

Objectives

Lesson	Title	National Curriculum Links	Objectives	Success Criteria
1.2.1	iRobot	<ul style="list-style-type: none"> * understand what algorithms are; how they are how implemented as programs on digital devices * recognise common uses of information technology beyond school 	<ul style="list-style-type: none"> * To understand that algorithms are implemented as programs on a range of digital devices 	<ul style="list-style-type: none"> * The children can identify everyday devices that perform an action in response to an instruction
1.2.2	iControl	<ul style="list-style-type: none"> * understand that programs execute by following precise and unambiguous instructions * use logical reasoning to predict the behaviour of simple programs * create and debug simple programs 	<ul style="list-style-type: none"> * To give instructions to a programmable toy 	<ul style="list-style-type: none"> * The children can guide a programmable toy to where they want it to go
1.2.3	iPlan	<ul style="list-style-type: none"> * understand that programs execute by following precise and unambiguous instructions * create and debug simple programs 	<ul style="list-style-type: none"> * To plan a simple algorithm to that controls a toy 	<ul style="list-style-type: none"> * The children can plan, test and amend a sequence of instructions that moves a programmable toy
1.2.4	iProgram	<ul style="list-style-type: none"> * understand that programs execute by following precise and unambiguous instructions * use logical reasoning to predict the behaviour of simple programs * create and debug simple programs * use technology purposefully to create, organise, store, manipulate and retrieve digital content 	<ul style="list-style-type: none"> * To program a virtual object to move to on-screen objects 	<ul style="list-style-type: none"> * The children make predictions about where an object will be after executing an algorithm
1.2.5	iHunt	<ul style="list-style-type: none"> * understand that programs execute by following precise and unambiguous instructions * use logical reasoning to predict the behaviour of simple programs * create and debug simple programs 	<ul style="list-style-type: none"> * To record a sequence of instructions in a common format 	<ul style="list-style-type: none"> * The children produce a clear set of instructions for others to follow. * The children can follow a set of instructions provided by others