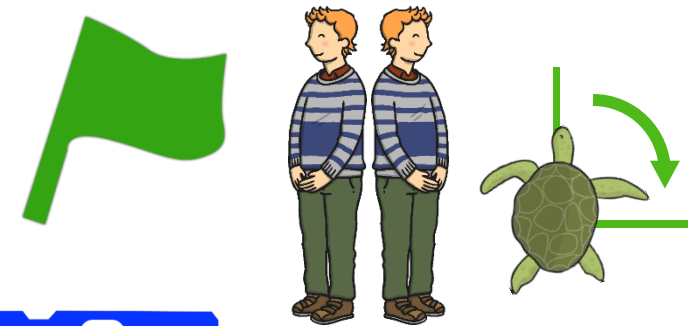


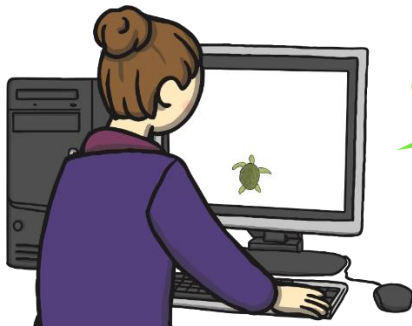
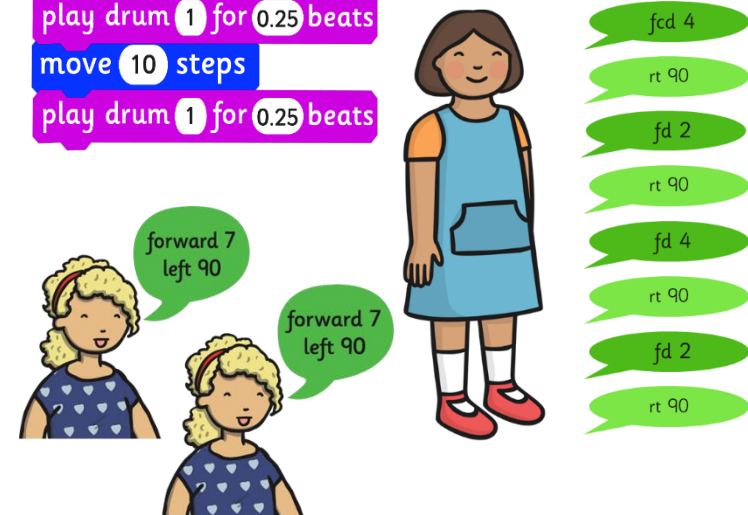
**Programming**

Knowledge	Skills
To know how to create an algorithm to move or rotate the turtle.	To write commands in the correct order. To write a variable value where required. To correct any mistakes. To use the commands fd, lt, rt to move or rotate the turtle. To use cs to clear the screen. To use the repeat command.
To know how to create an algorithm using Scratch.	To write commands in the correct order. To write a variable value where required. To correct any mistakes. To add sprites. To move a sprite. To add sound. To use the repeat command. To use the say block. To start an algorithm with the green flag or key press. To change the colour of the sprite. To change the backdrop.

*This unit's Online Safety focus develops their understanding of Online Reputation.*



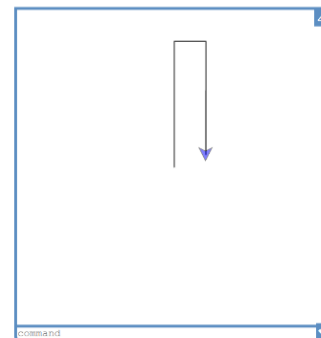
move 10 steps  
play drum 1 for 0.25 beats  
move 10 steps  
play drum 1 for 0.25 beats



repeat 4 [fd 100 rt 90]



fd 60 rt 90 fd 120 fd 90  
repeat 2 [forward 90]  
repeat 2 [fd 90 left 90 fd 90]  
repeat 4 [lt 90 fd 100 rt 90 fd 80]



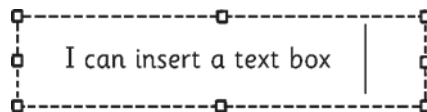
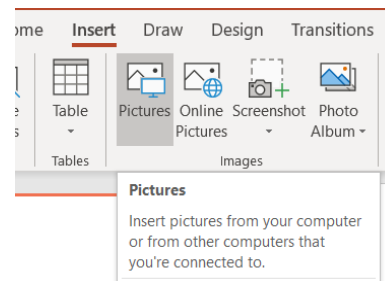
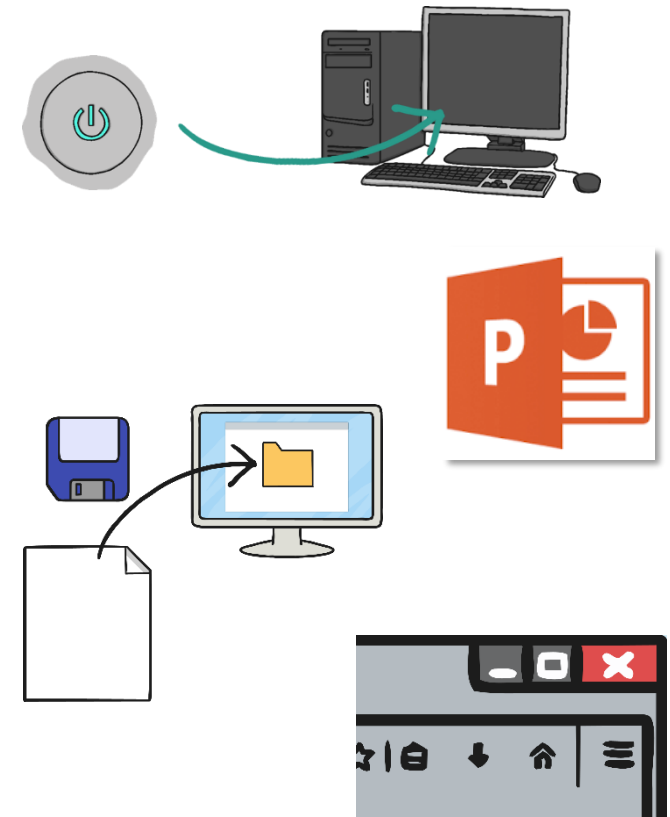
**Key Words**

*Algorithm, instructions, commands, forward (fd), left (lt), right (rt), move, turn, clear screen (cs), variable, repeat, sprite, add sound, say something, green flag, change colour, key press and backdrop.*

**PowerPoint Presentation**

Knowledge	Skills
To know basic computing skills.	To switch on, checking the monitor first. To log on and log off. To manipulate windows. To shut down. To create a folder and save a file in my folder.
To know how to create a simple presentation with text.	To identify the main features of a presentation. To add a new slide and to set or change the slide layout. To insert and type in a text box. To change the background and the outline. To use an appropriate font and colour
To know how to add and format an image.	To insert an image from a folder. To copy an image from another source. To resize an image.
To know how to reorder slides and present a presentation.	To access Slide Sorter View and drag slides to reorder. To use different options to present.

*This unit's Online Safety focus develops their understanding of Managing Online Information.*



**Key Words**

*System unit, monitor, switch, shut down, log on, log off, windows, folder, new folder, Presentation, Microsoft PowerPoint, New slide, slide layout, text box, format, font, colour, background, line, image, picture, photo, format, insert, copy, folder, network, aspect ratio, slide sorter view, drag and present.*

**Using the Internet**

Knowledge	Skills
To know how to search the Internet safely.	To type in an address for a search engine. To type one word into a search engine and return results. To recognise some information about the returned results. To avoid using any private or personal information online. To choose sensible words to search for.
To know how to follow links safely to another web page.	To recognise links on a webpage. To click once to follow a link. To go back to the previous page or pages. To look at where a link will take me before I click on it.
To know how to create content and take photographs for an online blog.	To use a camera to take a photograph. To explain where my photograph is saved. To follow instructions for using a camera safely. To explain why it is important to think carefully before uploading a photo to the internet. To upload a picture and post text to an online blog. To use first names only and keep my personal details private.
To know how to post positive comments and responses on a blog.	To navigate to a blog. To type a positive comment that is relevant to a post. To answer a question or respond to what somebody else has said.

*This unit's Online Safety focus develops their understanding of Privacy and Security.*



**Key Words**

*Internet, World Wide Web (WWW), search, search engine, results, Google, Bing, Yahoo, browser, link, web page, back, blog, picture, image, photograph, post, username, password, upload, find, comment and question.*

[www.google.co.uk](http://www.google.co.uk)

