



## MEDIA: VECTOR GRAPHICS

**Vector Graphics** – simple digital images made up of paths and shapes can be easily edited.

Used to create graphics that need a large format.

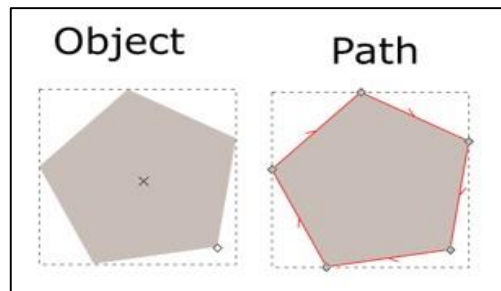
Vector graphic file sizes are usually small.

Scalable which means you can change their size without losing quality.

**Bitmap images (raster graphics)** – complex images made up of small individual squares of colour called pixels which can be individually edited. Used for real photographs.

File sizes are large as information about each pixel is stored. Bitmap graphics lose quality when they are resized.

The term 'path' is used because lines and shapes have a start and end point with curves and angles along the way.



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| Comparison  | Vector Graphic               | Bitmap Graphic            |
|-------------|------------------------------|---------------------------|
| Consist of  | Objects                      | Coloured pixels           |
| File size   | Small                        | Large                     |
| Appearance  | Simple                       | Detailed                  |
| File format | .svg .wmp                    | .bmp .jpg .gif            |
| Scalable    | Quality same                 | Quality lost              |
| Use         | Logos, icons & illustrations | Real images & photographs |

**Logo** - symbol used to represent an organisation or a product.

**Icons** – often on computer application interfaces, representing buttons or selectable features of the software.

**Illustrations** - simple drawings used in books, posters, and flyers.

| Key words: |              |           |
|------------|--------------|-----------|
| Align      | Distribute   | Duplicate |
| Ellipse    | Equidistant  | Fill      |
| Flip       | Freehand     | Group     |
| Handles    | Intersection | Move      |
| Node       | Monochrome   | Object    |
| Path       | Pixels       | Polygon   |
| Raster     | Rectangle    | Resize    |
| Rotate     | Scalable     | Segment   |
| Select     | Ungroup      | Union     |