

# TURTLE 101 SQUARE



```
start
forward 100
right 90
forward 100
right 90
forward 100
right 90
forward 100
```

TURTLE BLOCKS  
TURTLE ART  
LOGO

- See if you can make a bigger square.
- Change each angle to 45 degrees. What do you get?
- Can you add to the program to make it a complete shape?

# TURTLE 102 SQUARE SPIRAL

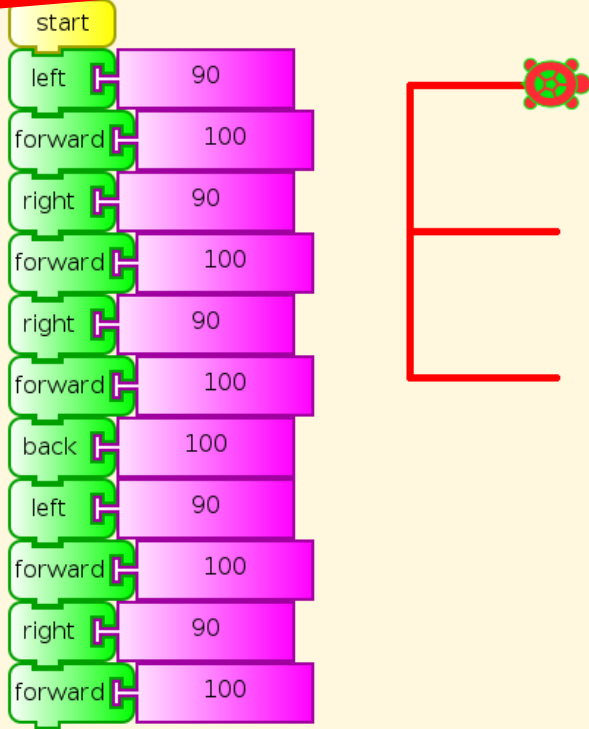
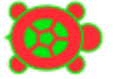


```
start
forward 100
right 90
forward 200
right 90
forward 300
right 90
forward 400
right 90
forward 500
right 90
forward 600
right 90
forward 700
right 90
forward 800
right 90
forward 900
right 90
forward 1000
right 90
```

TURTLE BLOCKS  
TURTLE ART

- Change some of the numbers in the forward commands to see what happens.
- Change the angles to 45 degrees.

# TURTLE 103 LETTER E



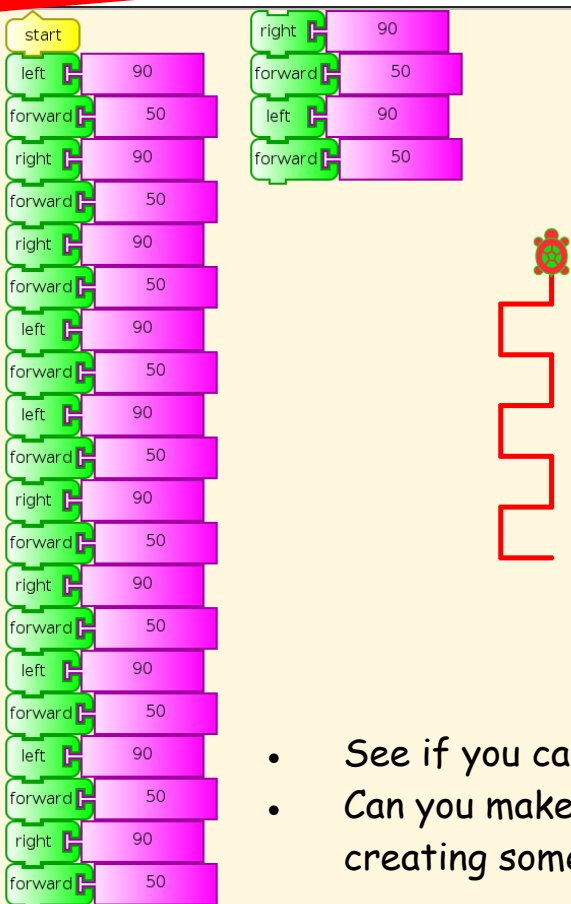
TURTLE BLOCKS

TURTLE ART

LOGO

- See if you can make another letter.
- Try and create an E by starting at the top.
- Try to turn it into a B using the arc command.

# TURTLE 104 ZIG ZAG



TURTLE BLOCKS

TURTLE ART

LOGO

- See if you can make it longer.
- Can you make it Zig Zag back down the screen creating something like a zipper?

# TURTLE 105 LETTER F



TURTLE BLOCKS

TURTLE ART

LOGO

start

- forward 100
- right 90
- forward 100
- back 100
- left 90
- forward 100
- right 90
- forward 100

- See if you can make it become a letter A.
- Make another letter.

# TURTLE 106 CASTLE



TURTLE BLOCKS

TURTLE ART

LOGO

start

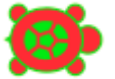
- left 90
- forward 200
- right 90
- forward 250
- right 90
- forward 80
- right 90
- forward 80
- left 90
- forward 80
- left 90
- forward 80
- right 90
- forward 80
- right 90
- forward 80

action 1

- left 90
- forward 80
- left 90
- forward 80
- right 90
- forward 80
- right 90
- forward 250
- right 90
- forward 200

- Can you make the castle bigger, longer or smaller?
- Make a door on the castle.

# TURTLE 107 LETTER A



The code blocks for drawing the letter A are:

- start
- forward 200
- right 90
- forward 150
- right 90
- forward 200
- back 100
- right 90
- forward 150

The diagram shows a red outline of the letter A with a turtle icon at the top-left corner, indicating the starting point of the drawing.

TURTLE BLOCKS

TURTLE ART

LOGO

- Can you make another letter?
- See if you can make another A twice the size of this one.
- Can you remove one stick and design a flag?

# TURTLE 108 WEIGHTS



The code blocks for drawing the weights are:

- start
- left 90
- forward 200
- right 90
- forward 500
- left 90
- forward 100
- left 90
- forward 100
- left 90
- forward 100
- left 90
- forward 100
- left 90
- forward 50
- right 90
- forward 400
- left 90
- forward 50
- action 1

The code blocks for drawing the weights are:

- action 1
- right 90
- forward 100
- right 90
- forward 100
- right 90
- forward 100
- right 90
- forward 100
- right 90
- forward 50

The diagram shows a red outline of the weights with a turtle icon at the top-right corner, indicating the starting point of the drawing.

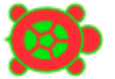
TURTLE BLOCKS

TURTLE ART

LOGO

- Can you use the pen UP and pen DOWN commands to remove the two lines going to the weights?
- Can you make the weights bigger?
- Try adding extra weights on the ends or make the bar across the middle thicker.

# TURTLE 109 LETTER S



TURTLE BLOCKS

TURTLE ART

LOGO

```
start
right 90
forward 150
left 90
forward 150
left 90
forward 150
right 90
forward 150
right 90
forward 150
```

- See if you can make the number 8.
- Can you turn this into a 3D S?
- What other designs can you create from this?

# TURTLE 110 STEPS



TURTLE BLOCKS

TURTLE ART

LOGO

```
start
forward 50
right 90
forward 50
left 90
forward 50
right 90
forward 50
left 90
forward 50
right 90
forward 50
left 90
forward 50
right 90
forward 50
left 90
action 1
```

- Keep the stairs going up.
- Can you bring them back down on the other side, making it look symmetrical?

# TURTLE III RECTANGLE



TURTLE BLOCKS

TURTLE ART

LOGO

- Did you know that a Square is also a rectangle? The correct name for this shape is really OBLONG.
- Can you make bigger and smaller rectangles?
- Can you make 3 rectangles, each one inside the other?

# TURTLE II2 FENCE



TURTLE BLOCKS

TURTLE ART

LOGO

- See if you can make the fence much longer.
- Can you leave a gap in a longer fence so it looks like the gate is open?
- Maybe you could put some lines across it making it look more like a real fence.

# TURTLE 113 PERSON



TURTLE BLOCKS

TURTLE ART

LOGO

start

- forward 300
- right 90
- forward 300
- right 90
- forward 300
- right 90
- forward 300
- back 100
- left 90
- forward 150
- right 90
- forward 50
- back 50
- right 90
- forward 150
- right 90

action 1

- forward 100
- right 90
- forward 150
- left 90
- forward 50

action 1

- forward 150
- right 90
- forward 50
- back 50
- right 90
- forward 150
- right 90

action 1

- See if you can draw eyes and a mouth on this character.

You will need to use the pen UP and pen DOWN command.

- Maybe you could add some hair.

# TURTLE 114 LETTER T



TURTLE BLOCKS

TURTLE ART

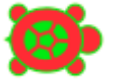
LOGO

start

- forward 300
- right 90
- forward 150
- back 300

- Use the pen UP and pen DOWN commands to add some extra lines to the top of this to make it look like a telegraph pole.
- What else can you create from this shape?

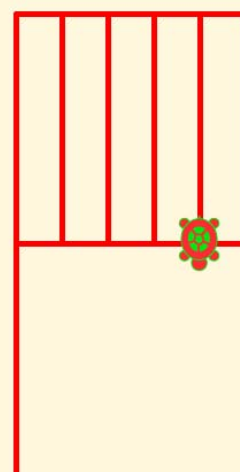
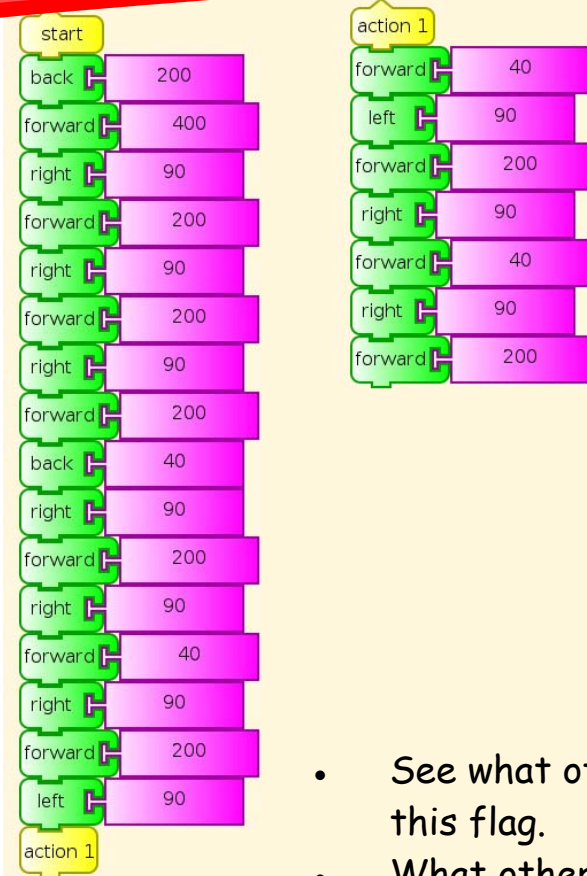
# TURTLE 115 FLAG



TURTLE BLOCKS

TURTLE ART

LOGO



- See what other patterns you can add to this flag.
- What other types of flags can you create?

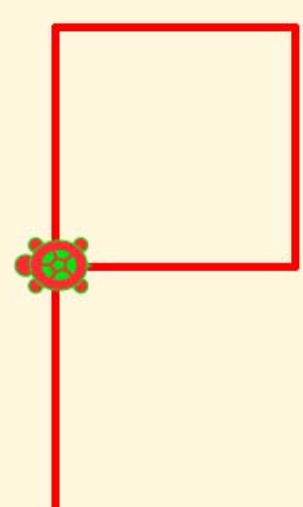
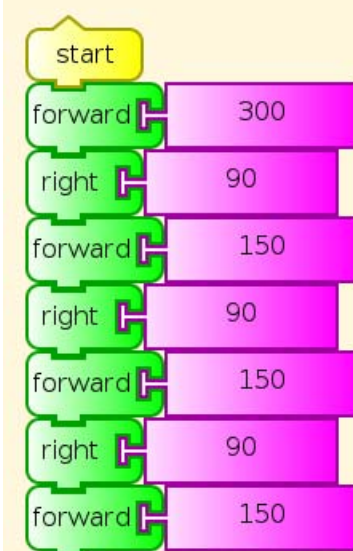
# TURTLE 116 LETTER P



TURTLE BLOCKS

TURTLE ART

LOGO



- See if you can make another square diagonal to this one and create a box kite. Try to join the outside corners together between each square.



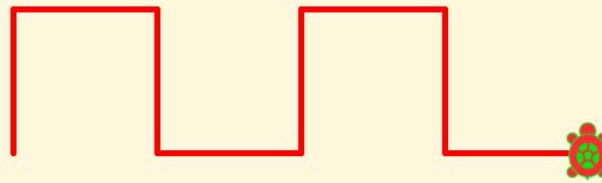
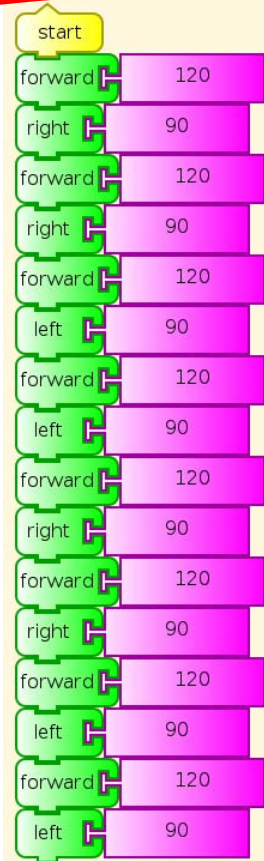
# TURTLE 117 TWO HUMPS



TURTLE BLOCKS

TURTLE ART

LOGO



- See if you can draw some more humps.
- Maybe you could turn this into an imaginary aliens head.

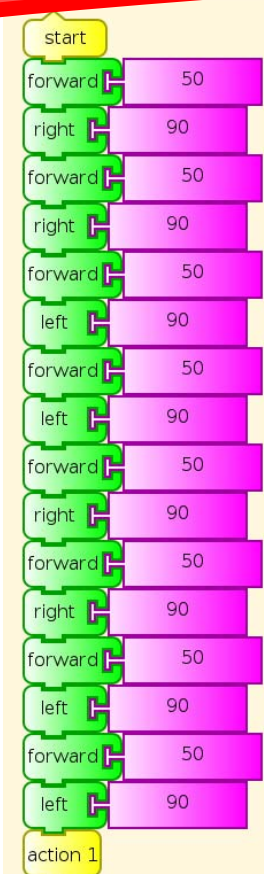
# TURTLE 118 TOP OF TOWER



TURTLE BLOCKS

TURTLE ART

LOGO



- See if you can draw the bottom section of the tower.
- Make a second tower near the first one.

# TURTLE 119 LETTER L & PLUS



TURTLE BLOCKS

TURTLE ART

LOGO

start

- left 90
- forward 150
- right 90
- forward 300

start

- forward 300
- back 150
- right 90
- forward 150
- back 300

- Choose one of these designs and add something else to it.
- Can you turn the second design into a window?

# TURTLE 120 CAGE



TURTLE BLOCKS

TURTLE ART

LOGO

start

- forward 320
- back 640
- left 90
- forward 500
- right 90
- forward 640
- right 90
- forward 1000
- right 90
- forward 640
- right 90
- forward 750
- right 90
- forward 640
- right 90
- forward 500
- right 90
- forward 640

- Try to make a line inbetween each of the lines in this cage so it looks more like a cage.
- Can you make the poles thicker by drawing a line close to the other ones?

# TURTLE 121 LETTER H



A sequence of Logo blocks to draw the letter 'H':

- start
- forward 300
- back 150
- right 90
- forward 150
- left 90
- forward 150
- back 300

A drawing of the letter 'H' on a yellow background. A red turtle icon is at the bottom right of the letter.

TURTLE BLOCKS

TURTLE ART

LOGO

- See if you can draw a person kicking a ball through the goal posts. (Maybe the turtle could be the ball.)

# TURTLE 122 CROSS



Logo blocks to draw a cross:

**start**

- left 90
- forward 160
- right 90
- forward 160
- right 90
- forward 160
- left 90
- forward 160
- right 90
- forward 160
- right 90
- forward 160
- left 90
- forward 160
- right 90
- forward 160

**action 1**

- right 90
- forward 160
- left 90
- forward 160
- right 90
- forward 160
- right 90
- forward 160

A drawing of a cross on a yellow background. A red turtle icon is at the center of the cross.

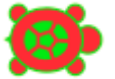
TURTLE BLOCKS

TURTLE ART

LOGO

- Try to make the bottom section of the cross 3 times longer than it is now.

# TURTLE 123 WINDOW



TURTLE BLOCKS

TURTLE ART

LOGO

```
start
forward 300
right 90
forward 300
right 90
forward 300
right 90
forward 300
back 150
right 90
forward 300
back 150
left 90
forward 150
back 300
```

- Microsoft started off with a symbol like this. What can you add to it?

# TURTLE 124 WINDMILL



TURTLE BLOCKS

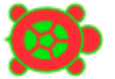
TURTLE ART

LOGO

```
start
forward 200
back 200
right 90
forward 400
right 90
forward 200
back 200
right 90
forward 200
right 90
forward 200
right 90
forward 200
back 200
right 90
forward 400
right 90
forward 200
```

- See if you can add lines to make the 4 corner sections into triangles.
- Add a pole to the windmill.

# TURTLE 125 LETTER E



TURTLE BLOCKS

TURTLE ART

LOGO

- See if you can create the letter E by starting at the top.
- Can you draw an E using the pen UP and DOWN commands.

# TURTLE 126 LADDER



TURTLE BLOCKS

TURTLE ART

LOGO

- See if you can make a larger ladder.
- What happens if you change all the 90 degree angles?

# TURTLE 127 LETTER G



The code blocks for drawing the letter G are:

- start
- left 90
- forward 50
- back 100
- forward 50
- left 90
- forward 100
- right 90
- forward 100
- right 90
- forward 200
- right 90
- forward 100

The diagram shows a red turtle icon at the top of a red letter G shape.

- See if you can double or triple the size of the letter G.
- Draw something on top of it.

TURTLE BLOCKS

TURTLE ART

LOGO

# TURTLE 128 GATE



The code blocks for drawing the gate are:

- start
- left 90
- forward 500
- back 1000
- right 90
- forward 50
- left 90
- forward 1000
- left 90
- forward 100
- left 90
- forward 1000
- left 90
- forward 150
- left 90
- forward 1000
- left 90
- action 1

The code blocks for the action 1 sub-program are:

- action 1
- forward 200
- left 90
- forward 1000
- left 90
- forward 250
- left 90
- forward 1000
- left 90
- forward 50

The diagram shows a red turtle icon at the top left of a red gate shape.

- This gate is too wide. See if you can make it half as wide.
- Can you make the gate taller too?
- How about an arch on top of the gate? Use the arc command.

TURTLE BLOCKS

TURTLE ART

LOGO

# TURTLE 129 BROKEN WINDOW



TURTLE BLOCKS

TURTLE ART

LOGO

The code blocks are as follows:

- start
- forward 300
- right 90
- forward 300
- right 90
- forward 300
- right 90
- forward 300
- back 150
- right 90
- forward 300
- back 150
- left 90
- forward 15
- back 300

The drawing shows a square window divided into four quadrants by a vertical and a horizontal line. A small red turtle icon is positioned on the horizontal line, slightly to the right of the center, representing a broken pane.

- This window is broken. Can you fix it up?
- Can you make a window with 8 sections instead of 4?

# TURTLE 130 WINDMILL



TURTLE BLOCKS

TURTLE ART

LOGO

The code blocks are as follows:

- start
- forward 200
- back 200
- right 90
- forward 400
- right 90
- forward 200
- back 200
- right 90
- forward 200
- right 90
- forward 200
- right 90
- forward 200
- back 200
- right 90
- forward 400
- right 90
- forward 200
- action 1

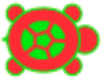
The 'action 1' block contains:

- right 135
- forward 565
- left 45
- pen up
- back 400
- pen down
- left 45
- forward 565

The drawing shows a windmill with a central hub and four blades. A small red turtle icon is positioned at the top-left end of the central hub.

- Try to make a larger windmill.
- Draw a stick/pole on the windmill.
- Can you make the windmill rotate?

# **TURTLE 100 EXTRA ACTIVITY**

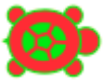


**TURTLE BLOCKS**

**TURTLE ART**

**LOGO**

# **TURTLE 100 EXTRA ACTIVITY**



**TURTLE BLOCKS**

**TURTLE ART**

**LOGO**