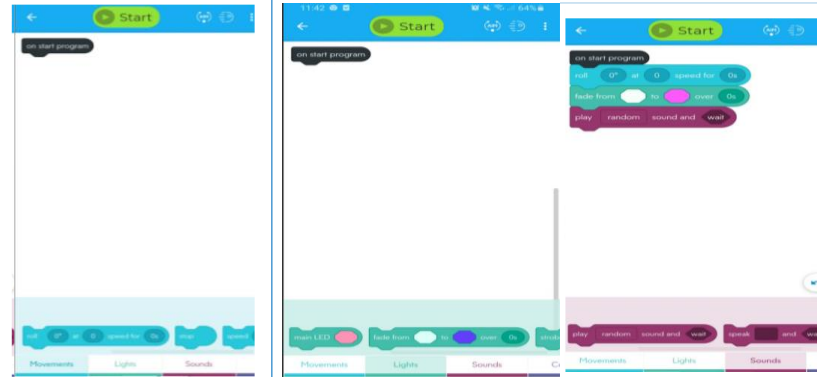


COMPUTER SCIENCE: SPHERO ROBOTS



Sphero robots are called Spheros because they are 'sphere' (or ball shape). They can be driven or coded to move.



-The blue bar is the movement bar. If you put 90 degrees into your movement, the sphero will move a quarter turn. If you put 180 degrees into your movement, the sphero will move a half turn. If you put 270 degrees into your movement, the sphero will move a three quarter turn.

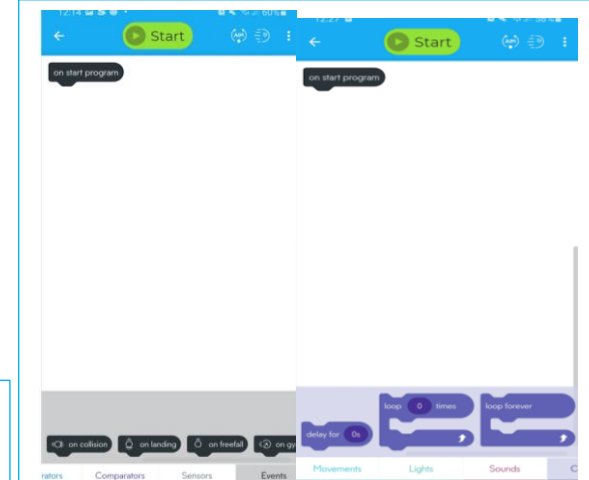
-The green bar changes the colour of your sphero.

-The burgundy bar changes sound. You can record your voice or choose a sound from the list.

-Choose bars for movement, light and sound to add to the 'start program block' and create an **ALGORITHM. Press the green start button.**

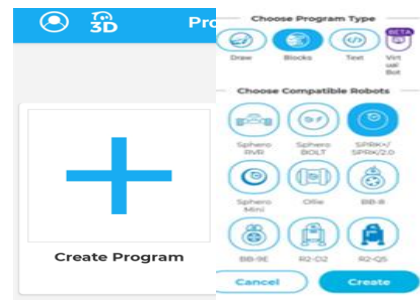
DEBUGGING: When you press start, if your sphero does not do what you want, check and correct the code.

DECOMPOSE: Breaking down a problem into manageable parts.



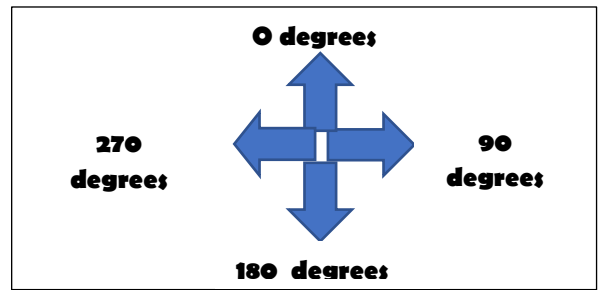
-The events bar allows you to instruct the robot to stop or change command if it hits something.

-The control bar allows you to place blocks within control blocks to repeat commands.



-At home bar, press the 'create code' button.

-Press to create code. Then create.



Important Vocabulary

Algorithm debugging Program Blocks Commands Code Events Motion Sequence Trialling repeat Sensor decompose