Drawing Shapes

Fn

End

This half term's unit in Computing is **Programming** where the children will learn to create and debug algorithms - following on from their earlier learning in Year 1 where they learnt to program Bee-Bots. The children will use the basic commands in Logo to move and draw using the turtle on screen, and then further develop algorithms using the "repeat" command. These skills will then be developed by teaching children to create algorithms in Scratch using a selection of blocks. This PowerPoint gives you information and instructions to create an algorithm to move and rotate the turtle/sprite to draw shapes. This can be done on JiT and you will find the children's usernames and passwords to access JiT in the back of their reading records.

Aim

Dow

Ctrl

• I can create an algorithm to move or rotate the turtle.

Success Criteria

- I can write commands in the correct order.
- I can write a variable value where required.
- I can correct any mistakes.

Fn

- I can use the commands fd, lt, rt to move or rotate the turtle.
- I can use cs to clear the screen.

Squares and Rectangles

rage Dowi

Ctrl

Give instructions to a partner to walk a square or rectangle using the commands below:

forward <steps>.

Fn

right 90 or left 90.



Walking Shapes Can you walk a rectangle of sides 4 steps and 2 steps?

Delete

UII

Fn

fd 4 rt 90 fd 2 rt 90 fd 4 rt 90 fd 2 rt 90

Ctrl

Turtle Logo Commands Here are some of the main commands needed for these tasks:

Delete

Dow

Ctrl

Moving Forward Change the Forward 100 number (variable) or to move the turtle a fd 100 different distance. will move the turtle forward 100 units. fd 4 rt 90 fd 4? Or fd 5?

Fn

Turtle Logo Commands Here are some of the main commands needed for these tasks:

Delete

Dow



Turtle Logo Commands

Delet

Here are some of the main commands needed for these tasks:

Clearing the Screen

'Clearscreen' or 'cs' will clear the screen and return the turtle to the starting position.

Fn

Using the Up Arrow

Dow

You can use the up arrow to scroll back through previous commands. This can save time by not having to type out commands again.





trl

Drawing Squares and Rectangle

Delete

Dow

Using a Turtle Logo programme on a computer or tablet, draw some different squares and rectangles.







I have filmed a little video to hopefully help you navigate your way around JiT. Please feel free to pause the video at any time so that you have time to follow along or find the right icons to click. Do remember to click the 'save' button (3rd in from the top left) once you've finished. You may click on 'new' (1st top left) to move on and draw a different shape. Maybe you can challenge yourself to draw a square and a rectangle on the same screen by lifting the pen up to move across and start drawing again! I can't wait to see your squares and rectangles of different sizes! :)







Success Criteria

Ctrl

- I can write commands in the correct order.
- I can write a variable value where required.
- I can correct any mistakes.

Fn

Alt

- I can use the commands fd, lt, rt to move or rotate the turtle.
- I can use cs to clear the screen.