

Computing



<p>Key Stage 1 Y1 Autumn</p>	<p>Vocabulary: log on, log off, password, username, search engine, website, internet, return key, shift key, cursor, algorithm, program, click, double-click, drag, drop,</p>		<p>National Curriculum reference</p> <p>Pupils should be taught to:</p> <ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content 				
<p>Resources and links</p> <p>www.stem.org.uk</p> <p>https://www.barefootcomputing.org</p> <p>http://primarygamesarena.com/Subjects/ICT</p> <p>http://flash.topmarks.co.uk/5011</p>	<p>What we want children to know:</p>		<ul style="list-style-type: none"> recognise common uses of information technology beyond school understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions create and debug simple programs use logical reasoning to predict the behaviour of simple programs 				
<table border="1"> <thead> <tr> <th data-bbox="407 399 837 478">Reflecting (Unplugged Teaching)</th> </tr> </thead> <tbody> <tr> <td data-bbox="407 478 837 1398"> <ul style="list-style-type: none"> identify different forms of technology – What is technology? What is a computer? What is the internet? recognise what makes technology 'technology' recognise the uses and features of information technology <ul style="list-style-type: none"> at home at school in the wider world show how to use technology safely <ul style="list-style-type: none"> at home at school Know that some things are real and some things are made up on the Internet Recognise devices that will help us to go online Know that their own information is our name, our age and where we live Know when something is accessed that is not right and say who they should tell </td> </tr> </tbody> </table>		Reflecting (Unplugged Teaching)	<ul style="list-style-type: none"> identify different forms of technology – What is technology? What is a computer? What is the internet? recognise what makes technology 'technology' recognise the uses and features of information technology <ul style="list-style-type: none"> at home at school in the wider world show how to use technology safely <ul style="list-style-type: none"> at home at school Know that some things are real and some things are made up on the Internet Recognise devices that will help us to go online Know that their own information is our name, our age and where we live Know when something is accessed that is not right and say who they should tell 	<table border="1"> <thead> <tr> <th data-bbox="869 399 1142 478">Coding</th> </tr> </thead> <tbody> <tr> <td data-bbox="869 478 1142 1398"> <p>Sequence:</p> <ul style="list-style-type: none"> with friend, Beebot, abstract Write code and give instructions verbally to complete a task Find ways to make code shorter and simpler (using loops) to complete a specified task Create images and patterns using loops in code Create a game using different commands linked to symbols to achieve a simple purpose Program Beebots to follow a specific path </td> </tr> </tbody> </table>	Coding	<p>Sequence:</p> <ul style="list-style-type: none"> with friend, Beebot, abstract Write code and give instructions verbally to complete a task Find ways to make code shorter and simpler (using loops) to complete a specified task Create images and patterns using loops in code Create a game using different commands linked to symbols to achieve a simple purpose Program Beebots to follow a specific path 	<div data-bbox="1220 414 1769 821"> </div> <div data-bbox="1176 853 1814 981"> </div> <div data-bbox="1176 1005 1814 1316"> <p>Designing</p> <p>Cross-Curricular Links – History</p> <ul style="list-style-type: none"> Research and design information leaflets detailing history knowledge <p>Cross-Curricular Links – Science</p> <ul style="list-style-type: none"> Using ICT to record and create simple graphs. </div>
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