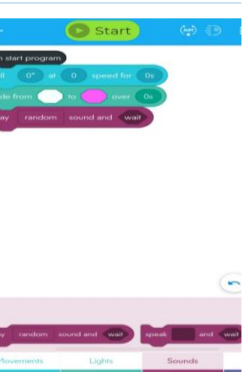
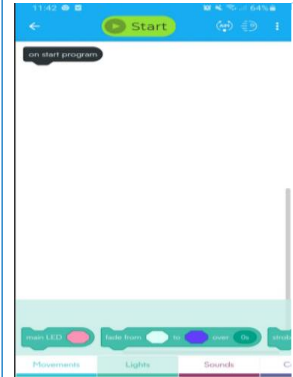
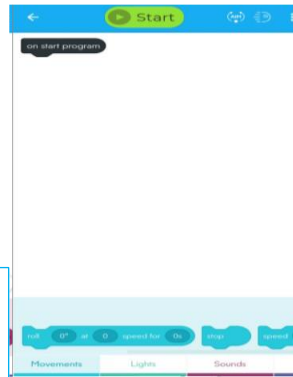


COMPUTER SCIENCE: SPHERO ROBOTS



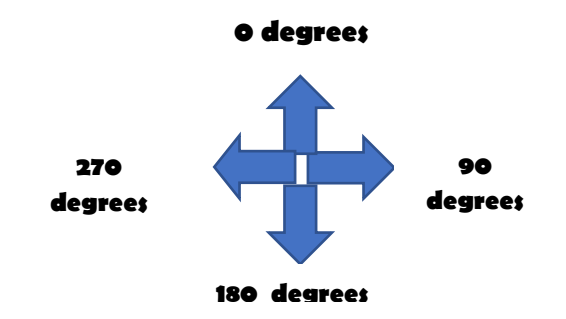
-Create own variable; from the pink tab and function; from the light green like the ones from the other block. Choose variable type from the dropdown list.

-Choose bars from all blocks to create an **ALGORITHM for a purpose.**

- The blue bar is the movement bar.**
- 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.**

-Make your sphero create shapes such as a pentagon by dividing the degrees of a pentagon (540 degrees) by 5 (108 degrees). Start with 108 degrees, then 216 degrees, then 324 degrees, then 432 degrees and finally back to 0.

-Apply these mathematical skills to make the sphero create other shapes, such as a hexagon.



-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. This allows you to LOOP CODE.

Important Vocabulary

Predicting Input; output; devices; Create variable; Algorithm Control Output Symbol Delay Process; Decision Loop Code modify