



Computing

| | Computer Science |
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| EYFS 3-4 Year olds | |
| EYFS ELG | |
| National Curriculum | <p>Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.</p> <p>Create and debug simple programs.</p> <p>Use logical reasoning to predict the behaviour of simple programs.</p> |
| | Computer Science |
| EYFS 3-4 Year olds | <p>Know that pressing buttons makes things happen on technology.</p> |
| Reception statements | <p>Know that iPads, computers, telephones are technology.</p> <p>Know that pressing a particular app icon will open a particular app/program.</p> <p>Know that pressing buttons on a Beebot will make it move.</p> <p>Know that different buttons make the Beebot move in different ways.</p> |

| Year 1 Programming A – Moving a Robot | Year 2 Programming A – Robot algorithms |
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| <p>Know that an algorithm is a set of clear, precise and ordered instructions.</p> <p>Know that there are command buttons that can make a Beebot move forward, backward, left and right.</p> <p>Know that the Beebot is programmed using an algorithm.</p> <p>To use what they have learnt to predict the outcome of the program.</p> <p>Know that a range of information can be encountered online and understand that we can talk to trusted adults if we feel sad or worried about something we have seen.</p> | <p>Know that instructions need to be in the correct sequence.</p> <p>Know how to make decisions using logical reasoning to predict what will happen.</p> <p>Know that artwork can be used in a program and know how to design their own and test them in their program.</p> <p>Know that the process of finding and fixing errors in their algorithms and programs is known as debugging.</p> <p>Know that copyright and ownership mean that work created by a person is owned by them and cannot be copied without permission.</p> <p>Know that avatars are a way that people can look different online.</p> <p>Know how to get help if using apps, playing online games or using websites has made you feel sad, worried or frightened.</p> |