**Name: Date:**

**Digital images**

**Activity 1: Bitmap**

Before you write your description, look at the answer builder tool underneath the help you.

|  |  |
| --- | --- |
| Description: | Example: |
| Answer builder:   |  |  |  | | --- | --- | --- | | ⚫ | ⚫⚫ | ⚫⚫⚫ | | What are tiny squares called that make up the image? | What does each square store? | How does each square store this data? | | |

**Activity 2: Colour depth**

Before you write your description, look at the answer builder tool underneath the help you.

|  |  |
| --- | --- |
| Description: | Example: |
| Answer builder:   |  |  |  | | --- | --- | --- | | ⚫ | ⚫⚫ | ⚫⚫⚫ | | What determines the amount of colours that can be stored per pixel? | Provide an example | Explain how colour depth can impact quality and size of the image file. | | |

**Activity 3: Resolution**

Before you write your description, look at the answer builder tool underneath the help you.

|  |  |
| --- | --- |
| Description: | Example: |
| Answer builder:   |  |  |  | | --- | --- | --- | | ⚫ | ⚫⚫ | ⚫⚫⚫ | | How is resolution measured? | What will an increase in resolution lead to? | Give examples of different resolutions used for print and web-based graphics. | | |

**Activity 4: Vector**

Before you write your description, look at the answer builder tool underneath the help you.

|  |  |
| --- | --- |
| Description: | Example: |
| Answer builder:   |  |  |  | | --- | --- | --- | | ⚫ | ⚫⚫ | ⚫⚫⚫ | | What is a vector graphic made up of? | What would vector graphics be commonly used for? | How are they different to bitmap images? | | |

**Activity 5: Moving image file**

Before you write your description, look at the answer builder tool underneath the help you.

|  |  |
| --- | --- |
| Description: | Example: |
| Answer builder:   |  |  |  | | --- | --- | --- | | ⚫ | ⚫⚫ | ⚫⚫⚫ | | What is a moving image file? | What common file format is used to store moving image files on the web? | Identify one pro and one con to using this file format. | | |

**Activity 6: Compression**

Before you write your description, look at the answer builder tool underneath the help you.

|  |  |
| --- | --- |
| Description: | Example: |
| Answer builder:   |  |  |  | | --- | --- | --- | | ⚫ | ⚫⚫ | ⚫⚫⚫ | | What is meant by compression? | State the advantages of compressing files. | Explain two different types of compressions. | | |