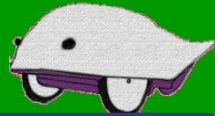# Moving & Stopping!

The finch has **two gear motors** and a **slide caster tail**.

1. Go to the **Motion** area of your Snap Controls Panel and the move bricks.

Motion
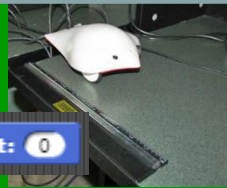
Move Finch Left: 100 **Right:** 100

Stop Finch

Move Finch Left: Right: Sets the power to the left and right wheels. The range is -100 to 100

Stop Finch The motors will run continuously unless this brick is selected Also:
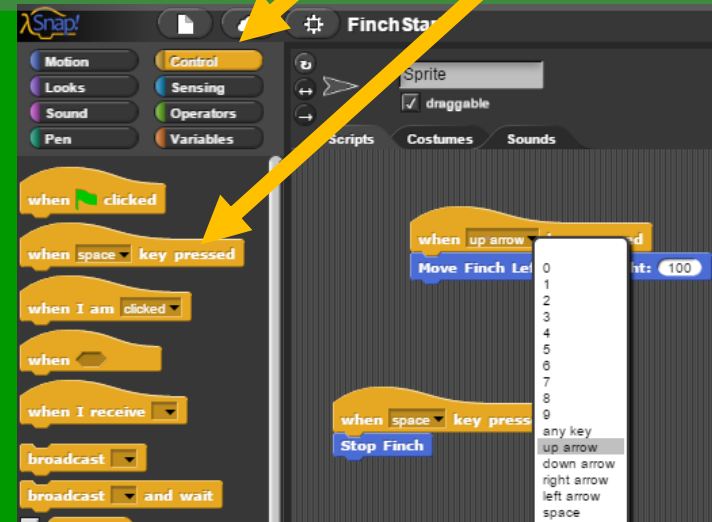
Move Finch Left: 0 **Right:** 0

http://www.finchrobot.com/software/snap

2. Experiment with the different values for turning and speed. Complete the chart below.

Motion	Left:	Right:
forward	100	100
backwards	_____	_____
right	-100	100
left	_____	_____
stop	0	0

The Snap! Window has a **Controls** area for keyboard controls.

Motion | Control
Looks | Sensing
Sound | Operators
Pen | Variables

Sprite
☑ draggable
Scripts Costumes Sounds

when ⚑ clicked

when space ▾ key pressed

when I am clicked ▾

when

when I receive ▾

broadcast ▾

broadcast ▾ and wait

when up arrow
Move Finch Lef...   ht: 100

0
1
2
3
4
5
6
7
8
9
any key
up arrow
down arrow
right arrow
left arrow
space

when space ▾ key press
Stop Finch

4. **Extension Task:** Can program controls for moving using the space key, the up arrow, down arrow, left and right arrow keys?

Make A Card

1. Fold the card in half.

2. Put glue on the back.

3. Cut along the dashed line.