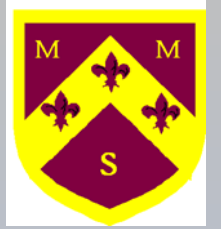


Knowledge Organiser Computing Key Stage 1

Programming Turtle Logo and Scratch



Key Content and Vocabulary

Drawing Shapes – Algorithm, instructions, commands, forward (fd), left (lt), right (rt), move, turn, clear screen (cs), variable.

Repeat – repeat.

Movement and Sound – sprite, add sound.

Repeat and Say Something – block, say something.

Green Flag - green flag, change colour, key press.

Sprites



Key aims

To further develop algorithms using the “repeat” command in Logo and using a selection of blocks in Scratch.

The Repeat Command

Here are suggested instructions for a square of side 100.

Basic algorithm

```
fd 100  
rt 90  
fd 100  
rt 90  
fd 100  
rt 90  
fd 100  
rt 90
```

Combining some commands

```
fd 100 rt 90  
fd 100 rt 90  
fd 100 rt 90  
fd 100 rt 90
```

Using the repeat command

```
repeat 4 [fd 100 rt 90]
```

move 10 steps

play drum 14 for 0.25 beats

move -10 steps

play drum 14 for 0.25 beats

move -10 steps

play drum 14 for 0.25 beats

move 10 steps

play drum 14 for 0.25 beats