Making Animated GIFs

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GIF images (**Graphics Interchange Format**) can (but don't have to) be animated

Animated GIFs are a bit like short movies and can be used online or on screen (in PowerPoint etc…). They aren't much use for printed documents
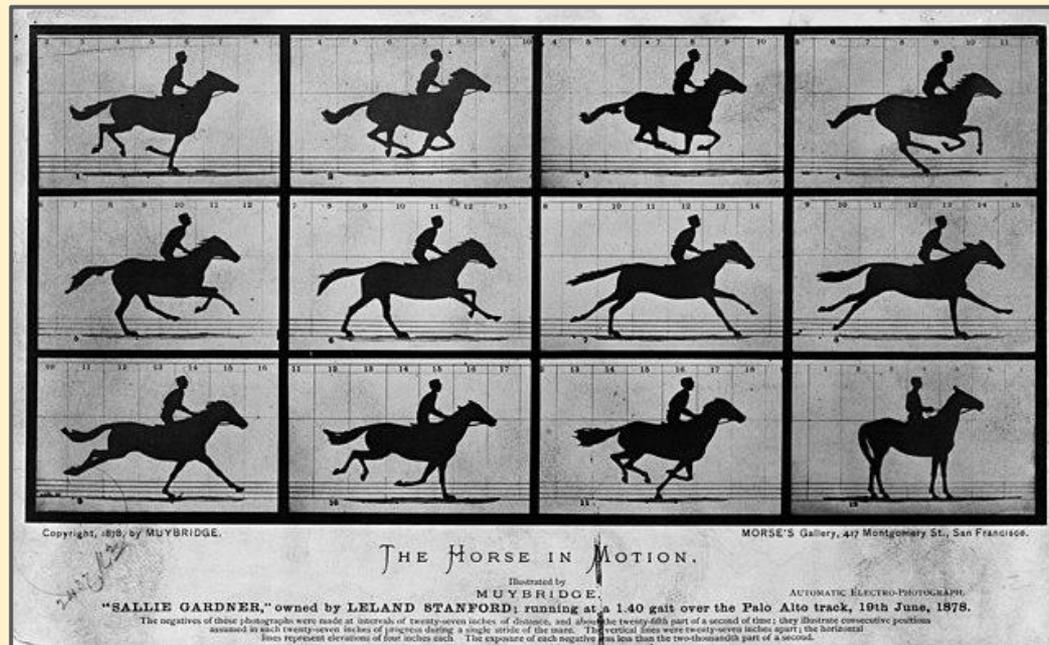
You can use a GIF as a regular image, but there are some issues with this

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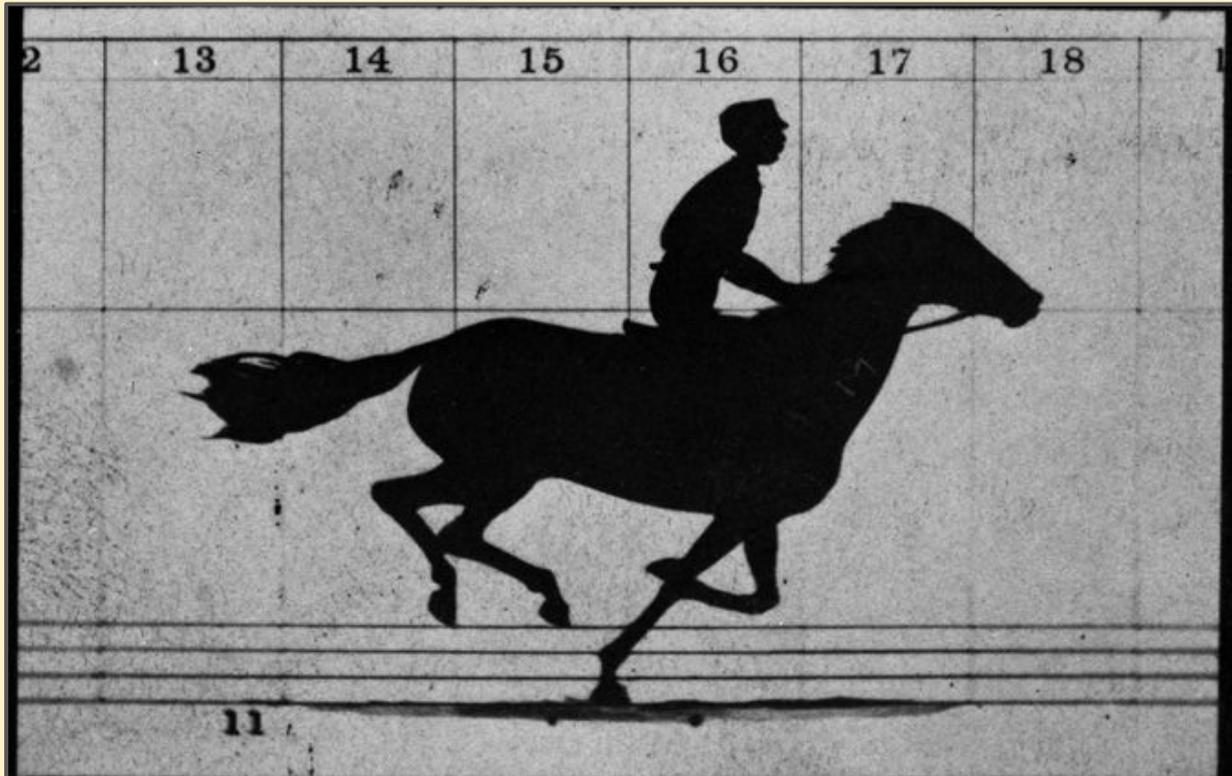| Advantages of GIFs	Disadvantages of GIFs
Small file size	Only useful for short animations
Can be animated	No sound
Quick to load and play (much quicker than Movie files)	Only 256 colours (16.7 million in JPG)
Easy to play - no issues with needing a movie player	Not good for photographs
Can use transparency	Colours will distort
Good for simple logos	Can be tricky to animate

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This series of photos was taken in 1878 by Eadweard Muybridge, a British photographer. It is called **The Horse in Motion**. Each image captures a horse galloping in sequence

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By using each image as a single **frame**, we can create an animated GIF that appears to show the horse galloping

Look at the board to see the animated version - GIFs don't move in PDF files

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This is the similar to the way a real of movie film uses individual still images - or **frames**

When the film is played quickly enough it looks like it's a moving image

Movies play at **24 frames per second**. GIFs usually play at **10 frames per second** so the movie is less smooth

Making Animated GIFs

1. Download the horse zip file

2. Move the file into your OneDrive

3. Right click and choose Extract all

4. Click OK and a new folder - called horse - will be created with the 12 images in it

5. Now follow the instructions to make the Animated GIF

6. Create a PowerPoint and add your GIF to it. Add writing to explain what you did