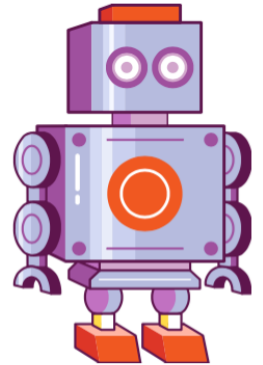




## Robot follows orders

Register/login at <https://scratch.mit.edu>  
Remember to write down your password.

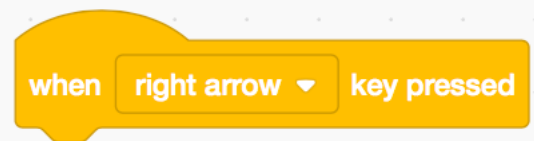


*Order the robot to move up, down, left, right using x and y coordinates.*

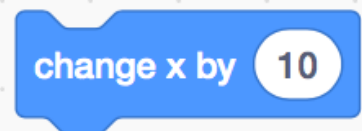
- 1) Create a New Project
- 2) Select a Sprite and Choose a robot costume

- 3) Add an event block,  
**when ... key pressed.**

Select **right arrow** to move right.

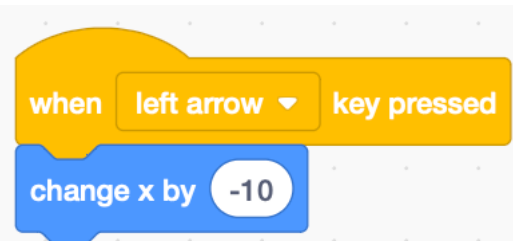


- 4) Choose a motion, **change x**, and add it to the block above.



***Try pressing the right arrow***  
*Horizontal position is the **x axis**,  
**change x** to move horizontally.*

- 5) Add another event block,  
**when ... key pressed.**  
Select **left arrow** to move left.



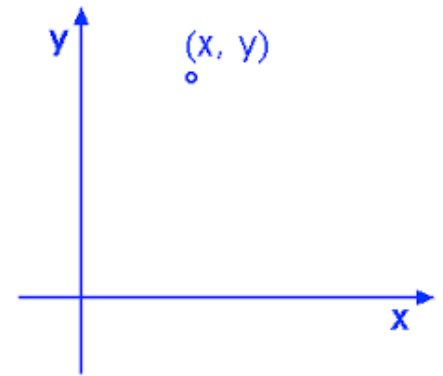
- 6) Add a **change x** block and change the number to **-10**.

## Try pressing the left arrow.

*Increasing  $x$  moves the robot right, decreasing it makes it move left.*

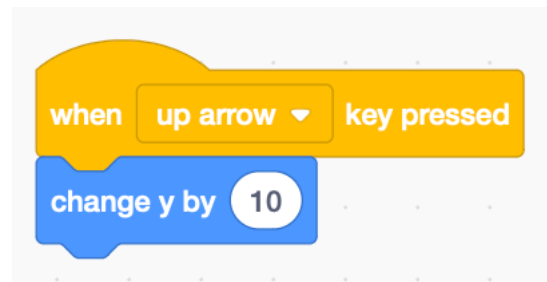
*Can the robot move up and down?*

*Vertical position is the **y axis**. Move the robot up and down by changing  $y$ .*

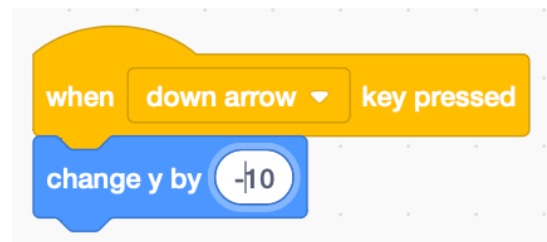


7) Add another **When ... key pressed** event and select **up arrow**.

8) Add **change y by 10**.



9) Finally, we can move down by subtracting 10.



*Where is the **origin**, position 0,0?*

*You can drag the sprite about and check its x,y coordinates to find it.*

**Save** your code with a good name. **File > Save now**