

Edbot Advanced

Name: _____

Class: _____

Assessment Objective	Foundation Essentials	Mainstream Learners	Extended Experts
A.O.1 Recap the basics	<ul style="list-style-type: none"> <input type="checkbox"/> I can explain what is meant by the term “humanoid robot” <input type="checkbox"/> I can control Edbot with simple commands 	<ul style="list-style-type: none"> <input type="checkbox"/> I can make Edbot’s servo lights change colour <input type="checkbox"/> I can add script to separate sprites to allow Edbot to be controlled by clicking on the sprites 	<ul style="list-style-type: none"> <input type="checkbox"/> I can explain the difference between a forever and a repeat loop
A.O.2 Questions and blocks	<ul style="list-style-type: none"> <input type="checkbox"/> I can write a program and use the user’s answers in my programming <input type="checkbox"/> I can use loops and if statements in my programming 	<ul style="list-style-type: none"> <input type="checkbox"/> I can create my own blocks of script to be used in my programs 	<ul style="list-style-type: none"> <input type="checkbox"/> I can explain why it is necessary to sometimes create my own blocks of script
A.O.3 Variables	<ul style="list-style-type: none"> <input type="checkbox"/> I can explain what a variable is used for 	<ul style="list-style-type: none"> <input type="checkbox"/> I can switch servo motors on and off <input type="checkbox"/> I can manipulate parts of Edbot and save the servo positions as a variable 	<ul style="list-style-type: none"> <input type="checkbox"/> I can use variables and mathematical operators to work out the average of 3 numbers entered
A.O.4 Lists	<ul style="list-style-type: none"> <input type="checkbox"/> I can explain the difference between a variable and a list 	<ul style="list-style-type: none"> <input type="checkbox"/> I can create lists and enter data onto a list 	<ul style="list-style-type: none"> <input type="checkbox"/> I can store a list of commands in the form of a list that Edbot can play back
A.O.5 Servo manipulation	<ul style="list-style-type: none"> <input type="checkbox"/> I know how to change multiple servo light colours in a single line of code 	<ul style="list-style-type: none"> <input type="checkbox"/> I can manipulate the position of servos using complex commands <input type="checkbox"/> I can alter the speed at which the servos move 	<ul style="list-style-type: none"> <input type="checkbox"/> I can make Edbot move into different poses that are not in the standard library of motions
A.O.6 Summary	<ul style="list-style-type: none"> <input type="checkbox"/> I can create a detailed program and make an attempt at solving some of my programming errors myself 	<ul style="list-style-type: none"> <input type="checkbox"/> I can create a detailed working solution to a programming problem and solve many of the programming errors myself 	<ul style="list-style-type: none"> <input type="checkbox"/> I can complete a complex working program that includes the extension activities and solve most or all of my programming errors myself