

Topic: 8.3 Digital graphics – *creating* digital artefacts

Key vocabulary:	Core knowledge questions			Powerful knowledge crucial to commit to long term memory	Links to previous and future topics	
Bitmap Vector Digital Storage Illustrator Shape Builder Layers	<ol style="list-style-type: none"> 1. What makes a graphic 'digital'? A digital graphic is one that is created and stored electronically. The data is saved as binary values using the DIGITS 1 and 0 2. Original digital images can be created directly in software e.g. Adobe Illustrator. Hand drawn images may also be scanned and saved electronically. 3. Where can we find digital graphics being used? Across a whole range of media such as posters, magazines, advertising, product packaging. 4. What is a vector image? A file stored as mathematical equations. This allows the file to be stretched, as the image is redrawn by recalculating equations. 5. What are the common file types for saving digital graphics? For use on websites a lower resolution image would be needed. For use in print media the highest resolution possible should be saved. JPEG and PNG formats are common but PDF can also be used for a finished product which requires no further editing. 			<ul style="list-style-type: none"> • Digital means stored electronically • Image quality depends largely on the equipment used • Reliability of images • At least basic techniques grasped • Knowing basic characteristics of image file types 	<ul style="list-style-type: none"> • Graphics used on film posters • Media and the law, especially copyright and creative commons 	
We will develop these skills:						
Impressive reading	Impressive speaking	Impressive writing	Resilience	Numeracy via:	Digital Literacy via:	Employability via:
Reading from official Government advice https://www.gov.uk/copy right	Using descriptive language to discuss existing graphics. Analysing how they may have been altered and explaining to the class or small group.	Distil key info from Gov website to make own notes in exercise books.	Being able to look back at tasks done and refine and improve them. It is unlikely our first effort with new software is the best we can do.	Mega = million	Create the magnifying glass using the instructions provided in SEARCH ICON task Requires Shapes Layering Shape building Fill Stroke	Understanding use of images to put across a persuasive message