

# Photoshop - 21: Image 'resizing'.

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For competitions, or to put your photos on the web, or to send in an email, you will need to resize your photo.

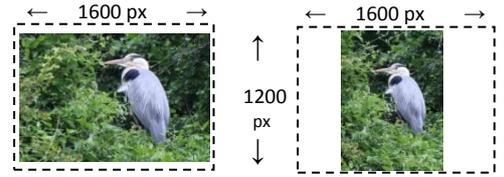
'Resizing' reduces the number of pixels in your photo, so that you are not giving someone else your full size photo. They can't say it is their photo if they haven't got the original full-sized photo!

Competition 'Digital Images' have to be resized to fit inside a landscape rectangle which is 1600 pixels wide, and 1200 pixels high.

The resolution can be any pixels/inch. (72 ppi is Jpeg native resolution)

This will show your photo at its best when projected on a screen.

PRINTS: Photos to be printed do NOT need to be resized... the printer needs as many pixels as possible!



## How to resize your photo:

1. Open the required photo in Photoshop.

2. Go to the top menu bar and click on: **'Image'**.

In the drop down:



go to: **Image size** (L click)

*Other versions of Photoshop (Elements 11, 13, 15, etc) click on: 'Image' → 'Resize' → 'Image Size'*

3. A window box appears, titled: **'Image Size'**.

You will need to start at the **bottom** of the window and work **upwards**.

a) Tick the:

Scale styles

Constrain proportions

Resample image:

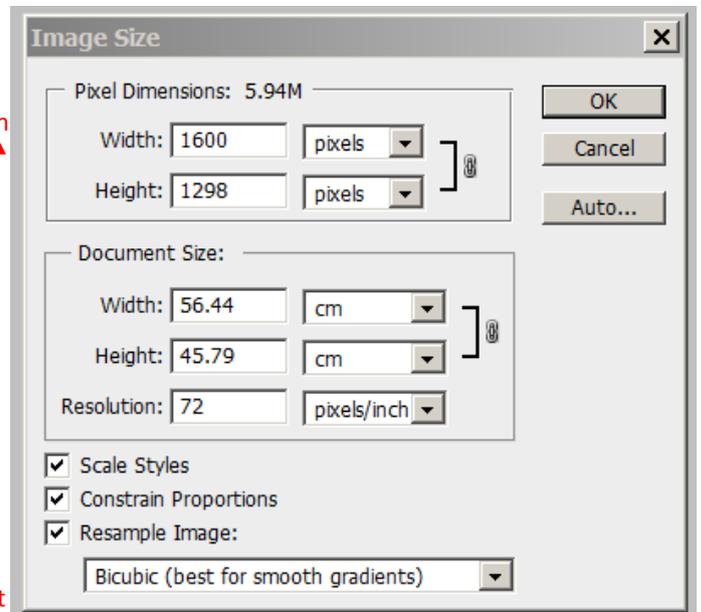
By ticking these boxes, your picture will remain in the same proportions when you resize it.

**Bicubic** gives the smoothest (less pixely) picture, but you will need to *slightly* sharpen your photo again. Go to Sharpen in Photoshop afterwards.

**Bicubic Sharper**, will sharpen your resized image. Because you lose pixels when resizing, the photo will be less sharp. This re-sharpens it, but can be pixely, so check the photo. It might be better to use **Bicubic**, then sharpen again afterwards.

Finish

Start



b) Check the Resolution is:

(**Change to rules:** can be any size now: *The higher the resolution, the sharper the picture, but it gets physically smaller*)

c) In the 'Pixel Dimensions' boxes, type in the pixel size:

For **Landscape** format photos = Width: 1600 pixels (the height should automatically change)

For **Portrait** format photos = Height: 1200 pixels (the width should automatically change)

*Make sure it is 'pixels' not: mm, cm, inches, etc.*

**CHECK:** that the height is **1200 or less**. As you can see from the box above, the width has been resized to 1600, but the height is 1298 which is too big. You will need to change the height to 1200 and the width will then be less than 1600. It doesn't matter if one side is smaller than 1600 or 1200.

d) Then click **OK**. Your photo will now be resized. Your photo in Photoshop will now be a smaller rectangle.



Go to the zoom tool and click on 'actual pixels'/'100%' to check the size. The photo should fit the screen again.

4. Check the photo for sharpness. Resharpen slightly in Sharpen if necessary.

5. Save the resized photo: Go to **File** ↓

**Save as...** and save the resized image as a new file.

*For example: add an 'r' to the image name. Eg. 10001.jpg becomes: 10001r.jpg*

*By doing this it means you keep the original full sized photo, plus this smaller resized copy*