App Lab Knowledge Organiser



Toolbox

Canvas

Turtle

Math

Functions

Functions

Allows you to build your

own functions to run

certain pieces of code.

UI Controls

Anything that involves showing/displaying any item on the screen is going to be here.

Data

Allows you to save data to a Database and get data from a Database.

Control

Allows you to use blacks such as IF statements or loop to control the flow of your program.

Canvas

Allows you to put a canvas on the screen and add various objects to it.

Turtle

Allows you to put a turtle on the screen to draw lines, and create shapes and turn.

Math

Allows you to add all of your basic Maths functions to your program.

Design Elements



Label

Radio Button Checkbox



Canvas



Image

Text Area

Dropdown

What is event-driven programming?

Event-driven programming is an approach to programming in which code is written to respond to events. Events can be triggered by users, such as clicking on a button or entering some text. In automated systems, sensors can be used to detect events such as when a particular temperature is reached in a glasshouse or a specific water level is detected on a flood defence system.

Drop down boxes are usually followed by the 'change' event.

Buttons are usually followed by the 'click' event.

onEvent(▼"checkAnswer", ▼"click", runction(

if (getChecked("radio_button4")) {

setScreen(▼"correctScreen");
} else {

setScreen(▼"wrongScreen");
} set
the

0

UI controls

Data

Variables

Allows you to set

variables or read

variables.

Control

Variables

IF statements can help set conditions to tell the program what to do.

onEvent(▼"DropdownDoctor", ▼"change", function() {

if (getText(▼"DropdownDoctor") == "David Tennent") }

setImageURL(▼"imageDoctor", ▼"david-tennant2.png");
} else {

setImageURL(▼"imageDoctor", ▼"matt-smith2.png");

- +)

);