

Topic: 7.5 Photoshop			Duration: 5 weeks		Composite: Project	
Key vocabulary:	Core knowledge questions			Powerful knowledge crucial to commit to long term memory	Links to previous and future topics	
Binary Bitmap Collage Colour splash Compressed Contrast Crop Layers Magic Wand Manipulation Pixels Rasterise Resolution Saturation Selection	<ol style="list-style-type: none"> <li>Can we trust a photograph? A photograph can be edited to provide a representation of an event that can be altered.</li> <li>How does a digital camera capture an image? A digital camera uses sensors to capture levels of light which are then digitally converted to represent a binary value.</li> <li>What is a pixel? Picture Element – Pixels make up what we can see visually on a computer display</li> <li>How many different colours can we represent using the BINARY number system?               <ul style="list-style-type: none"> <li>One bit of data= 2 colours</li> <li>4 bits of data = 16 colours</li> </ul> </li> <li>What is a “bitmap”? A bitmap is an image that is made up of pixels. Each pixel has a binary value which corresponds to a particular colour.</li> <li>How can we edit a bitmap image? A bitmap image can be edited in Photoshop. To edit the image we amend the pixels in the image itself.</li> <li>What is a mask? A filter which creates a specific effect</li> <li>How can we extract part of an image and use it within another? Magic Wand tool- refine edge-smooth</li> <li>How do we make items appear behind or in front of each other? Layer control</li> <li>How can we remove the colour from an image? Adjust Saturation levels</li> </ol>			<ul style="list-style-type: none"> <li>Digital photographs are images which are made up of pixels</li> <li>A bitmap is an image that is made up of pixels.</li> <li>Each pixel has a binary value which corresponds to a particular colour</li> <li>When they stretch they can become distorted</li> <li>Images are stored as data</li> <li>Useful tools include: Selection, Quick Selection, Crop</li> </ul>	<ul style="list-style-type: none"> <li>Image manipulation skills can contribute to many media products in KS3</li> <li>Creative iMedia has a mandatory unit (R082) on Digital Graphics</li> </ul>	
<b>We will develop these skills:</b>						
Impressive reading	Impressive speaking	Impressive writing	Resilience	Numeracy via:	Digital Literacy via:	Employability via:
Independently following instruction sheets to complete projects	Discussion on “Does the camera ever lie?”	Explain the tools and techniques used to edit a digital image	Readjusting levels throughout the task Realising that changing one setting can have an impact on other aspects	Binary counting system Resolution of images	Data → bits 1 bit and 4 bits File types	Developing graphic editing skills