Raspberry Pi Scratch Maze Game - Simplified

Tutorial by Andrew Oakley - Public Domain Updated Nov 2017 <u>www.cotswoldjam.org</u>

Cotswold

Getting started



7. Select smaze1 and click OK. A green and blue maze should appear.





You should now be able to move the Smiley left and right, using the left and right arrow keys.

X is a "variable". A variable can hold a number or a word which can change. X measures left and right position.



You should now be able to move the Smiley up and down, using the up and down arrow keys. The Y variable measures up and down position.

The Smiley can now move anywhere around the maze, including through the walls.

We need to add rules:

- To make the Smiley go back to the start if it hits a blue wall
- To say "You win!" if the Smiley reaches the white outline of the exit



To select a colour:



To start a new game:



Click the green flag

What if you make a mistake?



Right-click any block and click "delete"

For teachers / Scout / Guide leaders:

Downloads available from http://www.cotswoldjam.org/downloads/beavers



Note that -O is the capital letter O, not zero.