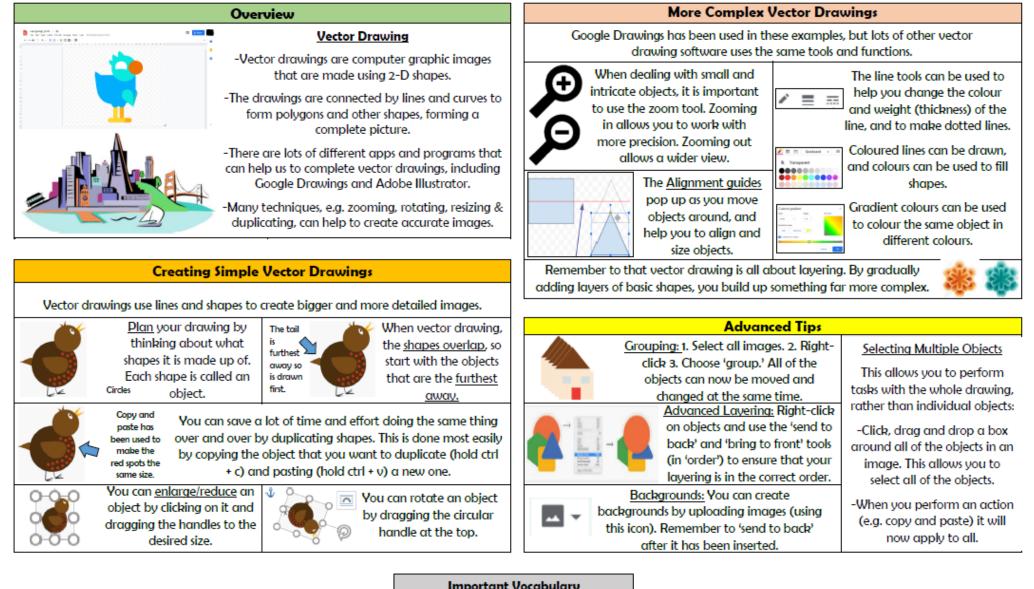
Subject: Computing	Year: 5 – Summer 1 – Creating Media 2 – Vector Drawing					
National Curriculum objectives						
	et services) on a range of digital devices to design and create a range of programs, systems, and					
content that accomplish given goals, including collecting, analys	sing, evaluating, and presenting data and information.					
To begin this unit, the children should have already learnt:	The learning in this unit will prepare the children to learn these things in the future:					
<u>Digital Painting – Year 1</u>	Year 6					
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.	3-D modelling involves using computer software to create 3-D shapes, in order to produce models of real-world objects. It allows us to view designs from different angles and experiment with various designs. 3-D modelling is used in many industries, e.g. in interior design, architecture and making video games.					
<u>Digital writing – Year 1</u>						
Word processors (e.g. Microsoft Word) allow digital writing. The user can change the look of text and easily edit and make changes to bodies of text.						
Digital Dhotography Voor 2						
<u>Digital Photography – Year 2</u> 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.						
Year 3						
Digital publishing is when we create documents (like newsletters,						
brochures, magazines and newspapers) using page layout software.						
<u>Year 4</u>						
Digital devices help us to take and edit photographs. To edit a photo						
we could use cropping, rotating, flipping, and changing colours and						
styles. It is important to recognise not every photo we see is real and						
could have been edited.						
Key Enquiry Question	The Big Idea:					
What are used to create vector drawings? How are they different to	Vector drawings are created using shapes and lines, and each individual element in the drawing is					
hand drawings OR photos you captured and edited in Y4? What tools	called an object. Objects be grouped, layered and duplicated, which helps produce more complex					
can you use to edit an object? How can layering be beneficial when	artwork. Vector drawings can be enlarged and the quality of the drawing will not change.					
creating vector drawings? Why have you grouped these objects? What						
is the purpose of your vector drawing and do you think it is						
successful?						

To achieve ARE, pupils will need to be secure in the following knowledge:								
 By the end of this unit, children will know: A vector drawing comprises separate objects; 	Vocabulary:							
 Each object in a drawing is in its own layer; Vector images can be scaled without impact on quality; Objects can be modified in groups; 	Word processor; text; font; keyboard; text cursor; enter; spacebar; toolbar; icon (introducing in Y1 <i>Digital Writing</i> unit).							
 Alignment and size guides can help create a more consistent drawing; The possible impact of certain artistic choices. 	Photography; editing; digital; portrait; software; landscape; scene; subject; lighting (introduced Y2 <i>Digital Photography</i> unit).							
	Rotate; enlarge; reduce (introduced in Y4).							
	Vector; handles; layering; alignment; grouping; gradient; zoom.							
 By the end of this unit, children will be able to do: Add an object to a vector drawing; 	Useful Resources:							
Select one object or multiple objects;	Online, live remote and Face-to-face courses							
Delete objects;Move objects between the layers of a drawing;	National Centre for Computing Education face-to-face training courses							
 Duplicate objects using copy and paste; Modify and reposition objects; 	<i>Vectr</i> : A vector drawing program.							
 Group and ungroup selected objects; 								
Combine options to achieve a desired result;								
Create a vector drawing for a given purpose.								



COMPUTING: CREATING MEDIA KNOWLEDGE ORGANISEE



				vorcane vocabulary					
Vector	Object	Handles	Rotate	Enlarge/ Reduce	Layering	Gradient	Zoom	Alignment	Grouping