

Year 9 summer 2 Computing: Python Turtle



A) Key knowledge		B) Key knowledge		C) Key knowledge		D) Key knowledge	
turtle_name.forward()	Use the turtle name and the distance to travel	.pendown()	Use the turtle name and pendown() to draw lines when it moves	Hexagon	6 sides 60 degree angle	Procedure	A small piece of code that performs a single task
.back()	Use the turtle name and the distance to travel back	.color("green")	Changes the colour of the line drawing	Octagon	8 sides 45 degree angle	Annotations	Comments to help a reader understand your code
.right()	Use the turtle name and the number of degrees the turtle will travel right	.pensize(5)	Selects the line thickness	FOR loop	Used to code definite iteration, where you code how many times the loop should run	Start value	Used in a FOR loop: for i in range(5): States how many times the loop will loop
.left()	Use the turtle name and the number of degrees the turtle will travel left	.begin_fill() .end_fill()	Fills the object drawn with the colour selected	Nested loop	A loop within a loop	Stop value	Used in a FOR loop: for i in range(1, 13): The range of integers ends at the stop value
.penup()	Use the turtle name and penup() to pick up its pen, so that when it moves, n line is drawn	Pentagon	5 sides 72 degree angle	List	A data structure storing many values	Step value	Used in a FOR loop: for i in range(1, 13, 2): States the distance between each integer in the range sequence
Homework: Describe what import turtle means.		Homework: Code the commands to draw a triangle and a pentagon		Homework: Code the commands to draw a square using the FOR command		Homework: Code the commands to draw a circle using the FOR command	