

Resizing images for projection

DIGITAL IMAGES must be resized to a maximum WIDTH of 1400 pixels and a maximum HEIGHT of 1050 pixels, and will be projected in a landscape format. Therefore images in a portrait format must be no larger than 1050 pixels high. Files must be saved as .jpg (compressed at the highest available quality) and using the sRGB colour space setting

Resizing in Lightroom is done via EXPORT, similar to Picasa.

1. Select the Picture to resize
2. Click FILE > EXPORT to open the Export dialogue box
3. Here you can select where you want to export the picture to, what you want to call the new file, the file type and the size of the picture
4. In 'File Settings' select JPEG and move the Quality slider to the far right (100)
5. In 'Image Sizing', tick the 'Resize to fit' box and here Lightroom differs from Picasa, in that you have more options. In the pull-down, select the 'Width & Height' option and enter 1400 in the 'W' box and 1050 in the 'H' box. This constrains the width and height to the maximum values allowed regardless of whether your image is portrait or landscape. The aspect ratio of the image will remain unchanged. Don't use the 'Dimensions' option, as this will give you 1400 high images if they are portrait.
6. Select 'Pixels' from the pull-down.
7. Note that because we are working with the pixel dimensions of the picture, the Resolution box is irrelevant, and can be ignored.
8. Click on the EXPORT button to complete the operation.

Resizing in Photoshop

Don't forget to work on a Duplicate Image before you start to resize your picture, otherwise you will forget and overwrite the original!

Method 1

1. Open the picture to resize in Photoshop
2. Immediately, go to IMAGE > DUPLICATE and Click OK. You will see that the filename now includes the word 'copy', so you are safe to proceed. (You can close the original window)
3. Go to IMAGE > IMAGE SIZE and the Image Size box will appear. You can ignore the 'Document Size' part – we are interested in the 'Pixel Dimensions'. The original Pixel dimensions of your image are given in the boxes
4. Make sure the 'Scale Styles', 'Constrain Proportions' and 'Resample Image' boxes are ticked
5. Enter the pixel dimensions you want in the relevant box.
For Landscape format enter 1400 in the width box and click Ok.
OR
For Portrait format enter 1050 in the height box and click Ok.
Because you have ticked the 'Constrain Proportions' box, the other dimension will be adjusted automatically.
6. Select the 'Bicubic Sharper' (best for reductions) option from the pull-down.
7. Click OK to carry out the resize.
8. Click SAVE AS, select JPEG format and re-name the file as the competition rules. Hit SAVE.
9. The JPEG Options box will appear and you should drag the slider to the far right, for a large file, minimum compression and maximum quality. The default 'Baseline' format option is fine. Click OK.

Method 2

You can also crop and resize at the same time in Photoshop, which saves doing the 2 operations separately.

1. Open the picture to resize in Photoshop
2. Immediately, go to IMAGE > DUPLICATE and Click OK. You will see that the filename now includes the word 'copy', so you are safe to proceed. (You can close the original window)
3. Ensure your background colour is set to Black.
4. On the side menu, click on the CROP TOOL and the Crop Toolbar will appear. Enter the pixel width and height you require, i.e. 1400 px wide x 1050 px high for a landscape picture, or 788 px wide x 1050 px high for a portrait picture. Because you have indicated pixels (px) in the boxes, the Resolution box is not relevant and can be ignored
5. When you apply the cursor to the picture, you create a cropping box that is constrained to the above proportions. Pull the box about until you are satisfied with the crop, then Click on the 'Tick mark' to complete the crop.
Your new picture will be at the required pixel dimensions.
6. Click SAVE AS , select JPEG format and re-name the file as the competition rules.
Hit SAVE
7. The JPEG Options box will appear and you should drag the slider to the far right, for a large file, minimum compression and maximum quality. The default 'Baseline' format option is fine.
Click OK.
8. Note : If you create a crop with the correct proportions but larger than your image, the excess canvas will be coloured black.