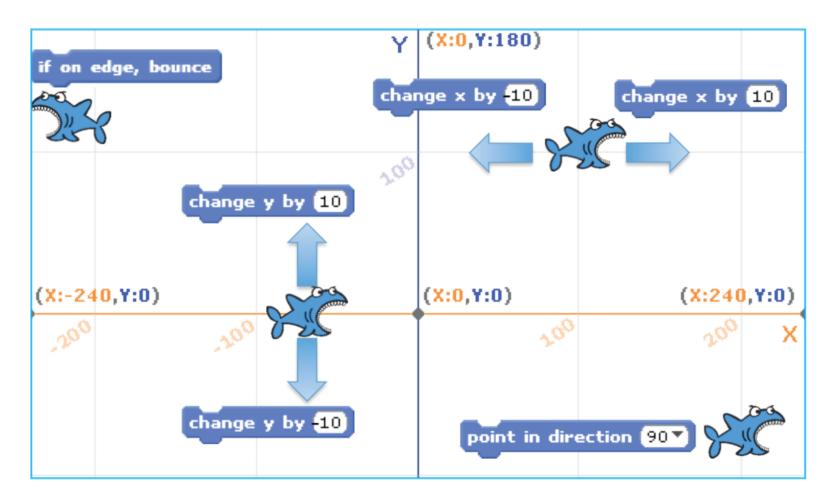
The Screen Grid

This will help you work out where things are on the screen and how the x,y co-ordinates work in some of your Motion commands!



Barclays Digital Eagles

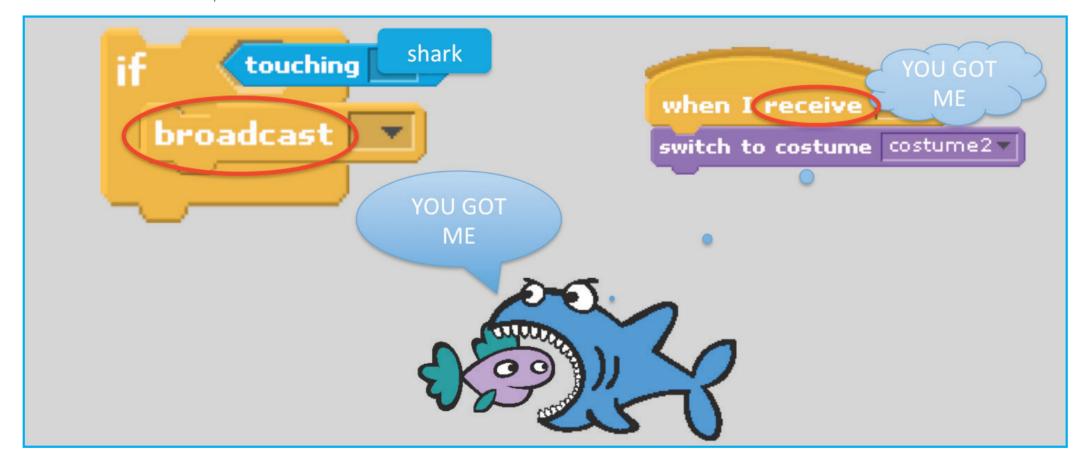




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Broadcast and receive - Sprites 'talking' to each other

This will help you work out how to use the broadcast command to allow one sprite to 'send out' a message which any sprite or scene can 'hear' and respond to!



Barclays Digital Eagles

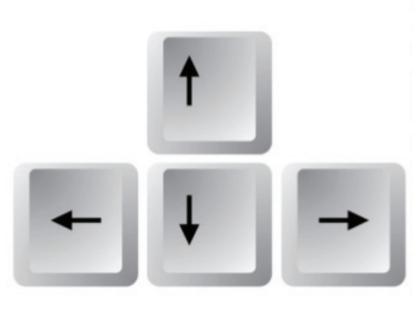
Code Playground powered by CoderDojo



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Controlling Sprites

This will help you work out the different ways to control your sprite – either by pressing the arrow keys or by making your sprite move towards the mouse pointer!







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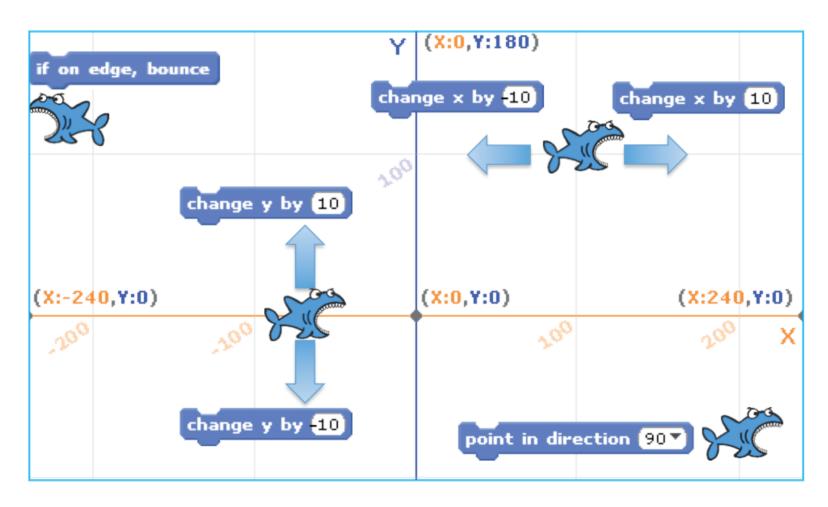


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The Screen Grid

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```
Control
  en space key presse
```

Motion

```
move 10 steps
 rn (* 15) degree
turn 🖹 15 degrees
  int in direction 90▼
  int towards
```

```
go to x: 0 y: 0
glide 1 secs to x: 0 y: 0
```

```
change x by 10
set x to 0
change y by 10
```

```
if on edge, bounce
set rotation style left-right *
```

direction

Sensing

```
touching . ?
 touching color ?
 color 🔚 is touching 🔚
ask What's your name? and wait
answer
mouse x
mouse y
 mouse down?
key space pressed?
distance to
reset timer
timer
 × position ▼ of Sprite1 ▼
loudness
loud?
```

slider sensor value

sensor button pressed 🔻 🤋

Operators

```
pick random 1 to 10
```





```
join hello world
letter 1 of world
length of world
```

```
mod 🕞
round
```

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Looks

```
say Hellot for 2 secs
       Hmm... for 2 secs
 switch costume to costume2
 switch backdrop to backdrop1
 change color effect by 25
  change size by 10
 set size to 100 %
go back 1 layers
backdrop name
```

Variables

```
Make a Variable

✓ Variable

Cloud Variable
     Cloud Variable to 0
 change Cloud Variable by 1
 show variable Cloud Variable
hide variable Cloud Variable
```

Sound

```
play sound pop v
play sound POP until done
stop all sounds
play drum 48 ▼ for 0.2 beats
rest for 0.2 beats
play note 60▼ for 0.5 beats
set instrument to 17
change volume by -10
set volume to 100 9
volume
change tempo by 20
set tempo to 60 bpm
```

Pen

```
clear
pen down
pen up
set pen color to
change pen color by 10
set pen color to 0
change pen shade by 10
set pen shade to [50]
change pen size by 1
set pen size to 1
stamp
```

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