

## **1: Line Following – Creating the Solution**

Discuss and answer the following questions in your learning journal. Give the game a go to try and figure out some of these answers.

- 1. What sensing blocks are available?**
- 2. What do they measure?**
- 3. What sensors would be required to get this information?**
- 4. What action blocks are available?**
- 5. What do they do?**
- 6. Are there any inputs/parameters to change how it does this?**
- 7. What actuators would be required to perform this action?**

For each of the sensors in question 3 and actuators in question 7, answer the following questions in your learning journal:

- 1. What does this sensor/actuator do?**
- 2. List 3 examples of where we could use this in our situation?**
- 3. Can you explain how it works?** If possible, you might want to draw a diagram to aid your explanation. You could also include mathematical equations to help explain your answer.