



# Yr 6 Logo Help Sheet



Careful! All spelling **MUST** be absolutely correct, and all spaces must be put in, otherwise the turtle will get confused!

## Basics

Command	What is does
FD 100	Turtle moves 100 units forward
BK 70	Turtle moves 70 units backward
RT 90	Turtle moves 90 degrees to the right (clockwise)
LT 30	Turtle moves 30 degrees to the left (anti-clockwise)
CS	Clears the screen and puts turtle back to centre
penup	Lifts the pen up - turtle will now not draw
pendown	Puts the pen back down - turtle will now draw
repeat 4 [FD 100 RT 90]	Repeats everything in the square brackets 4 times. So in this case it will draw a square. Remember to use <b>SQUARE</b> brackets!

## Procedures

Click this button  in order to get to your procedures page. Procedures are like teaching the computer how to do something.

```

to square
repeat 4 [fd 100 rt 90]
end
  
```

This code is teaching the turtle how to draw a square. You must **CLOSE** the editor window and press **YES** to the saving prompt to get back to the main screen.

To get the turtle to do your procedure, simply type the procedure name into the box, and it will draw your shape.



Watch Out! Have you remembered to write "end" when you have finished your procedure?

# Colours

Setpc 3 - setpc stands for set pen colour. You have a limited number of colours to choose from. Each one has a code, listed below.

So setpc **3** will give a colour of cyan (light blue).

Color Index	Color Name	[R G B]	Color
0	black	[0 0 0]	
1	blue	[0 0 255]	
2	green	[0 255 0]	
3	cyan (light blue)	[0 255 255]	
4	red	[255 0 0]	
5	magenta (reddish purple)	[255 0 255]	
6	yellow	[255 255 0]	
7	white	[255 255 255]	
8	brown	[155 96 59]	
9	light brown	[197 136 18]	
10	dark green	[100 162 64]	
11	darkish blue	[120 187 187]	
12	tan	[255 149 119]	
13	plum (purplish)	[144 113 208]	
14	orange	[255 163 0]	
15	gray	[183 183 183]	

## Some sample code...



Stuck? Just copy my code below to get you started, and then change the bits that you want to make it your own.

```
Editor
File Edit Search Set Test! Help
to pentagon
repeat 5 [fd 100 rt 72]
end

to pentagonpattern
repeat 18 [pentagon rt 20]
end
```