing sound or images) 	<ul style="list-style-type: none"> Be able to identify a range of hardware and software components. To be able to use an application or two to create a project for a given audience To be able to manipulate data in a spreadsheet using basic formula and present information in a graphical format of graphs/charts 	<ul style="list-style-type: none"> To be aware of the dangers of the internet. Be able to create a strong password Send and receive email. Use cloud technology safely.