

<p>Subject: Computing</p>	<p>Year: 1 – Autumn 2 – <b>Creating Media – Digital Painting</b></p>
<p><b>National Curriculum objectives</b></p> <ul style="list-style-type: none"> <li>Use technology purposefully to create, organise, store, manipulate, and retrieve digital content;</li> </ul> <p><b>KS1 Art and Design</b></p> <ul style="list-style-type: none"> <li>To develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form, and space;</li> <li>About the work of a range of artists, craft makers, and designers, describing the differences and similarities between different practices and disciplines and making links to their own work</li> </ul>	
<p><b>To begin this unit, the children should have already learnt:</b></p> <p>As this is a Year 1 unit, no prior knowledge is assumed. However, it is possible children may have had exposure to digital painting programs in EYFS or at home.</p>	<p><b>The learning in this unit will prepare the children to learn these things in the future:</b></p> <p><u>Year 2</u></p> <p>Digital devices can be used to take photographs and edit them after capture; this means that not all images children see are real and they will begin to recognise what features might be changed in photographs they encounter.</p> <p><u>Year 3</u></p> <p>Stop-frame animation is comprised of a series of photographs of objects, with small movements of the objects creating the illusion the objects are actually moving. Animations can be edited and other media, such as text, can be added to improve the finished outcome.</p> <p><u>Year 6</u></p> <p>A web page is a hypertext document that is a part of the World Wide Web. Websites are a collection of web pages about the same topic. They can be found using browsers. Websites are created for a chosen purpose and must adhere to copyright and fair use of media rules.</p>
<p><b><u>Key Enquiry Question</u></b></p> <p>How is each digital freehand tool different? What do you like about (shape) or (colour)? What tools can you use to change the style of your digital painting? Do you prefer digital painting or painting on paper?</p>	<p><b><u>The Big Idea:</u></b></p> <p>Digital devices – and specific programs – can be used to draw and create media: we can draw in different ways and use various tools to create unique effects. Size and colour can also be manipulated for a purpose.</p>

**To achieve ARE, pupils will need to be secure in the following knowledge:**

**By the end of this unit, children will know:**

- Computers can be used to create art;
- What different freehand tools do;
- Tools can be adjusted to serve a purpose;
- Examples of when each tool might be used;
- Difference between digital painting and painting using brushes.

**Vocabulary:**

**Paint program; tool; erase; fill; undo; click; drag; save; icon; colour.**

**By the end of this unit, children will be able to do:**

- Create a picture using freehand tools;
- Use shape and line tools when precision is needed;
- Use a range of paint colours;
- Use the fill tool to colour an enclosed area;
- Use the undo button to correct a mistake;
- Use a range of tools to create a piece of artwork.

**Useful Resources:**

**Online training courses**

[Raspberry Pi online training courses](#)

**Software:**

Microsoft Paint or the online app Paintz ([paintz.app](#)), or another appropriate digital painting program.

**Subject knowledge:**

<https://www.youtube.com/watch?v=1x8m-7N-Kjo> – Style of Piet Mondrian (useful for lesson 2);

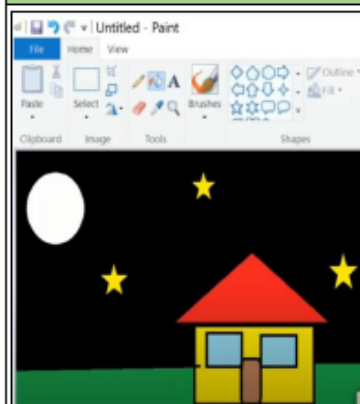
<https://www.youtube.com/watch?v=Z696Xp58uDs> – Style of Henri Matisse (Useful for lesson 3).



# COMPUTING: CREATING MEDIA KNOWLEDGE ORGANISER



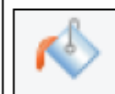
## Overview



### Digital Painting

- We can use digital devices to help us to draw and paint pictures.
- Some of the programs that we can use to do this are Microsoft Paint, Paintz and Sketches (for iOS).
- When we use paint programs, we can use tools to create different effects.
- We can draw in different ways, using freehand, lines and shapes in our drawings.
- We can also change sizes and colours for effect.

## More Complex Tools



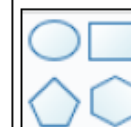
This is the fill tool. It let us fill a shape with a colour of our choice. Be careful though, if the shape has any gaps in it, the fill tool will colour everything else!



This is the spray-paint tool. When you hold down the left button on the mouse, it is like you are spraying a can of spray-paint. With this tool, it is more difficult to colour neatly.



The line tools are useful when we need to draw a line more neatly than we can do with freehand. You can select the start and end points of your line, and choose if you want it to be straight or curvy.




The shape tools draw perfectly formed shapes! There are many different shapes to choose from. As we click and drag using the left mouse button, we make the shape bigger and smaller.



When we want to save our painting, we should click on this icon. The first time that we save, we need to choose a file name and a location (folder) to save it in.

## Simple Tools

- The buttons at the top/side of the page are called tools, and they all have different jobs.
- By clicking on a tool (with the left button on our mouse) we can select to use it. 



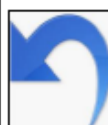
This is the pencil tool. It draws freehand. As we click and hold the left mouse button, it draws on the page. As we hold and move the mouse, the pencil follows on the page!



This is the paintbrush tool. It works freehand, in much the same way as the pencil does. However, we can choose a number of different colours (by clicking on them) to paint with!



The eraser tool lets us rub out parts of our drawing when we have made a mistake. It works by clicking and holding the left mouse button over the areas to erase.



The undo tool reverses the last thing that you did. If you make a mistake, the undo tool can help you to get your drawing back to how it was beforehand!

## Making Careful Choices



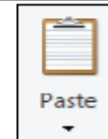
By clicking on this icon, we are able to choose the size of the lines that we draw with.

We can choose thick, bold lines, or thin, fainter lines for effect.

These tools mean that we don't have to draw the same things over and over again if we need to repeat them.

The copy tool makes a copy of the line, shape, drawing features that are selected. By pressing paste, the copy will then appear on the page.

The cut tool also makes a copy of the line, shape, or drawing, but removes the original. The paste option places the copy in the new location.



## Important Vocabulary

Paint Program

Tool

Paintbrush

Erase

Fill

Undo

Click

Drag

Save

icon