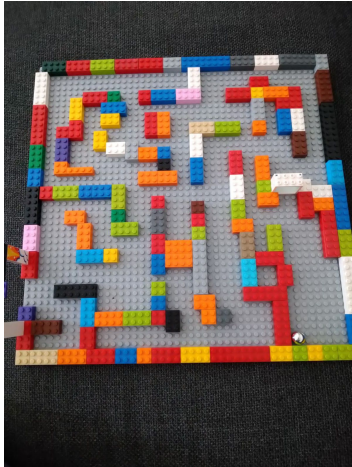


Computing Work from Home Package Year 7 and 8

Coding without the Computer

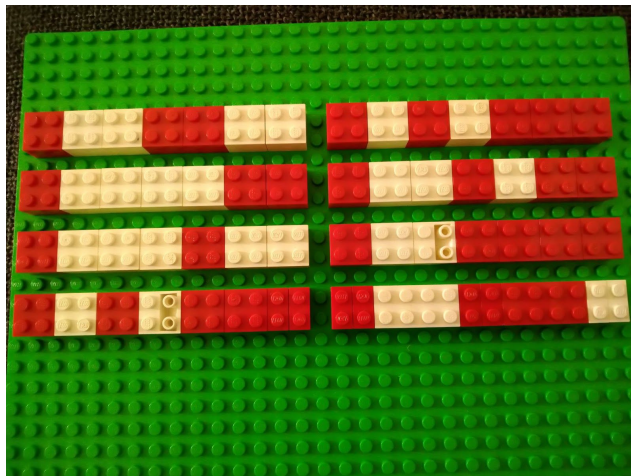
1. Build a maze, place a lego character or something else at the start of your maze and use the python turtle codes of, left, right and forward.
 - a. Remember to turn degrees, like 90.
 - b. Decide how much is a pace forward, perhaps one 4-dot lego square block.
 - c. Or try a life size version with your whole family, using a twister board, some obstacles placed down and a labelled entrance and exit.



2. Is it possible to add to your script any If...Else, or Repeat code to shorten your whole code.
3. Can you use lego blocks/beads/drawn symbols to create a binary sentence? You'll need to decide what will represent your 0s and 1s. I've provided you an image to decode to start you off, 1=red and 0=white, each is a 4 dot square.

ASCII BINARY ALPHABET

A	1000001	N	1001110
B	1000010	O	1001111
C	1000011	P	1010000
D	1000100	Q	1010001
E	1000101	R	1010010
F	1000110	S	1010011
G	1000111	T	1010100
H	1001000	U	1010101
I	1001001	V	1010110
J	1001010	W	1010111
K	1001011	X	1010111
L	1001100	Y	1011001
M	1001101	Z	1011010



You can do these activities with parents or siblings, or even send pictures to friends for them to have a go at. Don't feel pressure to email in this for marking, but I am happy to see any photos if you want to show me your efforts.