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PRACTICAL

Issue 72 March 2017

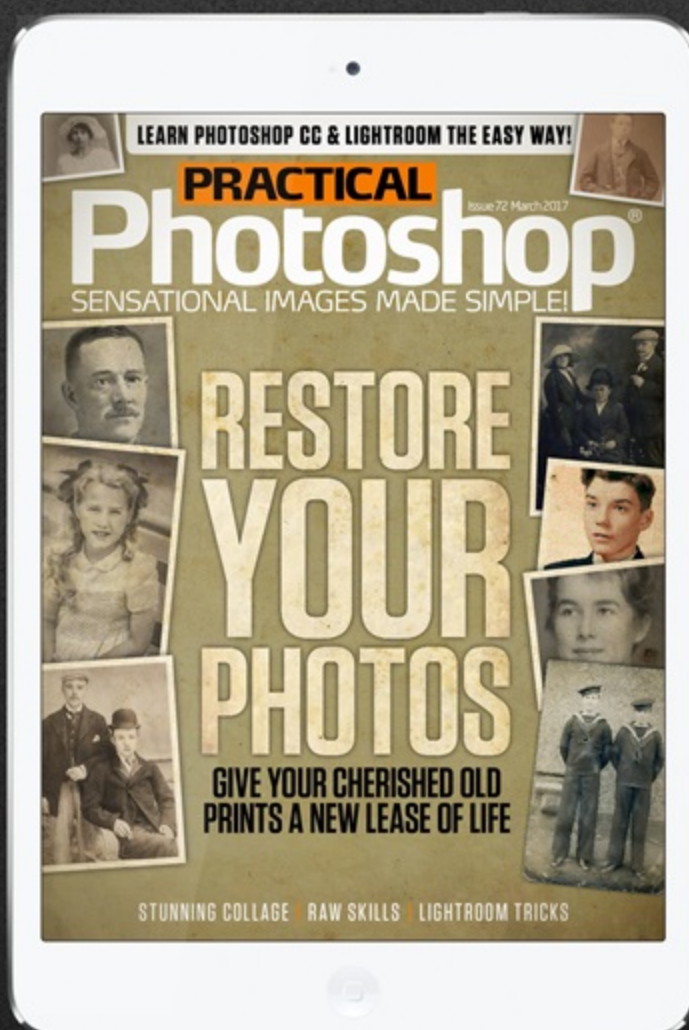
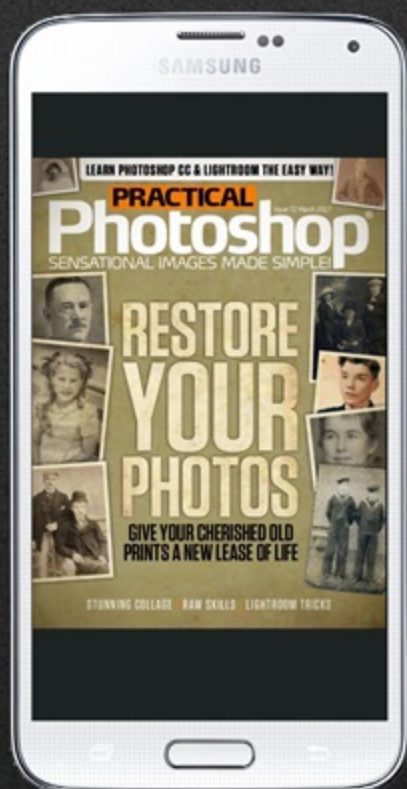
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RESTORE YOUR PHOTOS

**GIVE YOUR CHERISHED OLD
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STUNNING COLLAGE | RAW SKILLS | LIGHTROOM TRICKS



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It sometimes feels like the shelf-life of our photos is rather short - we shoot, post, and move on. So it's nice to undertake a job that has a less ephemeral nature, like restoring photos. It's immensely rewarding and rather easy, as our feature this issue shows. And your family will be hugely impressed!

James Paterson

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HIGHLIGHTS: WHAT'S INSIDE...

PHOTOSHOP NEWS

■ Adobe lists the visual trends we're likely to see in 2017

RESTORE YOUR OLD PHOTOS

■ Give your cherished old prints a fresh makeover

RAW PROCESSING TECHNIQUES

■ Take your photos in new directions with simple raw skills

GET THE HOCKNEY LOOK

■ Create 'photo joiners' inspired by the famous artist

LIGHTROOM SKILLS

■ Discover how to edit at speed with Quick Develop



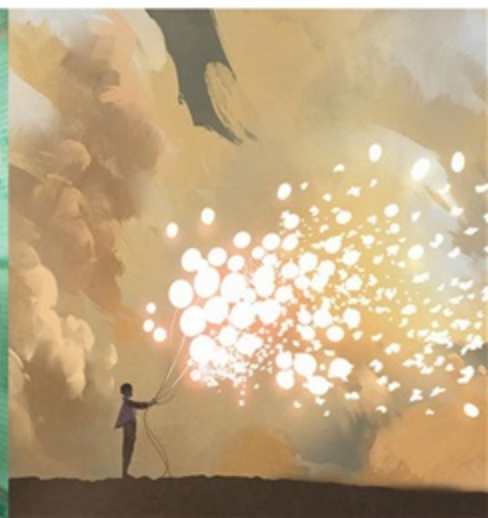
NEWS

ADOBE'S VISUAL TRENDS FOR 2017

▶▶ To help designers and photographers keep abreast with current styles, Adobe has compiled a list of 10 trends for digital media in 2017. While there's a heavy emphasis on the stock factor (understandable with Adobe

pushing its stock integration features within Photoshop and across the Creative Suite) it's still an interesting list, as it seeks to predict where photography and digital imaging is heading in the future. Current technological

advances have a heavy influence, with inclusions of aerial photography guided by drones and 3D tools. Finally, perhaps in response to an overly industrialized world, we are also seeing more delicate art. Here are our picks...





#1 AERIAL PHOTOGRAPHY

Aerial photography has reached new heights since the invention and popularization of drones. We can now produce images from viewpoints that were never before possible.



#2 3D IMAGING

3D tools and design applications are growing, and innovative tools are simplifying how 3D is used. With tools like Project Felix, creating 3D designs and artwork is easier and quicker.

#3 TABLET ART

In a technology-focused world, it's natural to respond with a gravitation toward handicraft. Tablets and responsive pens allow artists to create ever more realistic and detailed art.

#4 STORYTELLING

Images designed to narrate a full story will always be popular, especially in our social media age. Stories are far more effective than a great composition or perfect lighting.





#5 UNBALANCED COMPOSITIONS

One way images can stand out from the crowd is with an unbalanced composition. When designers search stock libraries it'll be the photo from an unusual or tilted angle.



#6 CINEMAGRAPHS

Boomerangs and cinemagraphs converge photos and video by creating perfect loops, capturing a moment in time. The majority of the photo is still, with one moving element.

#7 SIMPLICITY

2016 was a year filled with uncertainty. This year, the world is ready for simplicity and truth. In art, that translates to getting back to nature and considering how we relate to the Earth.

#8 GENDER ROLES

This trend celebrates women and their creativity, notable figures in the creative field, and contemporaries who are ever expanding their influence.



RESTORATION THE ULTIMATE GUIDE

Discover how to breath new life into your old or damaged photos with these essential skills and techniques



Many of us have old photo albums full of cherished family portraits and familiar faces - and inevitably some of them will have become damaged or faded over time. But if you can digitise them (either with a scanner or by taking a photo of the print) then you can bring them into Photoshop for a new lease of life.

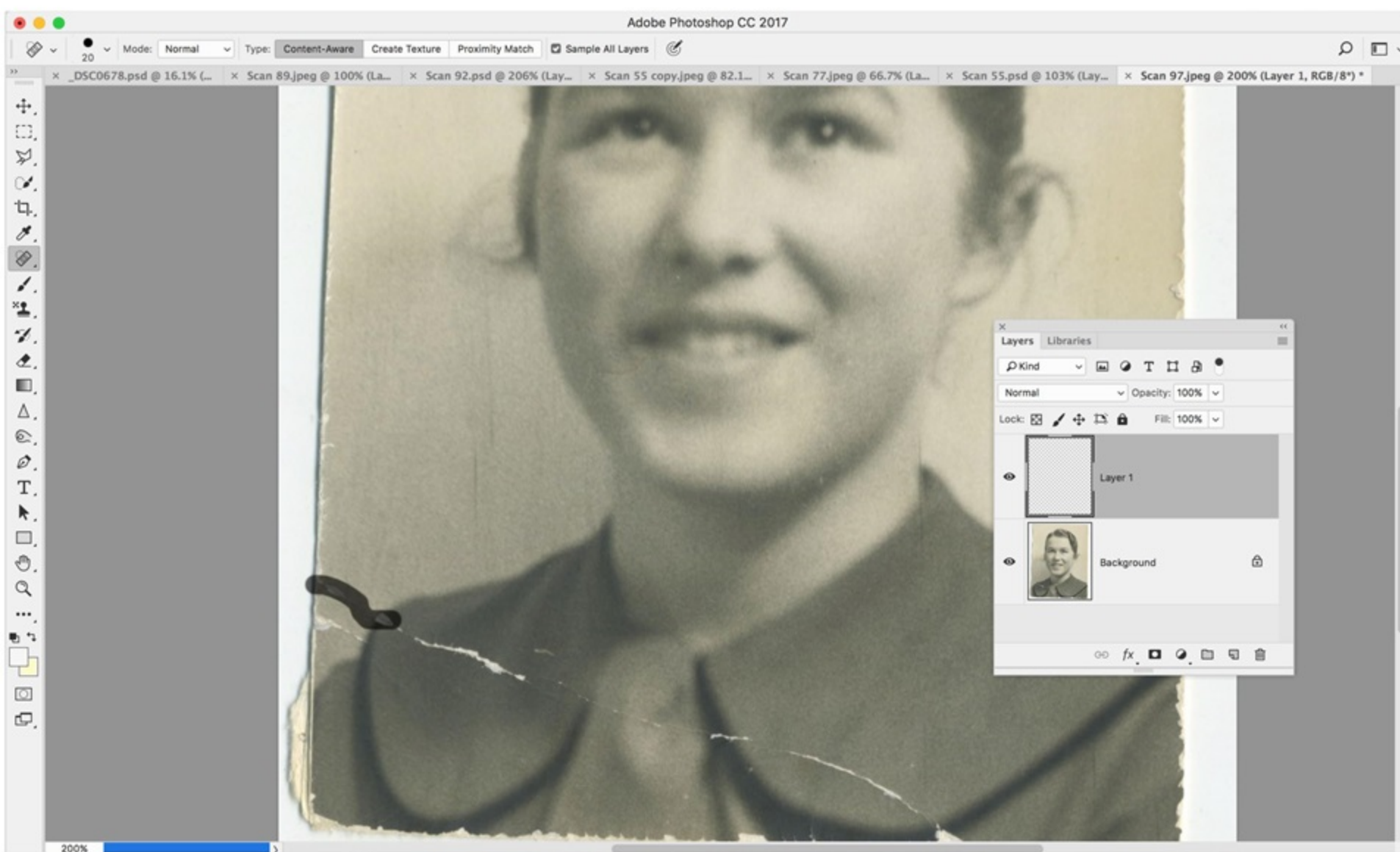
Over the next few pages, we'll explain how. You'll learn essential tricks like fixing scratches, rebuilding ripped

prints and enhancing faded prints; then we'll take it a little further and show you a few creative techniques to try out on your photos.

Even if you haven't got a set of old family photos that are digitised and waiting to be lovingly restored, you'll still find plenty of advice for image-editing that goes beyond restoration work - from essential retouching skills to great tips for tidying photos, controlling noise and creating amazing artwork...

PRACTICAL Photoshop® PART 1 THE CHALLENGES OF RESTORATION

Eight typical tests for the photo restorer – and how to solve them...



01 SCRATCHES AND MARKS

Surface damage to prints like scratches, blemishes, grime or spots is easily removed with the Spot Healing Brush tool. Set the tool to Sample All Layers in the tool options at the top, then click the Create New Layer icon in the Layers panel to make a new empty layer for your healing. Paint over problems to remove them. If things go wrong, undo with Ctrl/Cmd+Shift+Z, then try using the Healing Brush instead. It works in a similar way, except you need to Alt-click to define a source from a clean area of similar detail nearby.

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02 LOST PARTS

Unfortunately, old prints are delicate and brittle. Irreparable rips can happen over time, but even missing details like the ripped face here can be rebuilt, as long as the parts that remain can be used to cover up the problem patch.

Select the intact part with the Lasso tool and duplicate it to a new layer with Ctrl/Cmd+J, then press Ctrl/Cmd+T to transform. Right-click the area and choose Flip Horizontal, then position it in place to cover the missing part. Next, click the Add Layer Mask icon in the Layers panel, then use the Brush and paint black to blend the edges.





03 MISSING CORNERS

Luckily missing faces are rare, but missing corners are much more common. The solution is similar to before: either paste over with existing details, or generate new pixels with Photoshop's Content-Aware tools. For missing corners like this, the first option is usually the most effective.

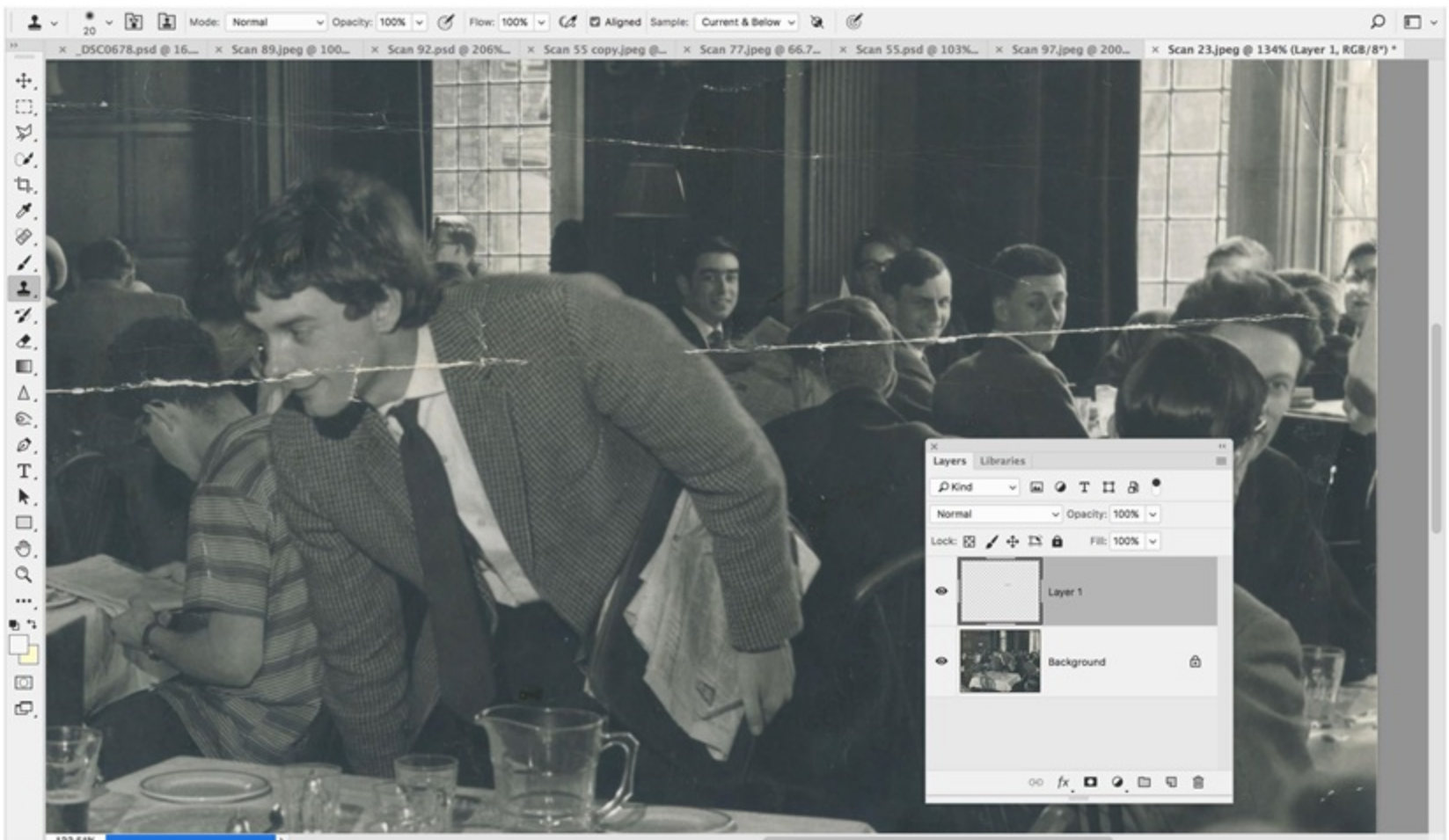
Select an area with the Lasso tool, then right-click the selection and choose Feather. Set Radius to about 12. Press Ctrl/Cmd+J to copy the selection to a new area, then use the Move tool to position it over the empty space. If you need to fine-tune what's visible, add a layer mask, then paint over the area with the Brush set to black to hide parts of the new layer.





04 WASHED OUT SHADOWS

You'll often see shadows become very faded in old prints, particularly monochrome images like this. There's a very quick fix: press **Ctrl/Cmd+Shift+B**. This applies Auto-Color (it's also found under the Image menu), which often results in punchy shadows and better contrast. If it's too strong, press **Ctrl/Cmd+Shift+F** for Fade - a handy command that lets you fade out your last edit.



05 CREASES

Creases are more difficult to remove than scratches or marks, because they usually go from one edge of an image to the other. Running across the entire length with the Spot Healing Brush tool might look messy and obvious, especially if there are lots of varied details along the crease. Instead, tackle the crease in segments: make a new layer, grab the Clone tool (set to Sample: All Layers), zoom in close and repair the damage bit by bit, sampling clear areas nearby.

06 FLAT FACES

Old prints can lack contrast, and faces often look flat. They can be improved with a little dodging and burning to add depth and emphasise the form of the face. In principle, it's the same kind of tasks retouchers will carry out on modern portraits: lighten the middle of the forehead, the bridge of the nose, the whites of the eyes and the chin; then darken under the cheekbones, the outline of the nose, the hairline and the neck. Carry out your dodging and burning on a duplicate layer, with the Dodge tool set to either Highlights or Midtones at no more than 20%, and the Burn tool set to Midtones or Shadows, again at 20% or less.



07 COLOR CASTS

Over time, color prints will often develop severe color shifts - commonly a red cast like you can see in this image. This is a fairly easy fix. Right-click the image in Bridge and choose Open In Camera Raw, then grab the White Balance tool from the toolbar. Click over a point in the image that should be neutral and lacking in any color, like the baby's white vest here.

This should fix the cast, but if not, try clicking elsewhere or use the Temp and Tint sliders to fine-tune the colors. If a strong cast still persists, grab the Targeted Adjustment Tool from the toolbar, right-click and choose Saturation, then drag down over the dominant color within the image to reduce it.



08 SOFT DETAILS

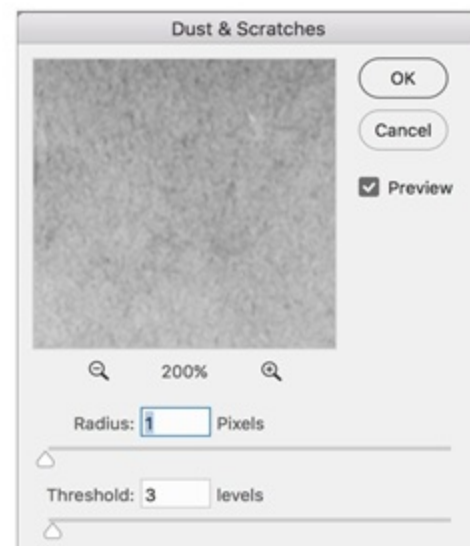
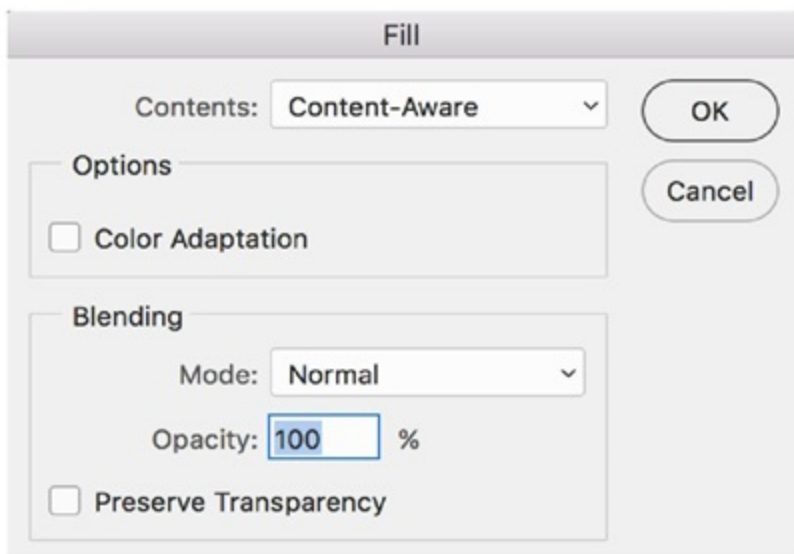
One of the big problems you find with old prints is that they're often lacking in fine detail, especially if the originals are small. Unfortunately there's no way to add in extra detail, but you can enhance what's there. One way to do this is with a combination of sharpening and noise reduction, using Camera Raw's Details panel. However, the results of heavy noise reduction can leave images looking a little mushy. The solution to this problem is to add a little extra grain using the FX panel in Camera Raw.



TOP 10

THE RESTORER'S TOOLBOX

Get to know the 10 best tools Photoshop offers for repairing old photos



01 CONTENT-AWARE FILL

This is useful for filling in missing portions of a print like corners or uneven sides. Make a duplicate of the background layer, then grab the Polygonal Lasso tool and click a loose selection over the area. Go to Edit > Fill and set Use: Content-Aware.



A quick fix for missing parts of a print.



It's effective, but rarely perfect: you'll usually need to tidy up by cloning or healing.

TOP TIP

Duplicate the layer and erase the subject before using Fill, so that it only samples from what's left.

02 DUST AND SCRATCHES

Found under Filter > Noise, the Dust and Scratches filter helps you clean up small marks and blemishes across your image (or an active selection). Like all blanket fixes, it can be heavy-handed, but used discretely it can halve your retouching time.



A quick fix for large problem areas beset with small marks and scratches.



Can leave details looking soft and mushy if over-used.

TOP TIP

Use Threshold to control what's detected as a mark while keeping natural image noise intact.



03 SPOT HEALING TOOL

This is a great tool for restorers. Paint over marks, scratches and dirt, and it'll fix the problem by sampling nearby pixels. It's best to use it on a new empty layer with the tool set to Sample All Layers in the tool options at the top. This way, the retouching remains non-destructive.



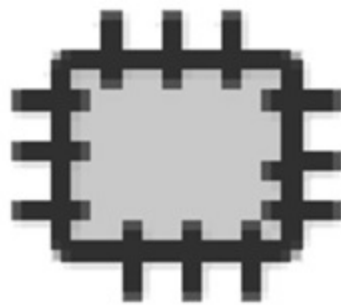
Quick and easy - it works just like a brush.



It can mess up around edge areas or smudge fine detail.

TOP TIP

Hold Shift and click between two points to heal in a straight line - great for long scratches and creases.



04 PATCH TOOL

This is good for larger problem areas like flaky paper, wide scratches or dirty streaks. Drag a loose selection over the area, then move it to a clean area nearby. Experiment with different Structure and Color settings in the tool options at the top for the most effective results.



It's similar to the Spot Healing tool, but you choose the area.



'Content-Aware' mode is often less effective than 'Normal'.

TOP TIP

Set Patch to 'Content Aware' and you can Sample All Layers - so you can patch on an empty layer.



05 CLONE TOOL

A powerful option for photo restorers. Hold Alt and click to sample a clean area next to the problem, then paint to clone the area. You can set the tool to Sample All Layers, so you can clone on an empty layer above your original. There are also more in-depth controls in Window > Clone Source.



Effective, simple to use and easy to see exactly how it works.



More laborious than Content-Aware tools, but more predictable.

TOP TIP

The Clone tool often works best at low opacity, as you can gradually clone away messy areas.



06 HEALING BRUSH TOOL

Good for tidying scratches and marks, this is very similar to the Spot Healing Brush. The one big difference is that you must Alt-click to sample a source before healing. So it's slightly more laborious, but useful for when the Spot Healing Brush slips up.



Good for spotting; lets you sample a source.



Often the Spot Healing Brush gives you the same result.

TOP TIP

Setting the Sample to Current And Below is useful when you have Adjustment Layers on top of your layer stack.



07 SHARPEN TOOL

Sometimes when you apply universal sharpening to an old print, it sharpens the print texture and grime rather than the details. When this happens, try selectively painting with the Sharpen tool. On an empty layer, set the tool to Sample All Layers with Strength at around 20%.



Much better than it used to be; lets you paint in sharpening.



Can look a little heavy-handed if over-done: use a separate layer.

TOP TIP

Keeping Protect Detail checked in the tool options helps to prevent heavily pixelated artifacts.



08 FACE-AWARE LIQUIFY

This tool can be useful if you need to rebuild part of a missing face by flipping the other half. Perfectly symmetrical faces can look a bit strange, however, so use the Face-Aware controls in Filter > Liquify to slightly skew the eyes or mouth - use reference from other photos if you have it.



Detects faces and facial features and lets you alter them.



Can look rather unsettlingly fake if overdone.

TOP TIP

When there are multiple faces in a photo, you can target them individually with the Select Face box.



09 DODGE AND BURN TOOLS

The Dodge and Burn tools let you selectively lighten or darken areas of your photos. They're particularly useful for emphasizing details in faded photos, as you can burn the shadows and dodge the highlights to increase contrast and punch in the most important areas of the picture.



Lets you control how the shadows, or highlights will behave.



These are destructive tools that alter pixels permanently.

TOP TIP

Hold Alt while using the Dodge tool to temporarily switch to the Burn tool, and vice versa.



10 DETAIL

The Detail Panel in Camera Raw (and under Filter > Camera Raw in Photoshop) is the best tool Photoshop offers for noise reduction and sharpening. Old prints are often soft, so use sharpening and a high radius to pull out detail, then compensate with the noise reduction Amount slider.



Lets you apply very effective sharpening and noise reduction.



Some sliders may appear not to have much effect.

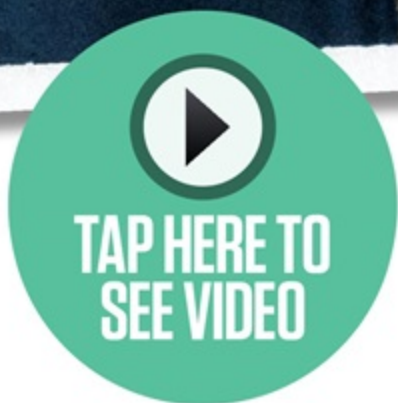
TOP TIP

Use Masking to control what's sharpened or not - hold Alt while dragging the slider to see what's masked.

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PART 3 **HAND-COLOR** **YOUR OLD PHOTOS**

Here's a simple, non-destructive way to give your old photos a hand-painted look with selections and Adjustment Layers...



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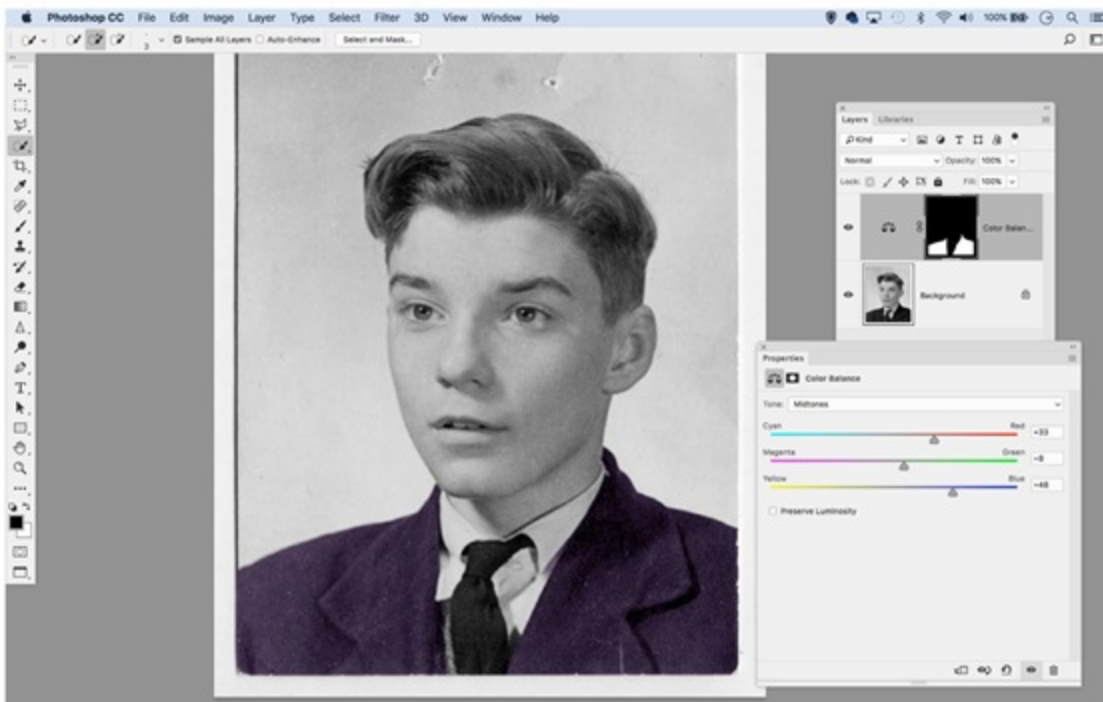
01 SELECT THE JACKET

Grab the Quick Selection tool from the Tools panel and paint over the jacket (or any portion of the image to be singularly colored). Hold Alt to subtract if the tool goes wrong at all. To get a smoother edge, go to **Select > Select And Mask** and increase the Radius and Smooth sliders.



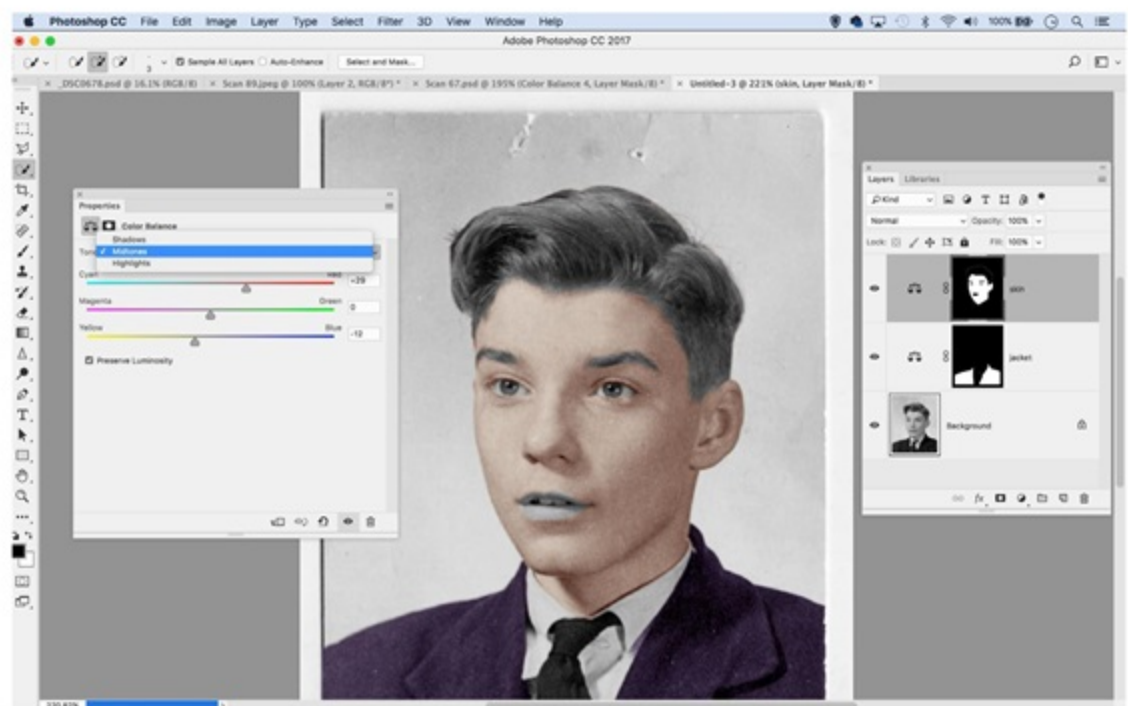
02 TINT THE AREA

Go to the Layers panel (**Window > Layers**) click the Create Adjustment Layer icon at the bottom, and choose Color Balance. Experiment with the sliders to add a tint. For extra control, target the Highlights, Midtones and Shadows and experiment with color shifts. Try unchecking Preserve Luminosity too.



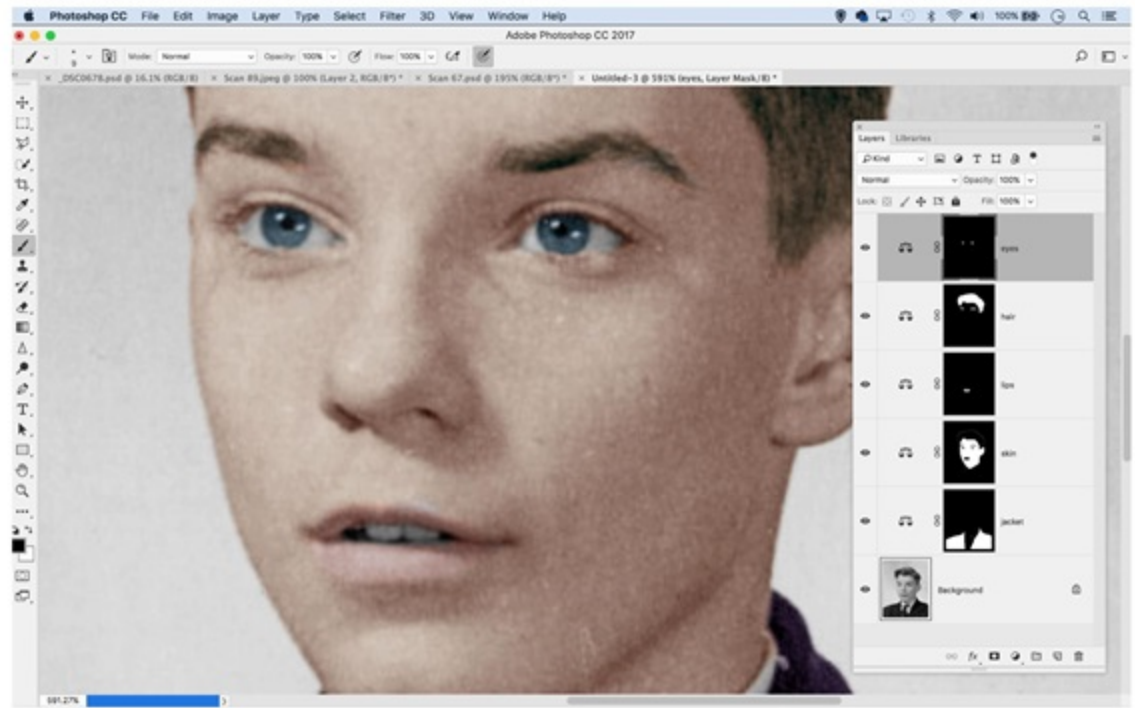
03 COLOR THE FACE

Highlight the bottom layer, then make a selection of a different area. We've selected the skin (except the lips, eyes and eyebrows). For a nice skin tone, we set Midtones: Cyan-Red +29, Yellow-Blue -12. Highlights: Cyan-Red +2, Yellow-Blue -8. Shadows: Cyan-Red +11, Magenta-Green -4, Yellow-Blue -6.



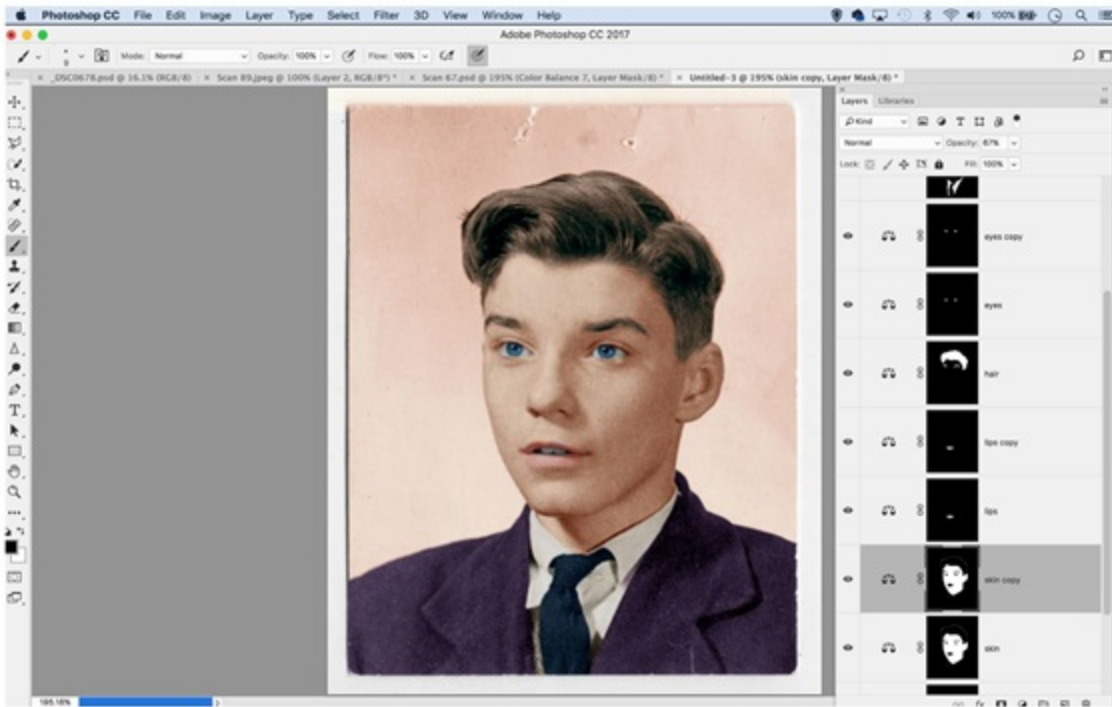
04 ADD MORE TINTS

Continue selecting other areas of the image and coloring them in different ways, naming the layers for parts of the face as you go. If you need to fine-tune an area that's covered, highlight the mask thumbnail of the corresponding Color Balance layer, then paint with white to reveal more color or black to hide it.



05 STRENGTHEN OR WEAKEN

Once all parts are done, tweak the settings until everything gels. If you need to tone a color down, lower the layer opacity of the Color Balance layer. To strengthen a color, duplicate the Color Balance layer with Ctrl/Cmd+J. Here we duplicated the skin and lips layers.



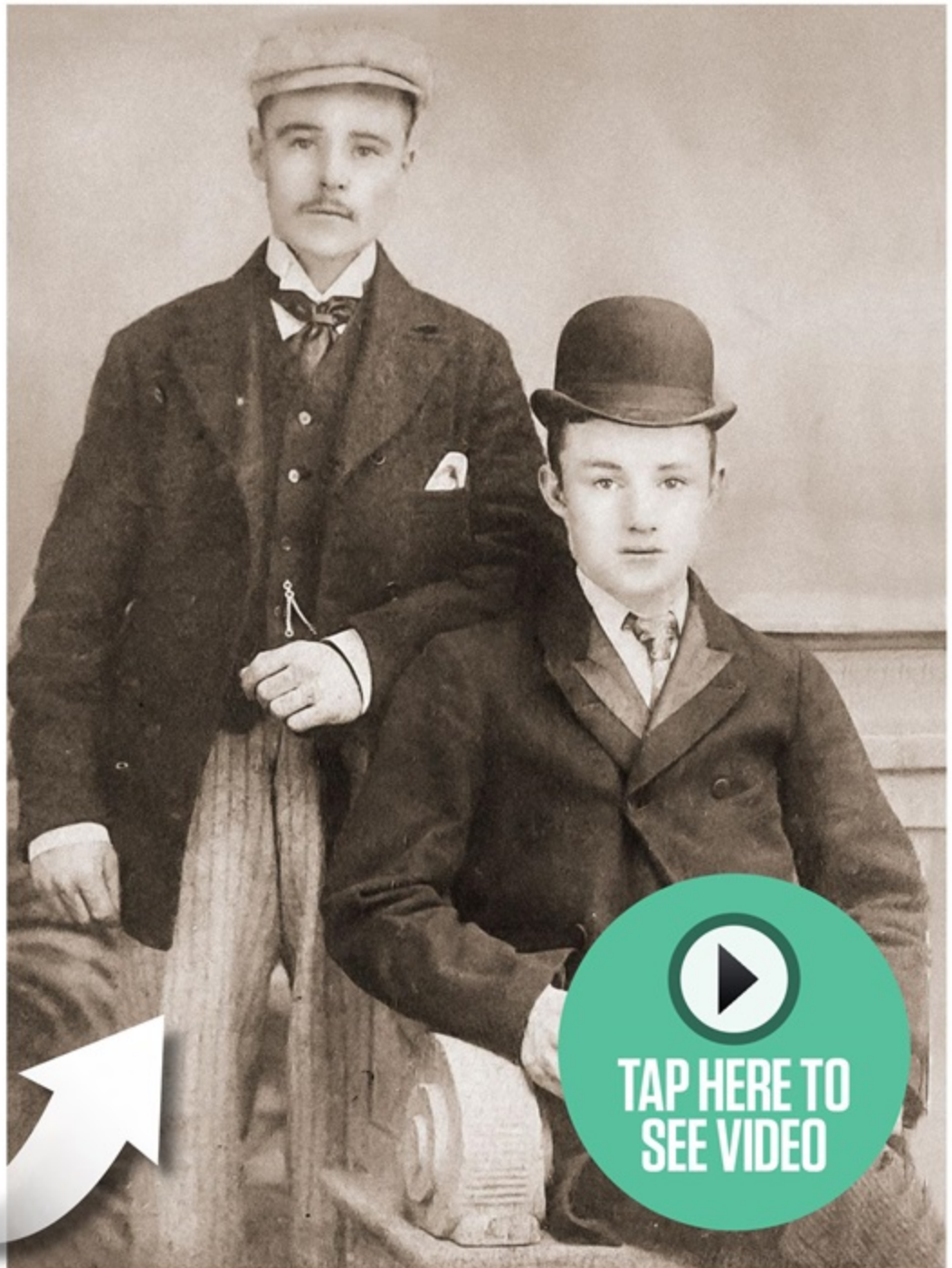
06 FINISHING TOUCHES

To sharpen and enhance the details, highlight the top layer then press Ctrl/Cmd+Shift+Alt+E to merge a copy of all layers. Go to Filter > Camera Raw Filter. Use the Basic tonal controls to add contrast. Next, go to the Detail panel. Apply Sharpening and Noise Reduction to finish off the image.



PART 4 FILTER FIX

Use the Dust and Scratches filter selectively and at different strengths to quickly cut through grime and fix photos

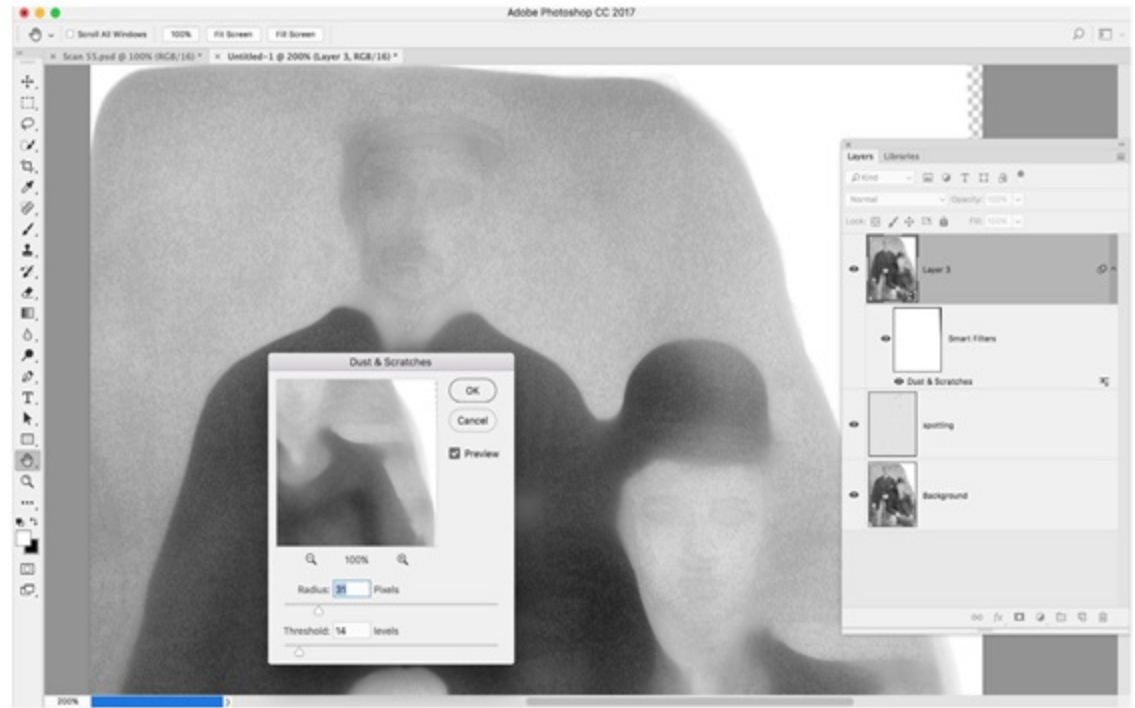


01 FIX THE TONES

Right-click your image in Bridge and choose Open In Camera Raw, then use the tonal sliders to enhance the tones and pull out detail, as shown. Next, open the image in Photoshop, make a new layer and use the Spot Healing Brush tool (set to Sample All Layers) to fix the larger marks and blemishes.

02 APPLY THE FILTER

Press **Ctrl/Cmd+Shift+Alt+E** to merge a copy of all layers. Right-click the new layer and choose **Convert to Smart Object**. Go to **Filter > Noise > Dust And Scratches**. Zoom in and experiment until it looks clearer. Radius controls strength, while Threshold controls what size marks are included.



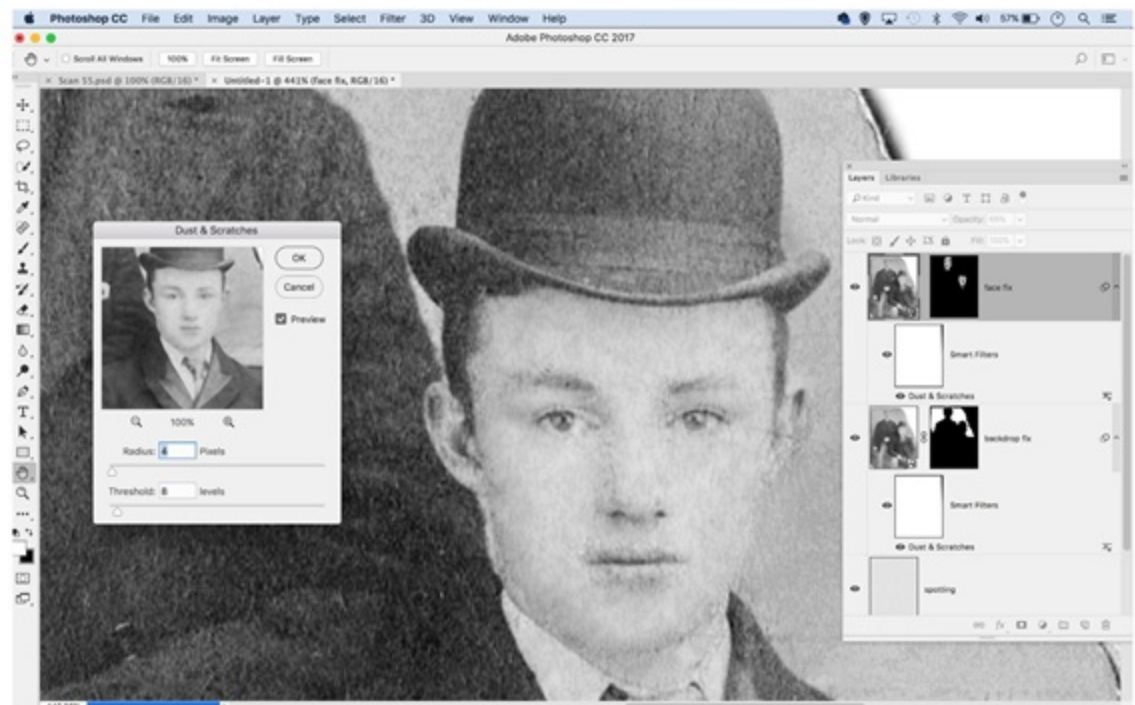
03 PAINT A MASK

Here Radius 31, Threshold 14 has cleared the background nicely, but it's left other details looking smudgy. So click **OK**, then click **Alt-click** the **Add Layer Mask** icon in the Layers panel to hide the effect behind a full black mask. Grab the **Brush** tool, set its color to white, and paint over the backdrop to reveal the filter effect.



04 ANOTHER FILTER

Press **Ctrl/Cmd+Shift+Alt+E** to merge a new layer, then go to **Filter > Noise > Dust And Scratches**. Tweak the settings to suit the faces; here we're at Radius 4, Threshold 8. Add a full black layer mask then paint with white to reveal the effect over the faces. Continue in the same way to finish the restoration.





PART 5



CREATIVE VINTAGE PHOTOS

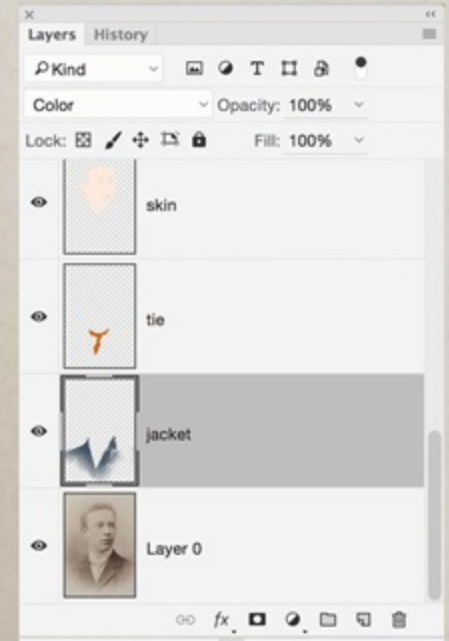
Give your old portraits a whole new lease of life or use them to create some original artwork, with these fabulous project ideas



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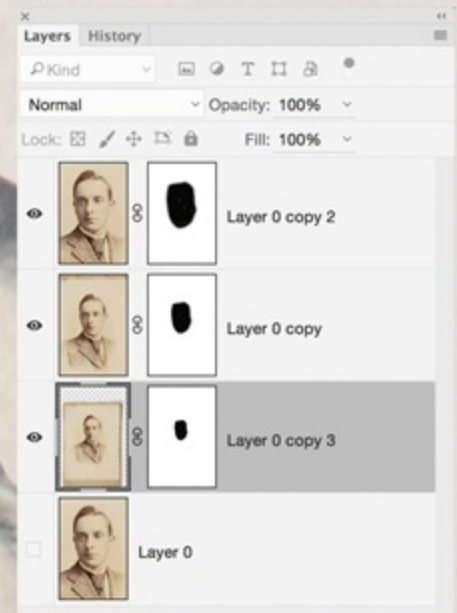


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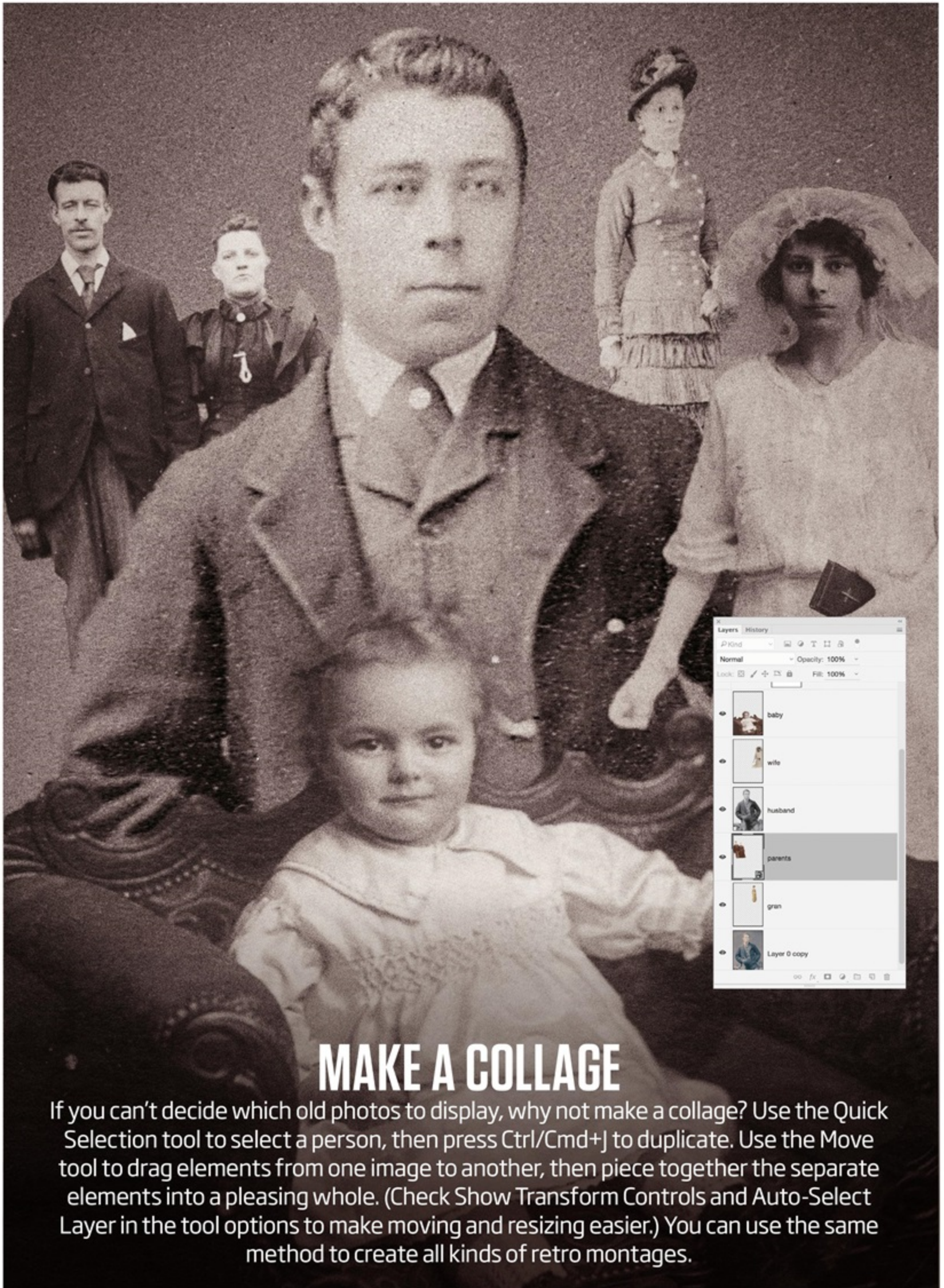
HAND-COLOR THE PORTRAIT

Open an image, go to the Layers panel (Window > Layers) and click the New Layer icon. Choose Color from the Blend Mode drop-down menu. Now grab the Brush Tool, choose a color and start painting. Use a separate layer for each element, and adjust the layer opacity to mute the colors. If an area looks too bright, make a duplicate of the color layer and set the Blend Mode to Multiply, then use a low-opacity layer to darken.



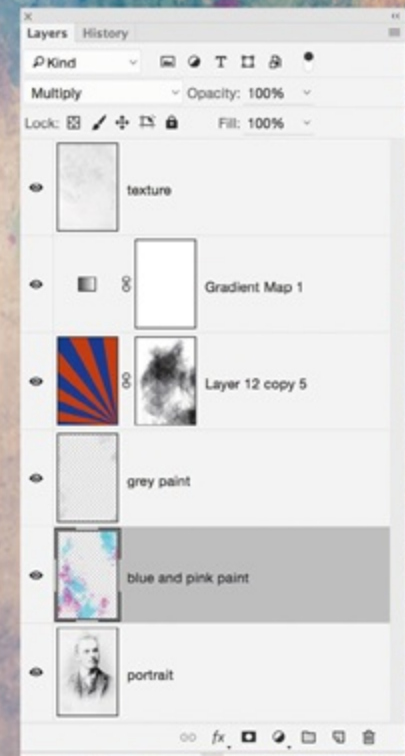
TAKE A SURREAL APPROACH

Why not subvert the subject matter? For an effect like this, open an image and add a layer mask, then grab the Brush tool, set its color to black and paint to hide the face. Press Ctrl+J (or Cmd+J in macOS) to duplicate the layer, and drag it below the first layer. Press Ctrl/Cmd+T to transform, then resize and position in the empty space. Duplicate and resize again. When you get to the center, discard the bottom layer's mask.



MAKE A COLLAGE

If you can't decide which old photos to display, why not make a collage? Use the Quick Selection tool to select a person, then press Ctrl/Cmd+J to duplicate. Use the Move tool to drag elements from one image to another, then piece together the separate elements into a pleasing whole. (Check Show Transform Controls and Auto-Select Layer in the tool options to make moving and resizing easier.) You can use the same method to create all kinds of retro montages.



CREATE BRUSH-BASED ART

You often see this kind of brush effect on posters and book covers. Start by downloading messy brushes like the watercolor brushes we've used here, found on the Creative Cloud App's Assets area. Make a new layer, set the Blend Mode to Multiply, then start dabbing the brushes, using the Brush panel to alter the angle of the brush tip for variation. You can also drop in textures (set their Blend Mode to Multiply) and blend in other color effects.



TAKE CONTROL OF YOUR RAW FILES

Control the mood and atmosphere of your raw files with a few simple Camera Raw tweaks. Here are four easy effects to try...

APPLY PICTURE STYLES TO RAW FILES

Have you ever noticed how if you shoot with your camera set to Raw+JPEG, the JPEG can look more vibrant than the raw? This is because the JPEG has a picture style applied to it in-camera, boosting color and contrast, while the raw file is left untouched. But there's a quick and easy way

to get your raws looking just as vibrant...

Tucked away in Camera Raw's Camera Calibration panel, the Camera Profile drop-down lets you choose from a range of familiar styles. The list will depend on your camera - for example, a Nikon NEF file offers

Camera Vivid and a Canon CR2 offers Camera Faithful.

After you open a new image, it's often worth heading straight to Camera Calibration to experiment with these profiles: they offer a variety of looks that can make a good starting point for further edits.



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01 THE NATURAL LOOK



For a natural portrait, begin by fixing any color casts in the photo. Grab the White Balance tool from the toolbar and click over a neutral tone. Next, adjust Exposure and tweak Contrast until the tones look bright and punchy. To make full use of the tonal range, hold down Alt and drag Whites and Blacks for a grayscale view that shows clipped pixels, stopping just short of where they begin to appear.

02 COOL IT DOWN



You can use the Basic panel's sliders to give portraits a cool, desaturated look. Begin this effect by dragging Temperature to the left to cool down the image, then tweak Tint. Next, try lowering Saturation to partially drain the image of color - you can get some interesting effects by boosting Vibrance too. To give the image a stylized look, increase Shadows, decrease Highlights and pump up Clarity.

03 GO RETRO



Go to the Tone Curve panel, click Point and target the Blue channel. Drag the bottom-left point up and the top-right point down to tint the shadows blue and the highlights yellow. For a film border effect, grab the Graduated Filter and set Exposure to -4.0, then drag short grads in from each side. For a light leak effect, load the tool with an orange color and +100 Saturation, then drag in from one side.

04 SEPIA TINT



Grab the Targeted Adjustment tool from the toolbar, right-click and choose Grayscale Mix. This will convert to black and white and let you drag up or down over the image to alter color brightness. For a sepia effect, go to the Split Tone panel. You can Alt-drag the Hue sliders for a temporary view of shadow and highlight tinting at 100% Saturation. Dial in saturation to suit.



JOINED AT THE LIP



James Paterson takes inspiration from a famous artist's technique and explains how to piece together a portrait collage



Back in the 1980s, artist David Hockney started piecing together Polaroids into collages that showed a subject from multiple angles. Hockney's 'joiners' captured the public imagination and made him a household name.

Since then the technique has been much imitated - but there's

still life in the effect it has on an everyday scene.

To begin, we shoot a set of portraits taken from different angles. Then we can either arrange our collage in Photoshop, piecing the images together, or take the old-school approach by printing out the photos and arranging them by hand.

PROJECT INFO

You'll learn

▶▶ Create a collage by piecing together cropped photos of a face

You'll need

▶▶ Photoshop
(or a set of prints)

It'll take

▶▶ One hour

▶▶ DOWNLOAD THE PROJECT FILES HERE <http://tiny.cc/7wzdjy> ON YOUR PC OR MAC ◀◀

CAPTURE THE SET OF IMAGES YOU NEED TO CREATE

01 CAMERA CONTROLS

These tend to be our stock exposure settings for outdoor portraits: Manual mode, shutter speed 1/250 sec, aperture f/4, Auto ISO. This way the shutter speed will be fast enough to freeze the action, and the wide aperture blurs the backdrop.

02 MOVE AROUND

Take a series of shots of the face; you'll need at least 20. Move around slightly as you shoot to get different angles. Try adding variety with your focus point; perhaps focus on the closest eye in one frame, and the furthest eye in the next.

03 SUBJECT MOVEMENT

As well as shifting your camera position, ask your subject to move between frames. Shoot them straight on, capture their profile, or position them at 45 degrees. For a strong shape to your collage, keep the neckline clear from clothing.



04 WHITE WALL

You can try the technique on any scene, but if you want to create the kind of strong shape of the head shown opposite, a simple, clean backdrop will work best as it helps to define the shape of the face. We used a plain white outdoor wall here.

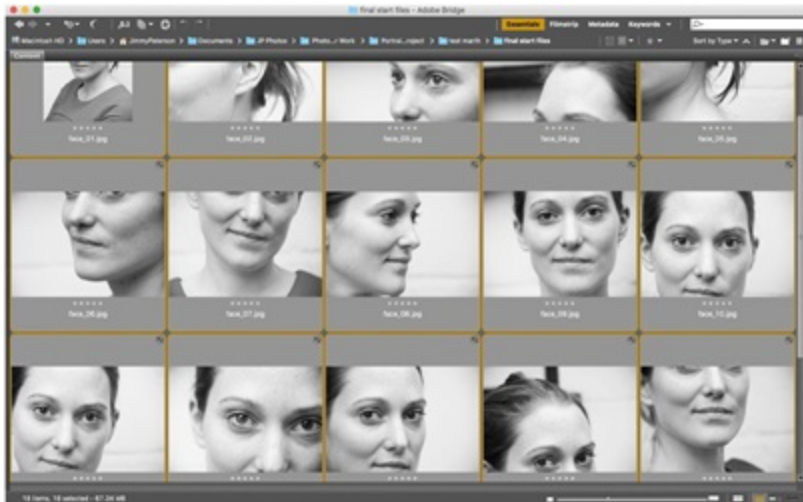
05 SOFT LIGHT

We shot our set of portraits outdoors on a cloudy day. Being soft and diffuse, not only is this kind of light flattering for portraits, it's also perfect for the 'joiner' technique as it means the light stays even and consistent across the different frames.

06 ZOOM LENS

You'll want to vary the crops as you shoot, with some frames tight to different parts of the face and others further away. A zoom lens like this will help you to shoot in this way. At longer focal lengths, brace the camera as you shoot to avoid shake.

PRACTICAL Photoshop® STEP BY STEP CREATE A DIGITAL COLLAGE



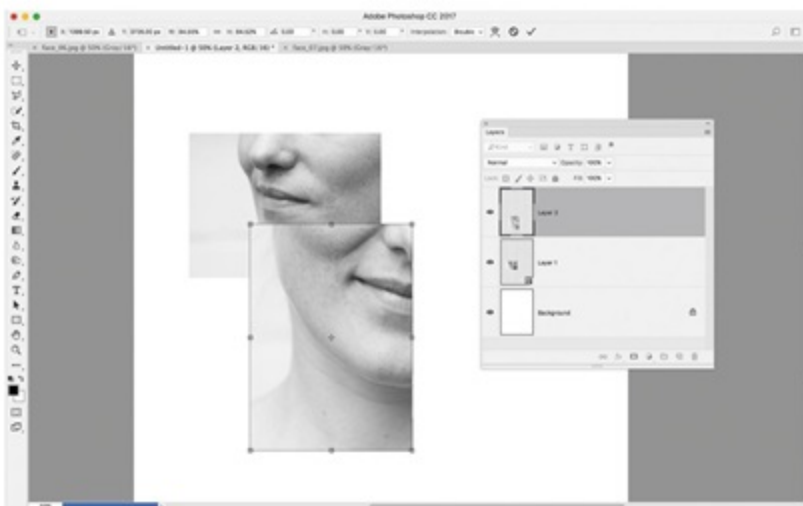
01 CONVERT ALL IMAGES TO MONO

In Adobe Bridge, right-click an image and choose Open In Camera Raw, then convert it to mono. Click Done. Right-click the image, choose Develop Settings > Copy Settings. Select the other files, right-click and select Develop Settings > Paste Settings.



02 COPY AND PASTE

Open an image. Select a portion with the Rectangular Marquee tool, then press Ctrl/Cmd+C to copy. Go to File > New and make a new A3 document with a white background. Paste in the selection. In the Layers panel, right-click the layer and select Convert To Smart Object.



03 RESIZE AND POSITION

Select the Move tool, check Show Transform Controls and Auto-Select Layer in its options. Move the piece roughly into position and click the corner of the box if you need to resize. (Hold Shift.) Open another image, select an piece, paste it in and position again.



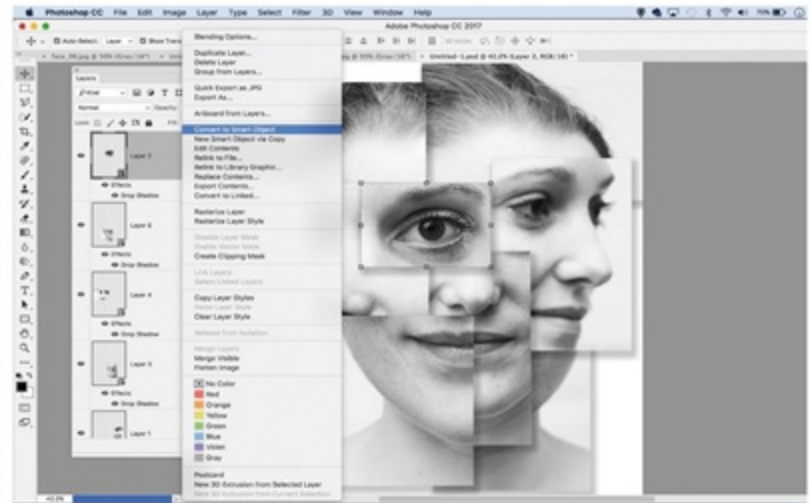
04 CREATE SHADOWS

To finish, we'll add shadows. Double-click any layer to open the Layer Styles box. Highlight Drop Shadow, then adjust the settings to tweak the shadow size and position. Once done, hold Alt and drag the drop-shadow effect from one layer to another to copy it.

PRACTICAL Photoshop® NON-DESTRUCTIVE EDITING



When you resize a pixel-based layer to be smaller, you're effectively throwing away pixels, which is a problem if you decide to go larger again. However, if you right-click it and choose Convert To Smart Object, you can resize with no loss in quality.



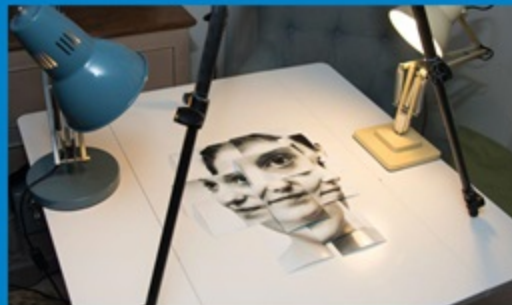
In a project like this there are several ways to create your montage. Using Snapshots, you can easily save a point in your workflow, then go back to it later if you choose. Create a snapshot from the History panel; it'll appear at the top of the panel.

STEP BY STEP THE OLD-FASHIONED APPROACH



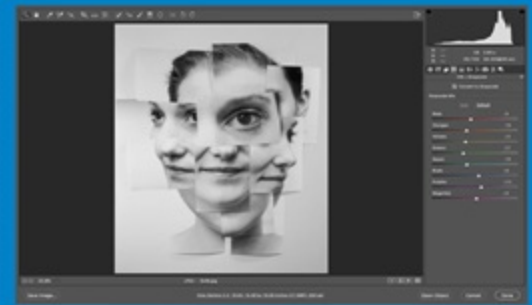
01 MAKE PRINTS

We used a high-street printer to make our 6x4 prints – some verticals, others horizontal – then laid them out on a white table. As in Photoshop, we can play with positions, but it feels more authentic to do it by hand, and the results are more random.



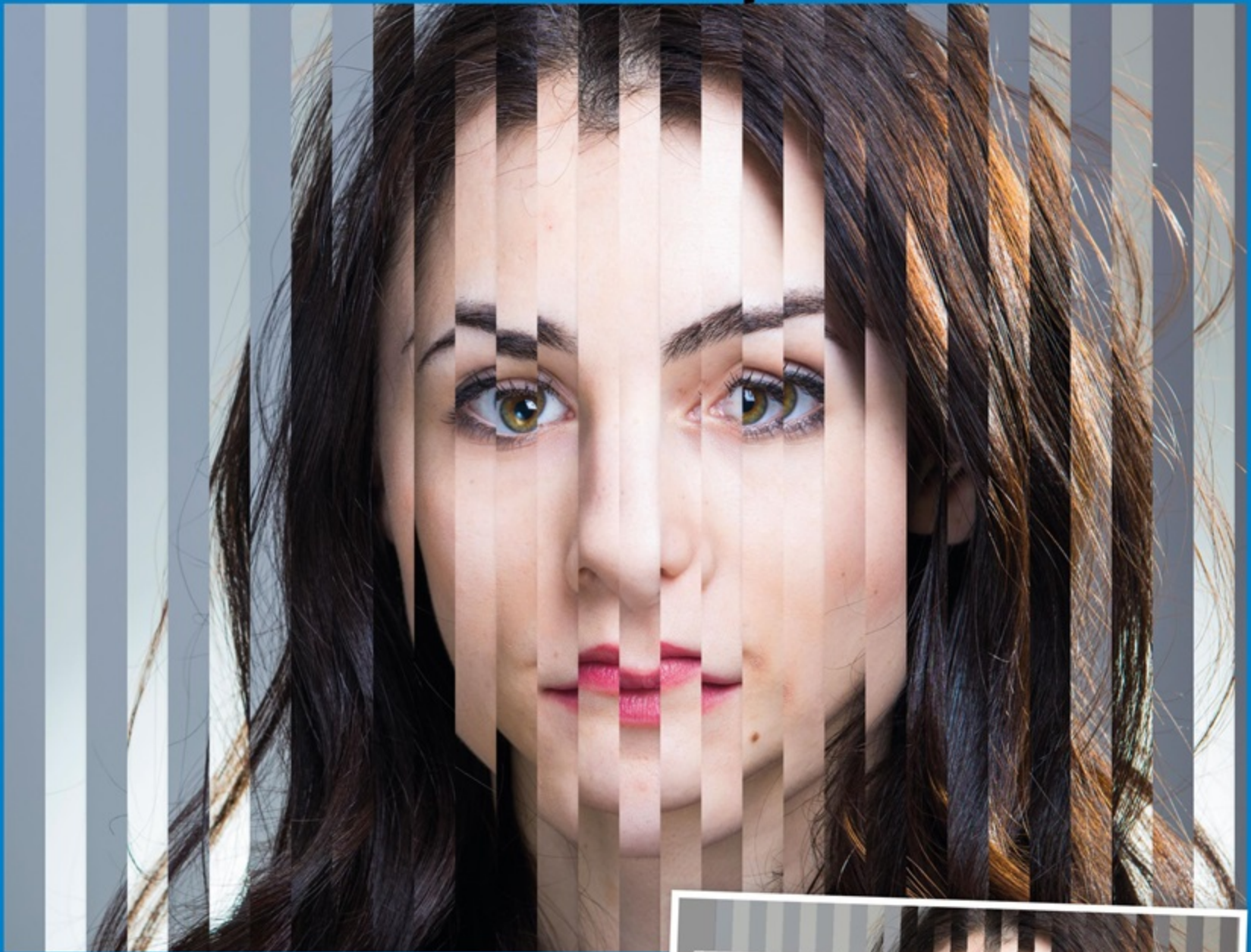
02 SET UP A COPY TABLE

For even lighting, position two equally powerful lamps either side of the artwork at a 45-degree angle. Set up a tripod directly above the prints and angle your camera straight down. Some tripods let you reverse the central column so the camera faces downwards.



03 SHOOT THE PRINTS

Check for hotspots and reflections over the prints and adjust the lights if necessary. Ensure the tripod legs don't cast shadows over the print. Set your camera to Aperture Priority at f/8, ISO 100 then take your shot. Fix any color casts or convert to mono in Photoshop.



WHY NOT TRY EXPERIMENT WITH IMAGE BLENDING?



There are plenty of other ways to combine two or more photos – like this slotted effect created with Photoshop



You can create all kinds of interesting effects by combining your portraits, including one like this. We start by copying one image on top of another in Photoshop.

Next we need a set of strips – either make your own or use the strip.png file provided. Copy this in, then in the Layers panel, drag the

strip layer in between the other two. Next, hold Alt and click the line dividing the strip layer and the top layer to clip the top layer.

Now the only parts visible will be those directly above the strip shape, which gives us our effect. If you like, add a drop-shadow to the strip layer.

LEARN LIGHTROOM TODAY!



▲ This month, find out how to make quick, simple edits in the Lightroom Library

◀◀ If you'd like to watch the complete course now, get the app from the Apple App Store

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ESSENTIALS

Your quick-start guide and reference
to image editing in Photoshop



If you're relatively new to editing in Photoshop, or you just don't know where to begin, then this section is the best place to get started. Over the next nine pages, you'll find an overview of the different versions of Photoshop available; a breakdown of the

typical image-editing workflow in Photoshop; an overview of raw file editing; a guide to the six most useful layers; and a glossary of the most useful shortcuts. This guide condenses most of the tools and techniques you'll use every time you import a new roll of pictures.



PHOTOSHOP CC

£8.57/\$9.99 PER MONTH WINDOWS, macOS



Photoshop is the software of choice for most professional and non-professional photographers. Beyond the standard photo-editing features, it boasts a vast array of more creative tools and filters. Layers are one of the key differences between Photoshop and Lightroom. They enable you to mask out selected parts to build up increasingly sophisticated images.



ELEMENTS 15

£79.10/\$99.99 WINDOWS, macOS



Elements is the consumer variant of Photoshop, and contains many of its key tools and features within a simplified interface. It's limited, but it does provide access to layers for those who have switched to a Lightroom workflow.

LIGHTROOM 6

£100.07 OR INCLUDED WITH CREATIVE CLOUD WINDOWS, macOS



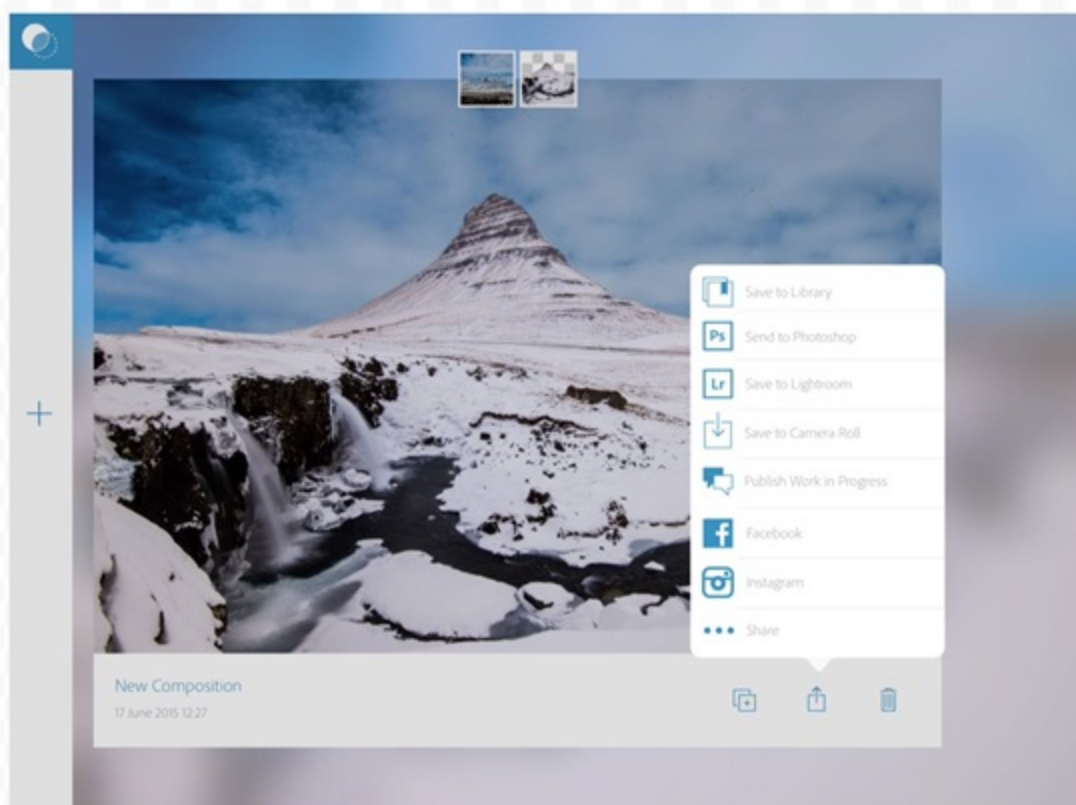
Lightroom combines the professional raw-processing tools in the more expensive Photoshop CC with the asset-organizing powers of the cheaper Photoshop Elements. Lightroom is available as a traditional boxed copy (Lightroom 6), and as part of a Creative Cloud subscription (Lightroom CC). Essentially, the applications are the same, except Lightroom CC has Creative Cloud support, ongoing updates, and access to the mobile and web workflows.

LIGHTROOM MOBILE

INCLUDED WITH CREATIVE CLOUD IPHONE, IPAD, ANDROID



Lightroom Mobile is the lightweight iPad, iPhone and Android version of the application, integrated with Lightroom CC but not Lightroom 6. To use Lightroom Mobile you need to sign up for an Adobe ID so that you can access the Adobe Creative Cloud. This enables you to create a collection of photos on your desktop copy of Lightroom and sync them via the Creative Cloud to Lightroom Mobile on your portable devices. You can then use Lightroom Mobile to edit or add ratings to your pictures.

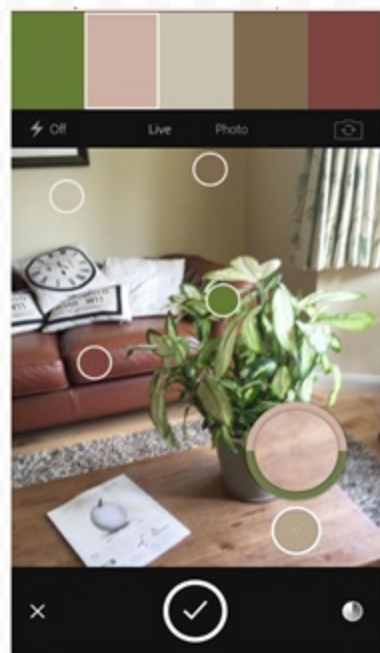


ADOBE PHOTOSHOP MIX

FREE IPAD, ANDROID



Mix enables you to merge two photos together to create a composite image. It offers a simplified compositing process that makes it easy for beginners to start combining an object from one image with a background from another. You can then send the composite to Photoshop for further edits. If you like, you can also use Mix to edit a single image. It offers a few simple tonal adjustments and more complex edits such as Content-Aware Fill.



ADOBE COLOR

FREE IPHONE, IPAD, ANDROID



If you ever need help selecting coordinated colors for your designs, try using Adobe Color. It enables you to create color themes from photos taken on your mobile device. This could be anything from a scene in your local park to a famous painting. So if you come across an inspirational scene, capture the colors and save them.

ADOBE SHAPE

FREE

IPHONE, IPAD, ANDROID



Adobe Shape enables you to turn photos and sketches into beautiful vector shapes for use in your designs or artwork. The app smooths out jagged edges in images, resulting in gorgeous vectors that are endlessly scalable, just as if you'd drawn them by hand with the Pen tool. Make a shape with the mobile app and the next time you open Photoshop on your desktop, the shape will sync to your Library. Drag it in to any document to add color and make further adjustments.

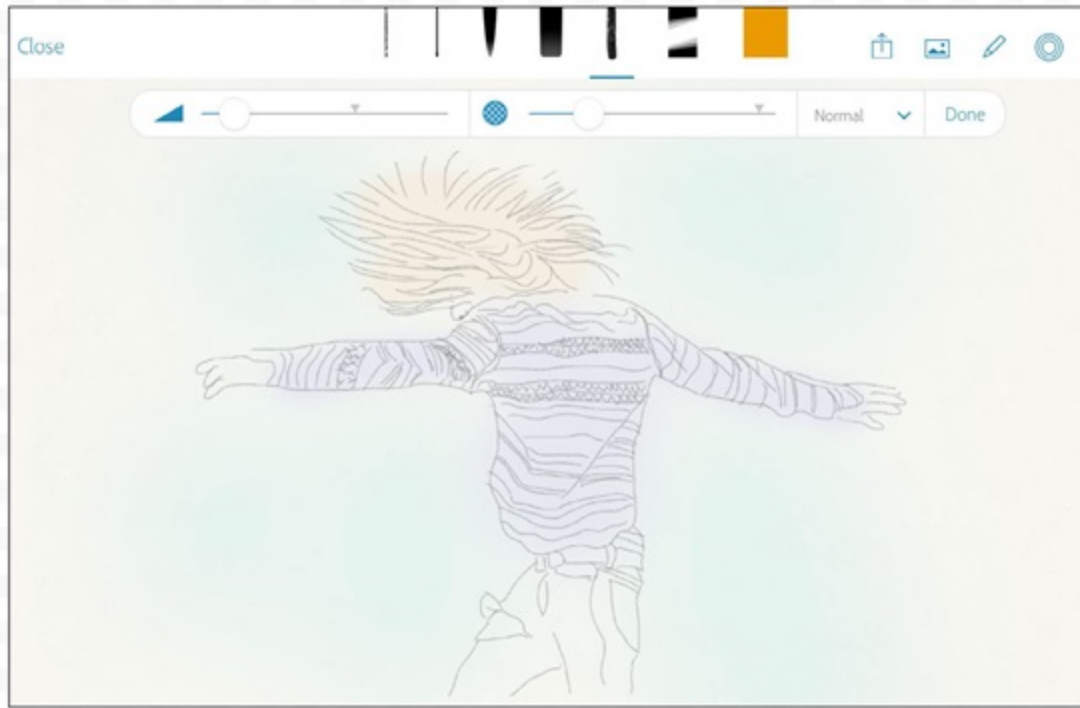
ADOBE BRUSH

FREE

IPHONE, IPAD, ANDROID



Adobe Brush enables you to make your own custom brushes from photos or sketches for use in Photoshop, Illustrator or the Sketch app. The most successful subjects are usually those that can be easily isolated, such as a splash against white, or a leaf against the sky. You can capture objects for your brush tips using your device's camera, choose from your camera roll, or use your Creative Cloud library. Once captured, you can then fine-tune the look of the tip and apply brush settings.



ADOBE PHOTOSHOP SKETCH

FREE IPAD



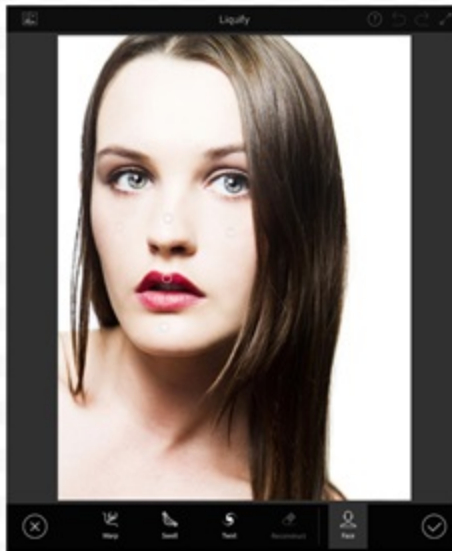
As the name suggests, this app enables you to paint freehand using a selection of brushes, colors and other tools. However, Sketch is more than just a painting app. It also enables you to connect with like-minded creatives, so you can follow artists and see their work updating. Once you're done sketching the image on your iPad, you can upload to the Sketch community or continue working on the image in Photoshop CC. You can also bring in brushes made with Adobe Brush, and for those who can't paint, there's an option to overlay images so you can trace over a photo. Sketch is compatible with Adobe's pen and ruler hardware, Ink and Slide, but you can get great results with your finger.

PHOTOSHOP FIX

FREE IPAD

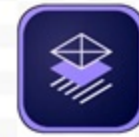


Fix is a retouching app for altering portraits and fixing marks or blemishes in your photos. Intelligent facial recognition locks onto eyes, lips noses and chins, making it easy to tweak a smile, tuck in a jawline or enlarge eyes, should you wish.



ADOBE COMP CC

FREE IPAD



If you're a designer who wants to build a quick layout for a web or print page, then Comp is the ideal place to start piecing ideas, images and text together. You can draw common design elements such as text or image boxes with quick gestures. For example, a couple of squiggly lines with a dot makes a header, and a cross makes an image box. It makes it easy to mock up a layout in seconds. You can then add words and graphics. The app even spits out a Photoshop, Illustrator or InDesign document.

BEHANCE CREATIVE PORTFOLIO

FREE IPAD, IPHONE



Behance is the online social space for creatives to share and showcase their portfolios, connect with one another, and find work. With work from the best photographers, digital artists and designers out there, it's also a great place to find inspiration for a new project. If you're a Creative Cloud subscriber you can set up a Behance page in minutes. The Behance app for iOS devices enables you to manage your page, while the Creative Portfolio app provides a polished portfolio.

THE IMAGE-EDITING WORKFLOW

Manage your photos from capture to output in three stages

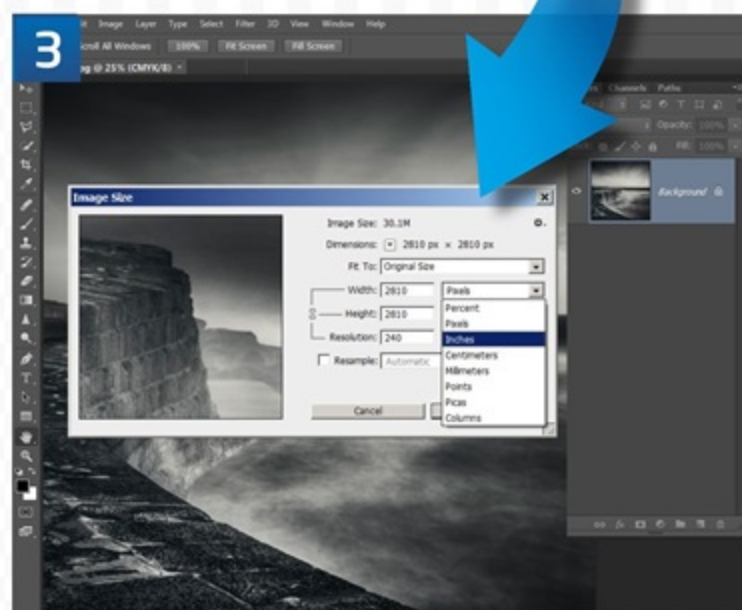
▶▶ The image-editing process begins as soon as you've transferred your photos from your memory card to your computer.

1 The first stage is to begin sifting through your pictures to discover which are the keepers. The image organizer that comes with Photoshop is ideal for this task. Adobe Bridge has controls for keywording, rating and filtering your images, and there are handy tools for batch renaming files, creating panoramic stitches, making contact sheets and more.

Launch Adobe Bridge and navigate to a folder containing new images. Use the cursor keys to quickly flick through the images and click below a thumbnail to add a star rating, or use the keyboard shortcut **Cmd/Ctrl+1-5**. You can then filter your images by the star rating to group the ones you want to work on.

2 The next step is to open the images from Bridge into Adobe Camera Raw. ACR is the best place to make initial changes to your images to boost tones and correct any problems with exposure and so on. It doesn't enable you to combine images - you'll use Photoshop for that - but it does enable you to make the kind of edits photographers need.

3 In Photoshop, you can further refine the image with layers and adjustment layers, which offer a much more flexible way of working than ACR. Once you've finished, it's time to share it with a wider audience. Go to **File>Save**, and your image will be saved as a Photoshop document (PSD). This keeps all the layers intact, which means you can go back and retweak the image at a later date. However, PSD files are large and take up lots of hard drive space. If you want to share your images online or via email or social media, save them as JPEGs.



THE BASICS OF RAW PROCESSING

Discover how to process your raw files to perfection



The latest version of the raw file processor included with Photoshop is so powerful that most photos can be processed entirely in the raw processor, with no need for further editing in Photoshop. And by making your adjustments in Adobe Camera Raw

rather than in Photoshop, you'll ensure the best possible image quality, because raw files contain more picture information than bitmap images such as un-layered PSDs and JPEGs. Here's our reference to the features you'll use the most in the Basic panel.

THE BASIC PANEL IN ACR

TEMPERATURE

Use this slider to warm or cool an image if the White Balance tool fails to correct a color cast

TINT

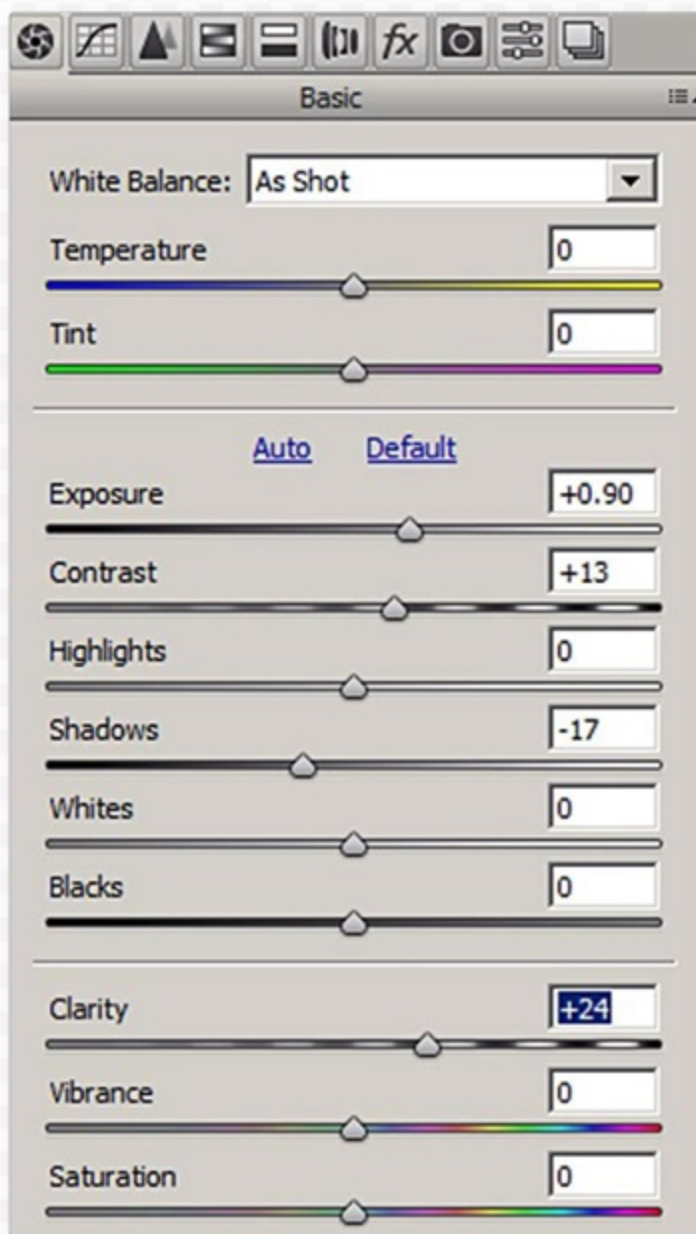
This slider enables you to correct a green or magenta cast, again, if the White Balance tool fails

EXPOSURE

Controls the overall brightness of the image

BLACKS

Sets a point on the tonal range at which pixels should be pure black



SATURATION

Controls the overall color intensity of the image

CONTRAST

Makes light pixels brighter and dark pixels darker

HIGHLIGHTS

Controls the brightness of the lightest pixels

SHADOWS

Controls the brightness of the darkest pixels

WHITES

Sets a point on the tonal range at which pixels should be pure white

CLARITY

Controls the amount of midtone contrast

VIBRANCE

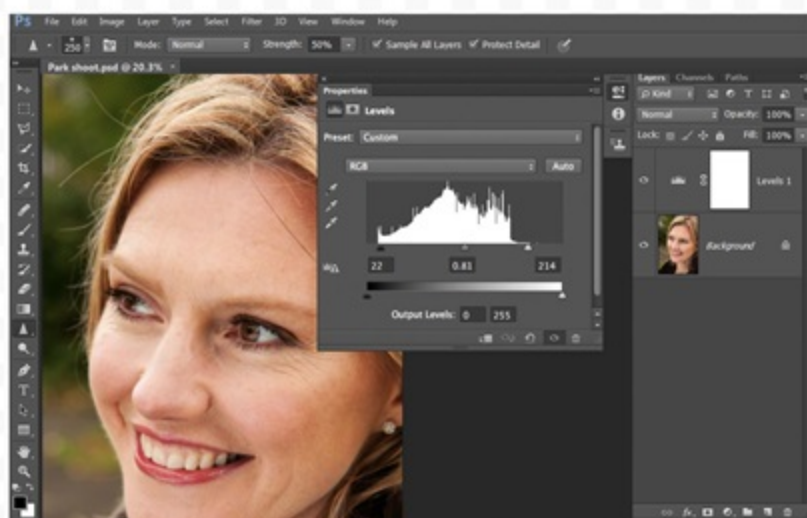
Adjusts the intensity of the less-saturated colors

SIX ESSENTIAL LAYERS FOR PHOTOS

The six most frequently used Photoshop layers for image editing, and how to use them to improve almost any photo

▶▶ Photoshop has many types of layers and adjustment layers available, but there are six that you'll find you need to use again and again. Learning how they should be

used may seem a little daunting for beginners, but once you've got to grips with them, you'll find they play a part in the creative process of almost every image you make.

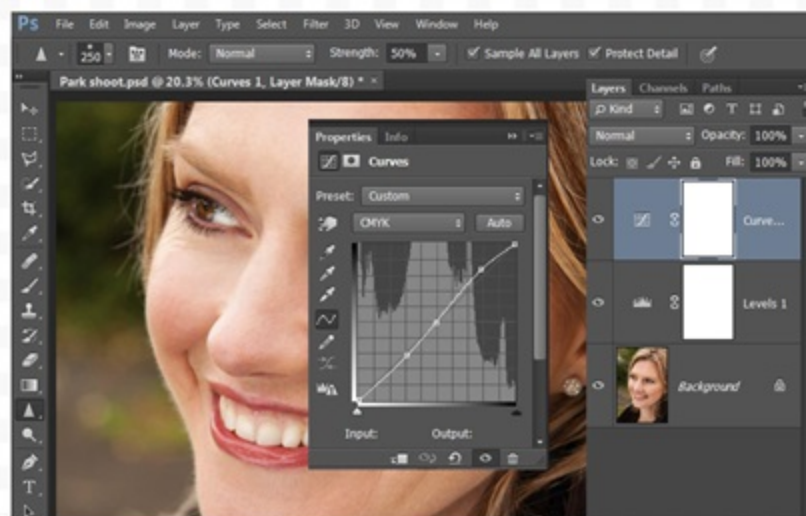


01 LEVELS

This should be the first layer you add to an image, because it fundamentally alters the tonal range of the entire image. Create a Levels Adjustment Layer, drag the Black Point slider inwards until it touches the left-hand edge of the histogram, and drag the White Point slider inwards to the right-hand edge. This remaps the tones of the image to make more of the available tonal range.

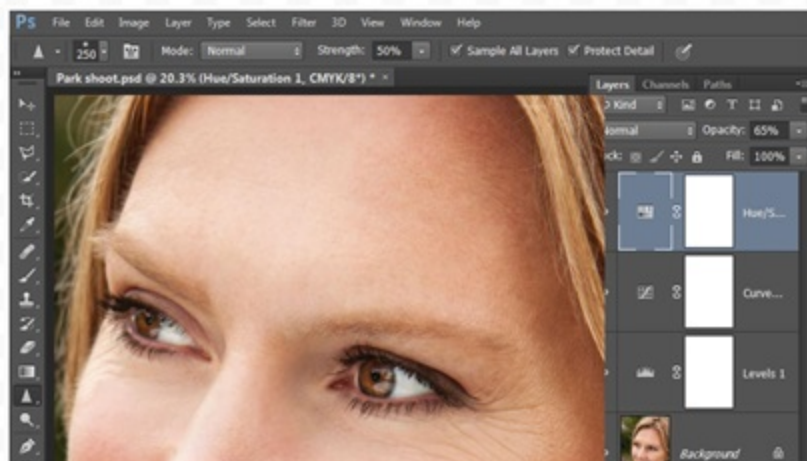
02 CURVES

Curves is one of the most powerful adjustment layers. An S-shaped curve brightens the highlights and darkens the shadows, resulting in extra contrast. Create a Curves Adjustment Layer and click the middle of the diagonal line to add a central control point. Drag down on the lower part of the line and drag up on the upper part of the line to improve image contrast.



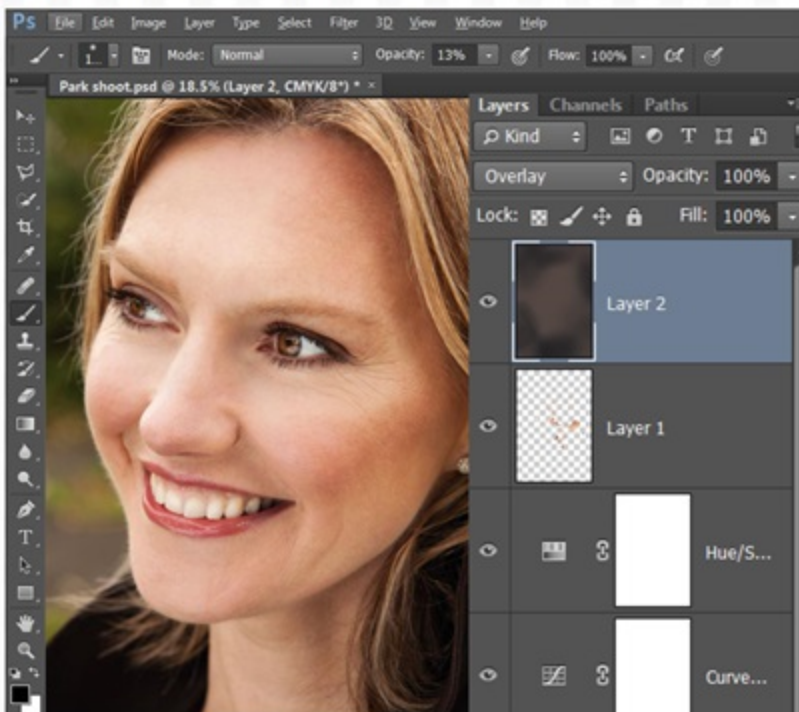
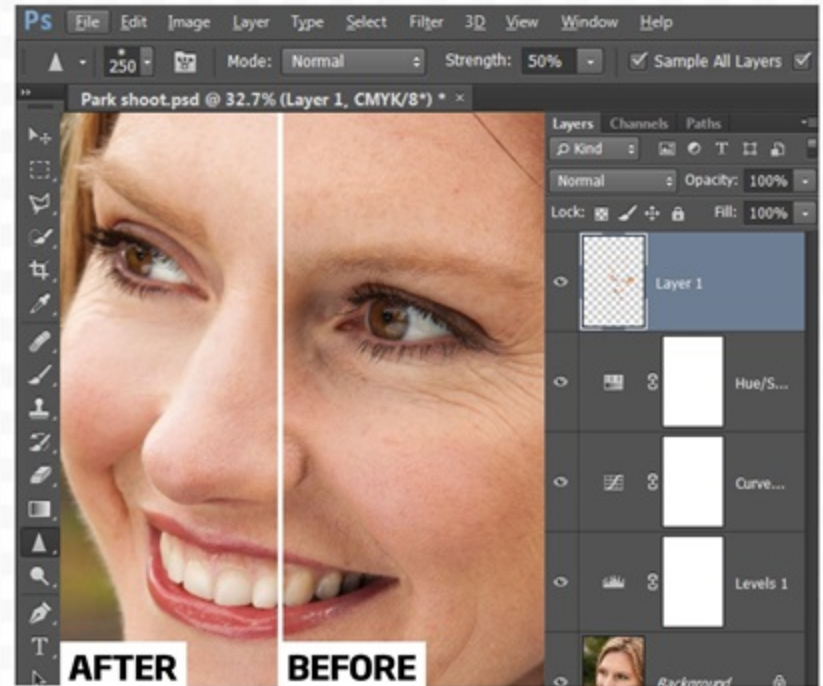
03 HUE/SATURATION

This adjustment layer is best used for altering the intensity and brightness of individual color channels in an image – greens and blues in landscapes, for instance. Create a Hue/Saturation Adjustment Layer, click the Master menu and choose the color channel you'd like to adjust. Small changes are usually the most effective.



04 HEALING LAYER

Most photos contain unwanted marks or blemishes. The Spot Healing Brush tool is effective at removing these. The best way to apply the healing is on a new blank layer, so that you can easily tone down or remove selected healing work later without having to start from scratch because you healed directly on the background layer. To do this, create a new blank layer, choose the Spot Healing Brush tool from the Tools panel and tick Sample All Layers on the Options Bar, then continue as normal.

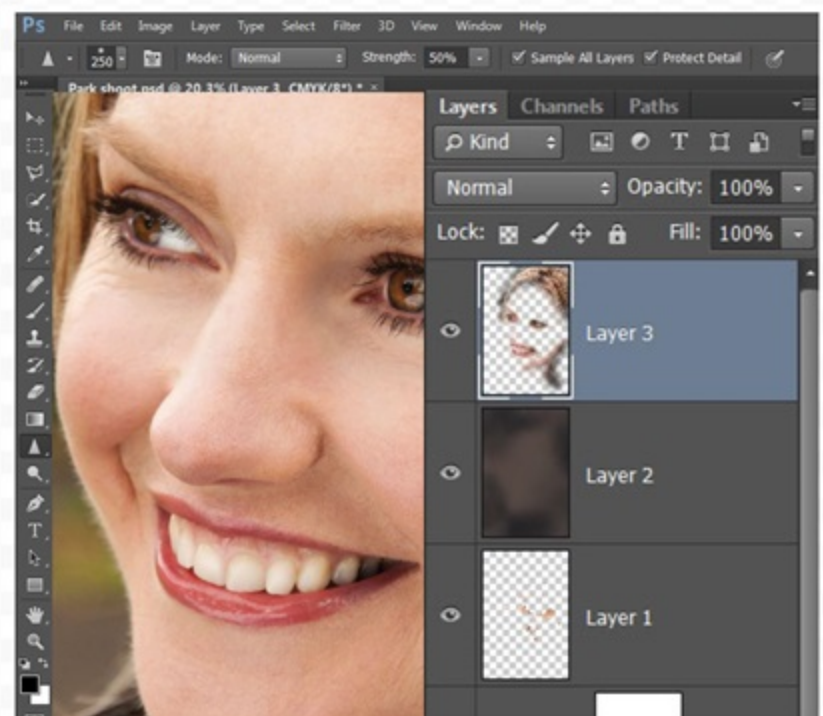


05 DODGE AND BURN

One of the best ways to enhance a photo is by lightening or darkening selected areas of the image. This can be done with the Dodge and Burn tools, but rather than use them directly on the image, a separate grey layer gives you greater control. To create a Dodge and Burn layer, hold down Alt and click the Create a new layer icon in the Layers panel. Give the layer a name, then choose Mode: Overlay. Check Fill with Overlay-neutral color and click OK. Now use the Dodge and Burn tools (with Range set to Midtones) to work on the new layer.

06 SELECTIVE SHARPENING

Once all other adjustments have been made, you need to sharpen the image for output. The traditional way is to create a merged layer at the top of the stack, apply Unsharp Mask, then paint on the mask to remove the sharpening from those parts of the image you want to remain soft. However, the Sharpen tool enables more control over the process by enabling you to build up the effect by brushing repeatedly with a low opacity brush. Create a new blank layer, select the Sharpen tool, tick Sample All Layers and set a Strength of 50% or lower.



14 ESSENTIAL KEYBOARD SHORTCUTS

14 keyboard shortcuts that will massively improve your speed and efficiency while working in Photoshop

D

Reset the foreground and background colors to black and white

ALT+[SCROLL WHEEL]

Zoom in or out of the image

CMD/CTRL+SHIFT+ALT+E

Create a merged copy of all the layers in the layer stack

SPACE BAR

Temporarily switch the current tool to the Hand tool, for moving around the image while zoomed in

ALT+[EYE ICON]

Switch off the visibility of all other layers in the layer stack, for before-and-after comparisons

CMD/CTRL+I

Invert the color of a layer mask to black

SHIFT+[LAYER MASK]

Disable the effects of a layer mask

X

Switch the foreground and background color swatches

[OR]

Resize the brush tip

SHIFT+[OR]

Cycle backwards or forwards through the layer blend modes

CMD/CTRL+ALT+Z

Undo the last change made to the document. Works multiple times

CMD/CTRL+[LAYER MASK]

Load the currently active layer mask as a new selection

CMD/CTRL+T

Activate the Free Transform tool

CMD/CTRL+J

Duplicate the current layer

PRACTICAL Photoshop®

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WELCOME

One of the biggest photography events in Europe, big name photographers, manufacturers, distributors, retailers, passionate pros and keen amateurs convene at the NEC in Birmingham for The Photography Show.

The Photography Show is a unique chance to try out the hottest new cameras and accessories, hear top photographers share their insights and secrets, see stunning images galleries, and snap up exclusive retailer show deals.

Plus, pay the normal rate for your first day and get the other days half price – see www.photographyshow.com/registration for details. What's more, verified professional photographers and trade representatives can get in free on all days, while students go free on the Tuesday (with a concessionary rate on Saturday, Sunday or Monday). See our website too for discounts on train tickets and on hotels.

We have lots of new features this year, as well as old favourites. Check out our new Drone Zone with its programme of flying displays and practical demos. Learn about the new world of 360° photography at our VR theatre. And check out our expanded programme for professional photographers.

There are hundreds of free talks to choose from, but there are some extra special events to sign up for too, such as the Pro Conference, the Beginner's Masterclass, and the Turning Pro Masterclass. Plus there are nine megastars on our special Super Stage. Book your tickets to see them now, and see you there!

SHOW OPENING TIMES

Saturday, 18 March 2017
10:00 – 17:00

Sunday, 19 March 2017
10:00 – 17:00

Monday, 20 March 2017
10:00 – 17:00

Tuesday, 21 March 2017
10:00 – 17:00

PLAN AHEAD

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in advance. Discounts
end on 15 March 2017



Chris George

Group Editor-in-Chief

Digital Camera, PhotoPlus, Digital Photographer, N-Photo, Photoshop Creative, Practical Photoshop, Photography Week



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New details about the events at the show are being released all the time, so keep up to date by downloading the free official show app onto your smartphone or tablet. Search the Apple App Store or Android Google Play for **The Photography Show 2017**.

The Dragon's Egg



Location: Moeraki Boulders,
South Island, New Zealand

Nikon D810 | Nikkor 14-24mm
@ 14mm | ISO 100 | f/14 | 10 seconds

LEE Filters SW150 Mark II Filter Holder,
0.9 ND Hard Grad + Little Stopper

As I set up on the beach, the sky began to turn red. I looked for a simple composition, and found it in the shape of this 'dragon's egg', which I placed in the lower left third. To capture the slow, receding movement of the sea, I would need a long exposure.

I used my Nikkor 14-24mm lens and LEE SW150 Mark II filter holder with a 0.9ND hard grad to help stop down the sky, which in this case was at least 4 stops brighter than my foreground. This was then combined with a Little Stopper to increase my exposure time, giving me that soft minimal long exposure look that I love.

Being able to use the SW150 system on my 14-24mm lens means I can now perfect my long-exposure effects in camera, and only have to make minimal adjustments in postproduction.



Sarah Hatton
www.iso100.com.au



leefilters.com

FREE TALKS

Saturday, 18 March

BEHIND THE LENS

Pros share tips and tricks, and talk about their latest projects.

11:00 - 11:40

Coastal visions
Karl Holtby

12:00 - 12:40

Capturing the magic
Bella Kotak

13:00 - 13:40

Expedition photography:
Chasing swans from
blizzards to Blighty
Ben Cherry

15:00 - 15:40

Astrophotography for
everyone
Steven Clarey

16:00 - 16:40

Getting more from
your camera
Angela Nicholson

LIVE STAGE

Powered and presented
by  EIZO

Demonstrations from leading
photographers on how to shoot
a wide range of subjects.

11:00 - 11:30

Creative styling and live
lighting demo
Stephanie Ann Thornton

12:00 - 12:30

Master dance photography
Andrew Appleton

13:50 - 14:30

Outdoor Photographer
of the Year
*Presented by Outdoor
Photography magazine*

15:00 - 15:30

An insight into food
photography
*Jenny Heyworth and
Catherine Connor*

16:00 - 16:30

Shooting the big day
Greg Moment

MOBILE & SOCIAL

Learn how to use social media to
promote your work – and how to
use your smartphone's camera
in a creative way.

12:00 - 12:30

How to start and maintain a
successful YouTube channel
*Imogen Dyer and
Mark Wilkinson*

13:00 - 13:30

The evolving power
of photography and
social media
Levanterman

14:00 - 14:30

Why you should create
'behind the scenes' content
for your work
Tommy Reynolds

15:00 - 15:30

My Instagram adventures
with Eric the stormtrooper
Darryll Jones

16:00 - 16:30

Creating films for
social media
Xanthe Berkeley

ADOBE THEATRE

Series of 30-minute sessions led
by Adobe's own creative experts
on how to get the most from
Photoshop and Lightroom

10:15 - 10:45

Combining Lightroom and
Photoshop CC in your
retouching workflow

11:00 - 11:30

Making your photos look
amazing with Lightroom CC

11:45 - 12:15

Using Lightroom Mobile
in your workflow

12:30 - 13:00

Photoshop CC for
photographers

13:15 - 13:45

Starting out with Lightroom CC

14:00 - 14:30

Contributing to Adobe Stock
for photographers

14:45 - 15:15

Fundamental imaging
techniques of post
production
David Noton

15:30 - 16:00

Mastering the basics
of Lightroom CC

16:15 - 16:45

Using Mobile apps to create
and publish your work

VIDEO THEATRE

Presented by Panasonic

Catch talks including Nick
Driftwood's Filming in 4K and
6K photo mode, Scouting,
producing, shooting and editing
by Jonathan Edwards, plus

insight into what drones can add
to your videography?

DRONE ZONE

See the latest in drone
kit and technology, flying
demonstrations from the likes
of Yuneec, DJI and PowerVision,
plus instruction, inspiration
and tips from top UAV training
provider Aerial Motion Pictures.

VIRTUAL REALITY & 360

Insight on VR and 360° from
photographers such as Nick
Driftwood and Drew Gardner.
Learn about new kit from Nikon,
Ricoh and more, see what
360° can bring to wedding
videography with Olympus
visionary John Nassari and learn
about editing 360° images.

*Check website for the
programme of talks.*

Spaces at these
free talks are
limited, so if
you want to
make sure of a
seat, get to the
session early.
All of the stages
and theatres
are around the
edges of the hall
(see the map on
pages 24-25).

PROPER ROADY PHOTO COLLECTION

If photography is your passion you are constantly on the lookout for the perfect moment, you want to get everything right - the scene, your subject, your camera, the right choice of lens and your camera bag. With all this in mind, we have expanded the popular Proper Roady collection with a range of camera bags. All Proper Roady Photo bags were developed to carry your loyal camera companion and accessories so that you are at the ready to capture the perfect moment.

The collection is available in various sizes and three different colours.



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FREE TALKS

Sunday, 19 March

BEHIND THE LENS

Pros share tips and tricks, and talk about their latest projects.

11:00 - 11:40

Big pictures, small cameras
Ross Grieve

12:00 - 12:40

Panel discussion: Making a name in photography
Laura Pannack, Lottie Davies, Natasha Caruana and Anna Fox

13:00 - 13:40

Extraordinary images of extraordinary people
Richard Bradbury and Paul Wilkinson

14:00 - 14:40

The art of long exposure landscape photography
John Miskelly

15:00 - 15:40

Turn on the light, your passion is calling: a creative's guide to authenticity
Clare Louise

16:00 - 16:40

Telling stories and making a difference
Luke Massey

LIVE STAGE

Powered and presented by  **EIZO**

Demonstrations from leading photographers on how to shoot a wide range of subjects.

11:00 - 11:30

Multiple looks with minimal kit
Tom Barnes

12:00 - 12:30

The freestyler: capturing sports action and movement

13:00 - 13:30

The secret to relaxed children's portraits
Saraya Cortaville

15:00 - 15:30

Five minutes in Photoshop
Angela Nicholson

16:00 - 16:30

Lighten up
Gavin Hoey

MOBILE & SOCIAL

Learn how to use social media to promote your work – and how to use your smartphone's camera in a creative way.

12:00 - 12:30

It's not all about the numbers
Bert Stephani

13:00 - 13:30

Seeing differently: alternative travel photography
Martina Govindraj

14:00 - 14:30

My Instagram adventures with Eric the stormtrooper
Darryll Jones

15:00 - 15:30

Modern social media in your business
Kevin Mullins

16:00 - 16:30

Visual storytelling through iPhoneography
Sara Tasker

ADOBE THEATRE

Series of 30-minute sessions led by Adobe's own creative experts on how to get the most from Photoshop and Lightroom

10:15 - 10:45

Combining Lightroom and Photoshop CC in your retouching workflow

11:00 - 11:30

Making your photos look amazing with Lightroom CC

11:45 - 12:15

Using Lightroom Mobile in your workflow

12:30 - 13:00

Photoshop CC for photographers

13:15 - 13:45

Contributing to Adobe Stock for photographers

14:00 - 14:30

Using Mobile apps to create and publish your work

14:45 - 15:15

Fundamental imaging techniques of post production
David Noton

15:30 - 16:00

Mastering the basics of Lightroom CC

16:15 - 16:45

Start out with Lightroom CC

VIDEO THEATRE

Presented by **Panasonic**

Learn about subjects such as underwater filming, film making with CSCs, and making creative short films.

DRONE ZONE

See the latest in drone kit and technology, flying demonstrations from the likes of Yuneec, DJI and PowerVision, plus instruction, inspiration and tips from top UAV training provider Aerial Motion Pictures.

VIRTUAL REALITY & 360

Insight on VR and 360° from photographers such as Nick Driftwood and Drew Gardner. Learn about new kit from Nikon, Ricoh and more, see what 360° can bring to wedding videography with Olympus visionary John Nassari and learn about editing 360° images.

Check website for the programme of talks.

Many of our exhibitors have free talks and demonstrations on their stands too. Check on our website, or on the free app (see p3) to get the latest details of everything that's going on.

INTRODUCING A NEW COLLECTION OF TRIPODS,
CAMERA BAGS AND HEADS FROM VANGUARD



ALTA COLLECTION

Inspired by feedback from photographers from around the world, the Alta Collection reaches a new level of innovation and versatility. This stylish and function-rich collection of tripods, camera bags and heads have solutions for all photography techniques.



ALTA PRO 2 | **ALTA SKY** | **ALTA FLY** | **ALTA RISE** | **ALTA ACTION**



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STAND H31

FREE TALKS

Monday, 20 March

BEHIND THE LENS

Pros share tips and tricks, and talk about their latest projects.

11:00 - 11:40
Landscape's reward
Charlie Waite

12:00 - 12:40
The Folklore Project:
recording Britain's stories
Hugh Hastings

13:00 - 13:40
The DIY photographer
Jason Parnell-Brookes
from *N-Photo* magazine

14:00 - 14:40
Shoot more, edit less.
Ryan Welch

15:00 - 15:40
In conversation with Lisa
Barnard
Lisa Barnard and
Jean Wainwright

16:00 - 16:40
Bringing architecture to life
Tobi 'Tobishinobi'
Shonibare

LIVE STAGE

Powered and presented
by  **EIZO**
Demonstrations from leading
photographers on how to shoot
a wide range of subjects.

11:00 - 11:30
Creativity and safety in
newborn photography
Melanie East

12:00 - 12:30
The art of flattery
Stephen Perry

13:00 - 13:30
The importance of the
engagement shoot
Brett Florens

14:00 - 14:30
Live catwalk show
Jane Kelly

15:00 - 15:30
Shooting creative portraits
using colour gels
Rossella Vanon

16:00 - 16:45
Joe McNally lighting masterclass
Joe McNally

MOBILE & SOCIAL

Learn how to use social media to
promote your work – and how to
use your smartphone's camera
in a creative way.

12:00 - 12:30
Instagram: your platform,
your style, and your
journey to pro
Tobi 'Tobishinobi'
Shonibare

13:00 - 13:30
Beyond the lens:
embracing the future
with mobile photography
Mark Tipping

14:00 - 14:30
How to build your
Instagram profile
Zoe Timmers

15:00 - 15:30
Modern social media in
your business
Kevin Mullins

16:00 - 16:30
Beyond the lens: embracing
the future with mobile
photography
Mark Tipping

ADOBE THEATRE

Series of 30-minute sessions led
by Adobe's own creative experts
on how to get the most from
Photoshop and Lightroom

10:15 - 10:45
Combining Lightroom and
Photoshop CC in your
retouching workflow

11:00 - 11:30
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Fundamental imaging
techniques of post
production
David Noton

15:30 - 16:00
Making your photos look
amazing with Lightroom CC

16:15 - 16:45
Contributing to Adobe Stock
for Photographers

VIDEO THEATRE

Presented by **Panasonic**
Hear from Steven Clarey about
mixing stills and video work,
and how taking to the air can
improve your business from
Brent Kirkman. James Vellacott

shares his experience of working
with directors, producers and
DoPs, and where video trends
will go next

DRONE ZONE

See the latest in drone
kit and technology, flying
demonstrations from the likes
of Yuneec, DJI and PowerVision,
plus instruction, inspiration
and tips from top UAV training
provider Aerial Motion Pictures.

VIRTUAL REALITY & 360

Insight on VR and 360° from
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Learn about new kit from Nikon,
Ricoh and more, see what
360° can bring to wedding
videography with Olympus
visionary John Nassari and learn
about editing 360° images.

*Check website for the
programme of talks.*



Eating in

The Food
Village will be
open in Hall
5 throughout
the event.
In addition,
numerous bars,
restaurants and
seating areas
are situated
around the NEC.

FREE TALKS

Tuesday, 21 March

BEHIND THE LENS

Pros share tips and tricks, talk about their latest projects, and debate hot topics in photography

11:00 - 11:40

Bringing architecture to life

Tobi 'Tobishinobi' Shonibare

12:00 - 12:40

Fashion, floods and circus

Matilda Temperley

13:00 - 13:40

Forgotten locations and hidden worlds

Rebecca Bathory

14:00 - 14:40

Close-up and macro photography

John Humphrey

15:00 - 15:40

You can shoot stock too

Dave Wall

16:00 - 16:40

Unscripted moments: discreet street photography

Matt Hart

LIVE STAGE

Powered and presented by  **EIZO**

Demonstrations from leading photographers on how to shoot a wide range of subjects.

11:00 - 11:30

Directing your portraits

Rory Lewis

13:00 - 13:30

Charity picture raffle draw, see page 46.

Disabled Photographers' Society

14:00 - 14:45

Final: 60 Seconds to Change Your Life competition (winner announcement)

Led by Training by Lumiere

15:00 - 15:30

Photograph like a thief!

Glyn Dewis

16:00 - 16:30

Painting with light

Claire Harper

MOBILE & SOCIAL

Learn how to use social media to promote your work – and how to use your smartphone's camera in a creative way.

12:00 - 12:30

Using iPhoneography as a creative tool

Philippa Stanton

14:00 - 14:30

Boost your business with Facebook and Instagram

Jenny Johnston

15:00 - 15:30

Using iPhoneography as a creative tool

Philippa Stanton

16:00 - 16:30

Social media isn't perfect

Glashier

ADOBE THEATRE

Series of 30-minute sessions led by Adobe's own creative experts on how to get the most from Photoshop and Lightroom

10:15 - 10:45

Combining Lightroom and Photoshop CC in your retouching workflow

11:00 - 11:30

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Fundamental imaging techniques of post production

David Noton

15:30 - 16:00

Making your photos look amazing with Lightroom CC

16:15 - 16:45

Contributing to Adobe Stock for photographers

VIDEO THEATRE

Presented by Panasonic

Speakers include music video maker Glashier and drone experts Aerial Motion Pictures. Learn about the transition from stills to video with Steven Clarey

DRONE ZONE

See the latest in drone kit and technology, flying demonstrations from the likes of Yuneec, DJI and PowerVision, plus instruction, inspiration and tips from top UAV training provider Aerial Motion Pictures.

VIRTUAL REALITY & 360

Insight on VR and 360° photographers such as Nick Driftwood and Drew Gardner. Learn about new kit from Nikon, Ricoh and more, see what 360° can bring to wedding videography with Olympus visionary John Nassari, and learn about editing 360° images.

Check website for the programme of talks.



Eating out

For those who stay in the area for a little longer, there's a selection of restaurants to choose from in Resorts World, which is a five minute walk from Hall 5.

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Mick Jagger, Los Angeles 1992 © Albert Watson

SUPER STAGE

Albert Watson, Frans Lanting and David Alan Harvey head
the list of world-class photographers speaking on the
Super Stage at The Photography Show

Presented by **zenfolio**



© Louis Cole

LOUIS COLE

brought to you by **SONY**

Best known for: daily video blogs recounting his adventures



Louis Cole has a huge social media community around his adventures as 'FunForLouis', with over 1.4 million Instagram followers and 1.8 million subscribers to his YouTube channel.

In this session, Louis will explore the big part that photography plays in building up a social media community, describe his journey to becoming a social media influencer, and give insight into how all of the elements work together, as well as why social media can be important for photographers.

Saturday, 18 March 11:00 - 12:00

Tickets to see these living legends of photography cost £10 per session (in addition to having an entry ticket to The Photography Show itself). Guarantee your seat by booking online at photographyshow.com



Kate Moss, Marrakesh, 1993 © Albert Watson

ALBERT WATSON

Best known for: creating some of the photo world's most well-known, iconic images



Born blind in one eye, 74-year-old Scottish shooter Albert Watson is world famous for

his art, fashion, landscape and commercial photography, producing 100 *Vogue* covers and 40 covers for *Rolling Stone*, including an iconic double exposure portrait of Mick Jagger and a leopard for the 25th anniversary edition of the magazine (pictured opposite).

This is a rare chance to listen to one of the most prolific, versatile and sought-after photographers of our time as he looks back on a lifetime of producing the clean and graphic images that have made him into a modern-day icon. Albert's extraordinary ability to apply his craft to every genre is truly inspiring.

His most celebrated images – of Alfred Hitchcock holding a dead goose, a teenage Kate Moss (shown above), Michael Jackson, Steve Jobs and more – are sure to draw in the crowds and make this a once-in-a-lifetime experience.

Saturday, 18 March 13:00 - 14:00

Sunday, 19 March 11:00 - 12:00



Grenada, 1979 © Alex Webb/Magnum Photos

ALEX WEBB

brought to you by **MAGNUM PHOTOS**

Best known for: popularising colour street photography



Photojournalist Alex Webb uses strong colours, light and emotion to capture the beautifully

complex images. His work could sit next to Henri Cartier-Bresson's 'The Decisive Moment' in the dictionary.

Although the Magnum Photos photographer is best known for his emotive, colourful images that allow a glimpse of Latin America's chaotic street life – including in Cuba, Haiti, Mexico – he was first inspired by Cartier-Bresson, and started out shooting in black and white.

Aged only 24, and still shooting only in mono, he became a Magnum nominee. That was in 1976, and he became a full member of the famous agency only three years later. His move over to shooting in colour and subsequent work has inspired a new generation of colour-shooting documentary photographers.

In his 40-year career, Alex has published seven photography books so far, and still continues to be one of the most respected photojournalists of our time.

Saturday, 18 March 15:00 - 16:00



Leonard Cohen © Jill Furmanovsky/rockarchive.com

JILL FURMANOVSKY

Best known for: being the queen of rock 'n' roll photography



In the mid 60s, Jill Furmanovsky landed in London, relocating with her parents from Zimbabwe. It was a

move that shaped the rest of the rock photographer's life: at 11, Jill became a member of the Beatles fan club. Her first rock shot was on a Kodak Instamatic, of Paul McCartney standing outside his house.

In 1972, after only two weeks training in photography at the Central School of Art and Design, Jill marched her way into the press pit at a Yes concert, with a borrowed camera in hand. The move earned her a place as the official (unpaid) photographer at a premier London rock venue, The Rainbow Theatre.

Jill has gone on to become an iconic rock photographer who we celebrate today, and the founder of Rockarchive, capturing the biggest names in the industry: Led Zeppelin, Bob Marley, Pink Floyd, Bob Dylan, The Police, Oasis and many more. Hear one of the world's leading rock photographers lift the lid on a lifetime at the forefront of rock and roll.

Sunday, 19 March 13:00 - 14:00



Orang-utan © Frans Lanting/lanling.com

FRANS LANTING

Best known for: setting the standard for modern wildlife photography



Over four decades, Frans Lanting has worked closely with the World Wildlife Fund, been published

in *National Geographic* and *Life* and influenced the industry and the world.

Frans has proved that wildlife photography is not just about executing sharply focused animal portraits with plenty of bokeh. He looks at shooting his wild subjects as a canvas just waiting to be painted. He understands that to fully connect with the subject, we need to find new ways of describing the 'essence' of them. He has rewritten the laws that defined the prevalent style of the day, and much of what we have seen since reflects his influence in the field of wildlife photography.

Don't miss the chance to hear this activist with a camera and pioneer in the field of wildlife photography. This talk is based around Frans's recent 'Dialogues with Nature' exhibition, a major retrospective showcasing images from five of his signature projects produced over 40 years.

Sunday, 19 March 15:00 - 16:00

Monday, 20 March 11:00 - 12:00



David Bowie © Clive Arrowsmith

CLIVE ARROWSMITH

Best known for: his celebrated shots of stars and celebrities from the 1970s onwards



Clive Arrowsmith's body of work is extensive – spanning the genres of fashion, advertising, music

and celebrity portraits, from Paul McCartney to Prince Charles, and De Beers to Yves Saint Laurent.

Clive will describe the path he takes to produce images that draw in the viewer; how he subtly directs portrait subjects and choreographs his models on fashion shoots, accounting for every detail.

This talk will be fast-paced and fun, with many behind the scenes tales of his celebrity adventures.

Monday, 20 March 13:00 - 14:00

The Super Stage offers you a unique opportunity to hear some of the best-known photographers on the planet. Tickets sell out quickly, so we strongly advise you to book in advance to avoid disappointment.



Barack Obama III, 2012 © Nadav Kander

NADAV KANDER

(in discussion with William A Ewing)

Best known for: iconic portraits of Barack Obama and Donald Trump



Multi-award winning photographer Nadav Kander is the man who shot Donald Trump! The

much-discussed *Time* magazine cover of 2016 was the latest in Nadav's impressive portfolio of portraiture featuring world-famous names from Barack Obama to Prince Charles. But Nadav is as well known for his landscapes as he is for his portraits, and has won numerous accolades for both – including a Prix Pictet for his landscapes on the Yangtze River and a World Press Photo award.

He made headlines with his portrait series 'Obama's People', commissioned by *The New York Times Magazine* to coincide with President Obama's inauguration in 2009. Kander's 52 portraits made up the largest single photo story that the veteran publication has ever published in a single issue.

This interview, led by curator Bill Ewing, offers visitors an opportunity to get insight into Nadav's unique career and approach.

Monday, 20 March 15:00 - 16:00



Cuba, 1998 © David Alan Harvey/Magnum Photos

DAVID ALAN HARVEY

brought to you by **MAGNUM PHOTOS**

Best known for: his documentary images for National Geographic



One of the most well-respected photojournalists of our time, and now a Magnum

Photos great, David Alan Harvey was an early adopter of photography. Aged 11, he bought a Leica with his newspaper round savings and began shooting photographs of his family and his neighbours. That was in 1956.

In 1967, he published his first book *Tell it like it is*, documenting the lives of a black family living in Virginia. He went on to shoot 40 photo essays for *National Geographic*, covering social and cultural issues across the globe and varied subjects including the Berlin Wall, native Americans and French teenagers.

David joined the Magnum photo agency as a full-time member in 1997 and launched the award-winning *Burn* magazine in 2008, which showcases emerging new talented photographers.

Don't miss this chance to hear the thoughts and insights of a true photography hero in this talk, entitled 'Shoot what it feels like'.

Tuesday, 21 March 13:00 - 14:00



Sujit Kumar (The Chicken Boy), Fiji, 2015 © Julia Fullerton-Batten

JULIA FULLERTON-BATTEN

Best known for: her provocative photo essays on the growing pains of teenage girls



An acclaimed fine art photographer, Julia Fullerton-Batten started her photo career in 2001 and

rapidly developed her reputation as one of Europe's leading young photographers. Julia's use of unusual locations, highly creative settings and street-cast models, accented with cinematic lighting, are hallmarks of her very distinctive and enthralling style of photography.

The foundation of her success was her 2005 project 'Teenage Stories' – an evocative narrative of the tough transition of a teenage girl into womanhood. This and her sequel projects portray the difficult stages and life situations of female adolescence. Julia admits to a pronounced semi-autobiographical influence in much of her earlier work, often falling back on recollections of her own early and teenage years.

On the Super Stage, Julia will delve further into her latest two projects – 2015's 'Feral Children' and 2016's 'The Act' – exploring their controversial subject matter.

Tuesday, 21 March 15:00 - 16:00



MASTER CLASSES

As well as the many free features and talks available at the show, we have several masterclasses suited to all levels that are well worth signing up for...

BEGINNER'S MASTERCLASS

Saturday, 18 March and Sunday, 19 March, Tote Suite £10

Start your photography journey by learning some essential lessons from the experts. There's a charge of £10 for this four-part programme, in addition to the show entry fee; choose Saturday or Sunday morning. The Tote Suite is located just outside Hall 5 (see map on p19).

10:30 - 11:05

Choosing the right camera

A look at what camera is best for you, including a run down of the key features and what you do and don't need

Angela Nicholson

11:05 - 11:40

Choosing a lens

Learn the basics of choosing a lens to suit you, including what different focal lengths and apertures are for

Damian McGillicuddy

11:50 - 12:25

Getting to grips with imaging software

A starter session on imaging software, to help you to understand the basic tools and more advanced techniques

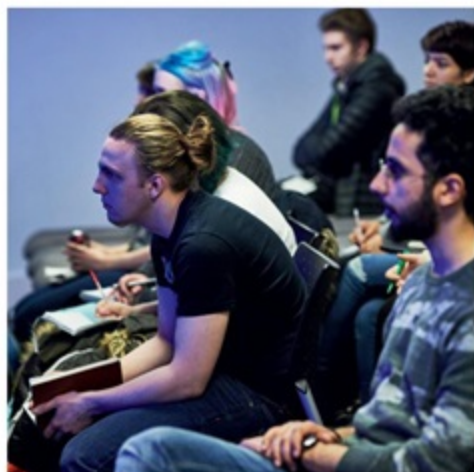
Amy Watkins

12:25 - 13:00

Troubleshooting your photography: common problems and how to solve them

Key elements of focus and exposure explored

Nina Bailey



TURNING PRO MASTERCLASS

Saturday, 18 March and Sunday, 19 March, Tote Suite £10

Looking to make the jump from enthusiast to professional? This half-day masterclass will help you to understand the benefits of going pro and what to watch out for. There's a small charge of £10 for this afternoon programme, which is held in the Tote Suite located just outside Hall 5 (see p19).

14:00 - 14:35

Making the transition from enthusiast to pro

The first steps of setting yourself up as a pro, and how to market yourself and your work to attract clients

Amit and Naroop

14:35 - 15:10

Software – the ultimate camera accessory

How to choose the right software for your business, including what features are available and what you need

David Grover

15:15 - 15:50

How to market yourself effectively on social media

Dos and don'ts for marketing yourself as a photographer on social media, and the nuts and bolts of SEO

Charlie Giles

15:50 - 16:20

How a drone could improve your business

How using drones could increase your client base, add value and drive profit to your business

Matt Williams

16:20 - 16:45

Tips for your first year as a pro

Three professional photographers discuss how they survived and thrived through their first year in business

Bella Kotak, Rory Lewis, John Nassari

STUDENT CONFERENCE

Tuesday, 21 March, Tote Suite £5

Students get in free to The Photography Show on the Tuesday... but why not make even more of your trip by signing up for the afternoon series of inspirational talks tailored specifically for students? There's a small charge of £5 for this packed Tuesday afternoon programme.

13:30 - 14:10

Student to pro – life in the photography business

Kate discusses her experience of building a successful photography business, plus top tips for starting as a pro

Kate Hopewell-Smith

14:30 - 15:10

The right direction:

Running your shoot and working with a team

A practical demonstration of a studio photoshoot, run by experienced professionals, showing you how to work effectively as a team and giving you useful advice

Monica Montalvo, Stephanie Thornton and Steve Howdle

15:30 - 16:10

Panel discussion: Turning daydreams into dayjobs

Offering insight into why they do what they do, our panel of professionals give insight into their first years in business, sharing their challenges and successes

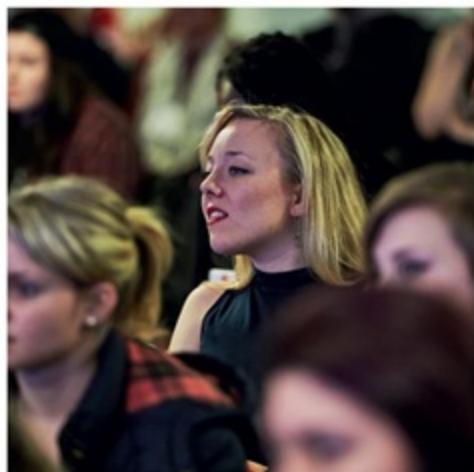
Ryan Welch, Jacob McCarthy, Matilda Temperley, Tom Mason and Nicole Gomes

16:15 - 16:30

CLOSING KEYNOTE: David Alan Harvey

Acclaimed Magnum photojournalist David Alan Harvey gives an insight into his long career working for *National Geographic* and other leading publications

David Alan Harvey



JUST FOR PROS

Working photographers have a special place at The Photography Show – and this year there is even more going on just for pros – over all four days of the event

Pro entry to the show is free, subject to validation

VISIT THE
WEBSITE AND FILTER
THE PROGRAMMES
BY 'PRO LEVEL' TO
SEE WHAT'S ON
FOR PROS

PRO LOUNGE

Come along to the Pro Networking Lounge where you can grab a drink, catch up with colleagues and exchange ideas with like-minded industry professionals in a tranquil environment.

PRO HAPPY HOURS

Our pro Happy Hours will give you the chance to relax after a big day at the show between 16:00 and 17:00 on Saturday and Sunday.

PRO LOUNGE LIVE

A series of sessions taking place at the weekend will focus on some of the more specific challenges faced by professional photographers.

PRO DRINKS RECEPTION

Don't miss our professionals drinks reception on Monday evening, featuring amusing anecdotes and advice from speakers.

ENHANCE YOUR SKILLS

The Behind the Lens Theatre and Live Stage return, featuring tutorials and practical demos that focus on a range of genres and techniques, plus debates tailored to the pro. Our panel discussion on making a name for yourself in photography is sure to interest.

EXPAND YOUR SERVICES

Discover all of the skills you need to capture dynamic footage on camera and to integrate moving images into what you offer your clients in the Video Theatre and Drone Zone.

DISCOVER NEW TECHNOLOGY

Our brand new 360 & Virtual Reality Stage will showcase the most talked about technology out there and reveal how it can be used in a professional sense now, and in the future.

PRO CONFERENCE

In-depth business advice, from pricing your photography and valuing yourself, to ways in which you can attract new clients. See the listings opposite for a breakdown of the sessions on offer.

PRO CONFERENCE

A conference offering in-depth commercial advice and creative ideas to drive your business forward. Book one of the morning sessions for £10, or sign up for both for £15

Monday, 20 March, Tote Suite

10:15 - 10:30

OPENING KEYNOTE: Clive Arrowsmith

Clive Arrowsmith

10:30 - 11:05

Marketing and finding new business

How to find the right market, research leads and make sure that you stand out from the crowd

Hat Margolies

11:05 - 11:40

Pricing your photography and valuing yourself

What are you and your work worth? Working to a day rate vs working to a budget explored

Nick Dunmur

11:50 - 12:25

When calamity strikes

Plan for unexpected events and ensure that you have the right insurance cover for your business

Clare Sugden

12:25 - 13:00

What you need to know BEFORE you fly your drone

Discover the regulations you need to follow and how to get licensed to use your drone for photography

Matt Williams



Tuesday, 21 March, Tote Suite

10:30 - 11:05

Personal projects attract new clients

Why keeping your creativity alive is important to attract new business, and tips on finding compelling ideas

Tom Oldham

11:05 - 11:40

Creating movie-style drama and storytelling in stills

Stand out from the crowd, create atmospheric images and tell stories with camera angles and composition

Glashier

11:50 - 12:25

Become an editorial superstar

How to pitch ideas to magazines and newspapers and become a successful editorial photographer

Matthew Fearn

12:25 - 13:00

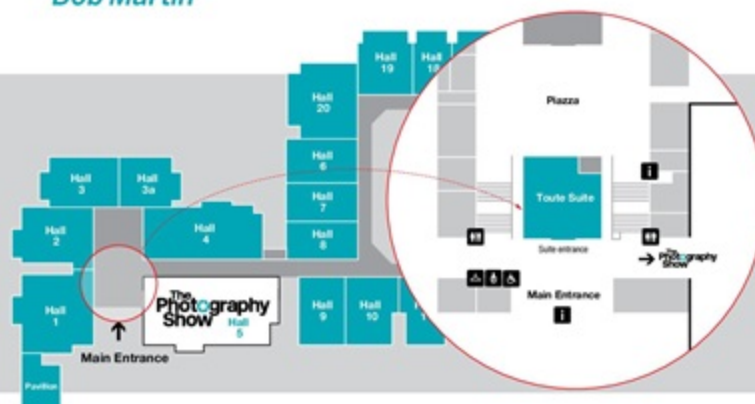
A new angle on sports photography

How to use robotic cameras to get your camera in places humans can't go, to take unique sports shots

Bob Martin

THE TOTE SUITE

The Photography Show is held in the largest of the National Exhibition Centre's halls – the 25,000m² Hall 5. However, our Masterclasses and Conferences are all held in the Tote Suite which is found in the Piazza entrance area just outside Hall 5.



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COMPLETE
A-Z
LISTINGS

The *Who's at...* Photography Show

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THE NEC, BIRMINGHAM

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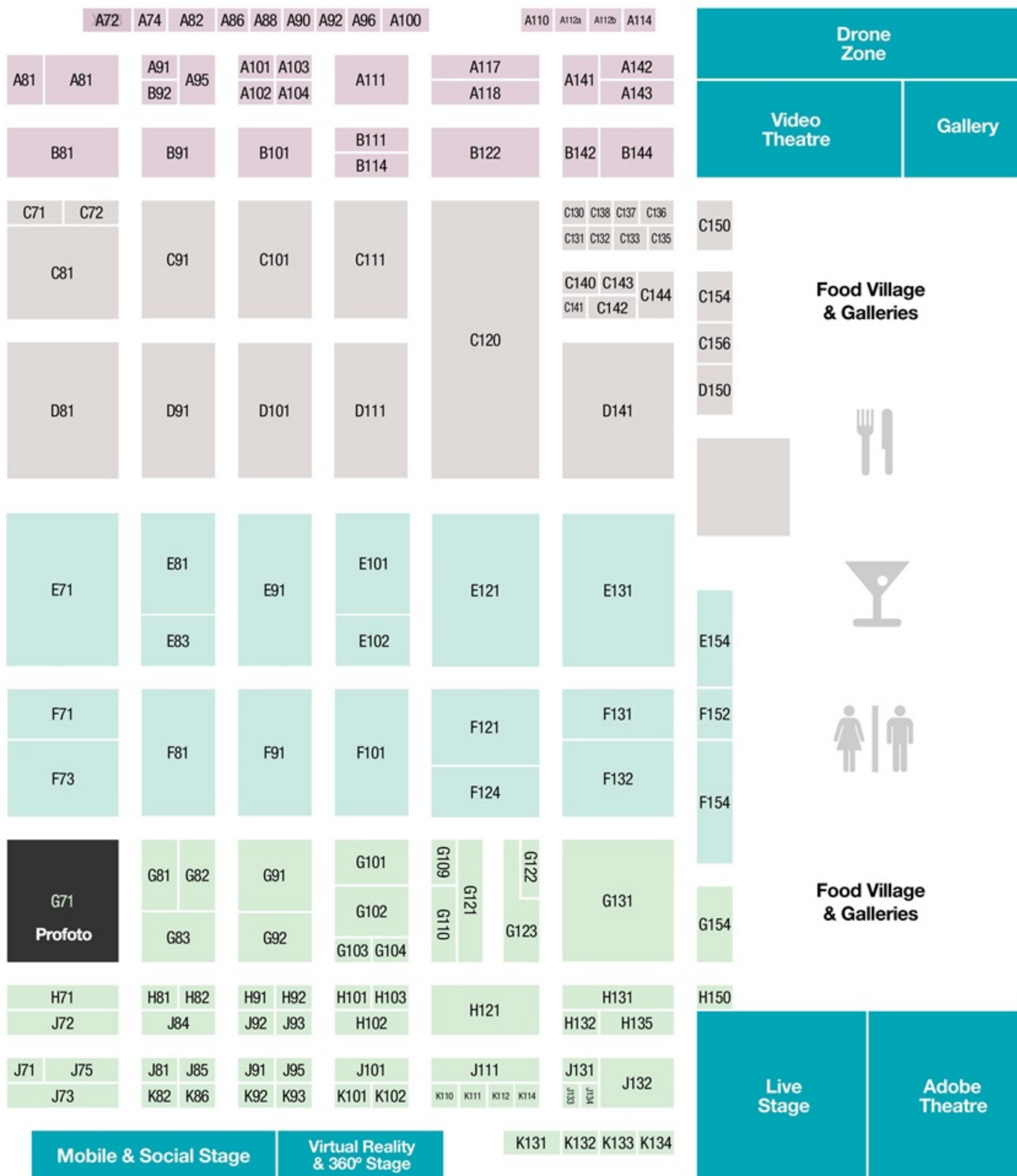
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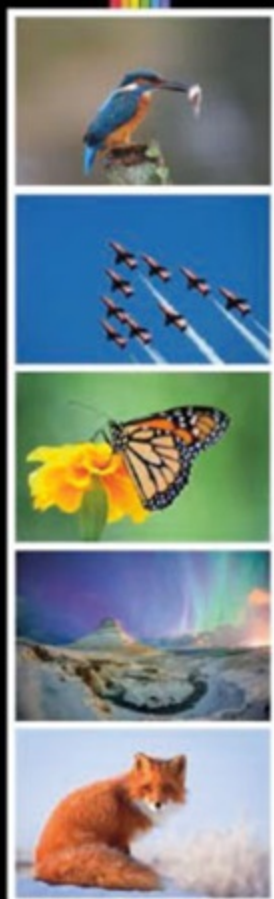
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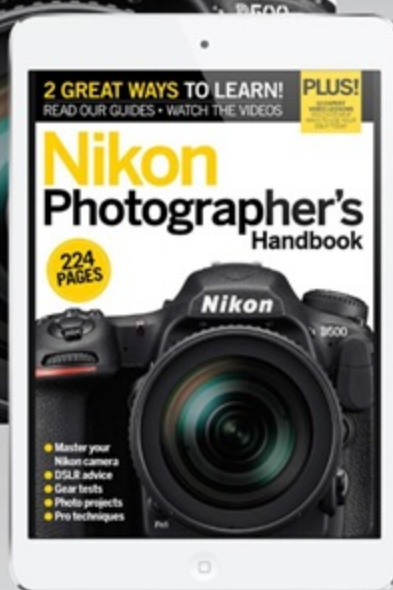
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Offers a wide choice of creative printed products for the serious and professional photographer.

LUMAPIX **K 132**

www.lumapix.com

Digital layout solutions to help create stunning-looking photobooks, year books, and web albums.

LUMECUBE **H 103**

www.lumecube.com

Portable, durable and powerful lights for photography and video.

LUXS **G 154**

www.luxs.biz

From backgrounds to lighting to props to consumables, studio and location photography is covered.

MAC GROUP **E 121**

www.macgroupeu.com

Trade suppliers of Benro, Induro, MEFoto, Tenba and Vü filters. Will demo Phottix flash accessories.

MACWET **A 88**

www.macwet.com

Gloves with consistent grip that you can keep on when using a camera.

MAGMOD **E 71**

www.magnetmod.com

Ninja-fast system of flash modifiers and diffusers that attach to your strobe using magnets.

MANFROTTO **E 41**

www.manfrotto.co.uk

Designs and makes a wide range of accessories for photographers and videographers of all abilities.

MARTIN NEWTON PHOTOGRAPHY **K 111**

martinnewtonphotographytraining.com

Photographer offering workshops, training and photo holidays.

THE MASTER PHOTOGRAPHERS ASSOCIATION **H 22**

www.thempa.com

International not-for-profit organisation, committed to raising the standards of photography.

MEFOTO **E 121**

www.mefoto.com

Travel tripods in a range of materials, construction, features and colours.

MIOPS TRIGGER **J 65**

www.miops.com

Smart triggers and remotes for DSLRs and other cameras.

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NATIONAL TRUST **B 2**

www.nationaltrust.org.uk

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www.wildlifeworldwide.com

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NEC **C 81**

www.nec-display-solutions.com

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NEST **B 91**

www.nest-style.com

Offers a range of high-tech tripods, monopods, heads and camera bags.

NEWBORN ART PHOTOGRAPHY TRAINING **G 122**

www.newbornartacademy.co.uk

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NIKON **C 11 C 12**

www.nikon.co.uk

Check out Nikon's full range of cameras and lenses, plus the new KeyMission range, and listen to some big-name speakers.

NISSI FILTER **B 32**

www.nisidigital.com/en

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TRICKS WITHOUT MIRRORS

Fast shooting with the latest CSCs

See the cameras that bust through traditional speed barriers to capture full-resolution stills at 30 or even 60 frames a second. The Olympus OM-D E-M1 Mark II can capture moments that would defeat even a pro DSLR, and Panasonic's uprated its 4K Photo technology to offer amazing 6K, 18-megapixel stills at 30fps from its brand new GH5.



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NOVACHROME **H 53**

www.novachrome.co.uk

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NOVO **B 91**

www.novo-photo.com

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nPHOTO **B 71**

www.nphoto.co.uk

nPhoto produces high-quality photo albums and photo books for pros.

N-PHOTO **F 31**

www.facebook.com/nphotomag

N-Photo is the award-winning independent magazine for Nikon photographers.

OLYMPUS UK **D 91**

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ORANGEMONKIE **H 150**

www.orangemonkie.com

Makers of the Foldio all-in-one portable product studio and the 360° VR turntable.

OUTDOOR PHOTOGRAPHY **J 72**

outdoorphotographymagazine.co.uk

UK magazine for photographers passionate about being in the wild.

PAGB **G 110**

www.thepagb.org.uk

The Photographic Alliance of Great Britain coordinates activities across photographic clubs through the UK.

PALETTE GEAR **C 142**

www.palettegear.com

Offers a dial, button and slide-based personalised controller system for faster editing.

PANASONIC **D 41**

www.panasonic.com/uk

See the latest cameras and lenses in the Lumix G range – including the all-new flagship GH5.

PANZER CASES **F 124**

www.panzercases.co.uk

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www.paramo-clothing.com/en-in

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PATERSON PHOTOGRAPHIC LTD **A 111**

www.patersonphotographic.com

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PEAK DESIGN **E 71**

www.peakdesign.com

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PENTAX **D 101**

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Come see Pentax's latest full-frame, medium-format and crop-factor SLRs and lenses.

PERMAJET **F 91**

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PHOTOBOOK CONCEPT **A 64**

www.photobookconcept.com

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PHOTOBOOTH SUPPLY CO **C 72**

www.photoboothsupplyco.com

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PHOTOBOOTH **C 52**

www.photobooths.co.uk

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PHOTOFINCA **K 131**

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PHOTOGRAPHY WEEK **F 31**

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Best-selling weekly photography magazine for iPad, iPhone, Android and other digital devices.

OLD IS THE NEW NEW
The latest designs are all retro

Discover the cameras that combine traditional camera design with cutting edge tech. The Olympus PEN-F looks just like the old PEN-F half-frame camera but packs in Olympus's latest 20-megapixel sensor and 5-axis image stabilisation, while the Fujifilm X-T2 offers traditional external shutter speed and aperture controls with Fujifilm's famed 24-megapixel X-Trans sensor.



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PHOTOKRAFFT **H** 61www.photokrafft.com

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PHOTO-ME **B** 62www.photo-me.co.uk

Makes, sells and operates photoboos, photographic fun products, digital printing kiosks and children's rides.

PHOTOPLUS **F** 31www.facebook.com/PhotoPlusMag

The biggest and best magazine for every Canon EOS DSLR photographer, published by Future Publishing.

PHOTOSHOP CREATIVE **F** 31www.photoshopcreative.co.uk

Monthly magazine for those wanting to learn to use Photoshop creatively.

PHOTOSHOP DIGITAL **A** 21www.photoshopdigital.com

Leading manufacturer of handmade, flush-mount wedding books and digital photo albums based in Greece.

PHOTOVALUE **B** 114www.photovalue.com

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PHOTOXPORT **A** 31www.photoxport.com

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PHOT-R **C** 101www.phot-r.com

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PHOXI TOG **H** 2www.phoxitog.com

Plush toys that wrap around your lens that squeak – designed to help photograph children.

PICA-GEAR **C** 156www.pica-gear.com

Check out the Pica-Pod, said to be the world's most adaptable mini tripod.

PICSCOUT **H** 132www.picscout.com

Image intelligence system that lets photographers to track down who is using their images on the web.

PIXAPRO **E** 91www.essentialphoto.co.uk

Specialist in studio-lighting equipment and accessories, based in Birmingham.

PIXEL **H** 9www.lifemediagroup.co.uk/pixel-magazine

Trade-only magazine, providing a gateway to professional development in all aspects of the photography industry.

PLASTIC SANDWICH **H** 47www.plasticsandwich.co.uk

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PLOT-IT **B** 142www.plot-it.co.uk

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POWERVISION **F** 21www.powervision.me

Makers of the PowerEye and PowerEgg drones.

PRACTICAL **J** 132**PHOTOGRAPHY**www.practicalphotography.com

Monthly magazine combining hands-on advice, and gear reviews.

PRACTICAL PHOTOSHOP **F** 31www.myfavouritemagazines.co.uk/photography

The world's best-selling monthly Photoshop title for digital platforms, published by Future Publishing.

PROFOTO **G** 71www.profoto.com/uk

Top light manufacturer, used for everything from billboards to fashion magazines.

PRO PRINTS SOLUTIONS **C** 150www.proprintsolutions.co.uk

Supply and service Canon large-format printers and 3D printers.

QNAP **C** 51www.qnap.com/en-uk/

Specialist network attached storage (NAS) drive suppliers.

REFLECMEDIA **H** 82www.reflecmedia.com

Portable, flexible and easy-to-use chromakey solutions to provide a virtual studio on a budget.

REMEMBER MY BABY **J** 66www.remembermybaby.org.uk

UK-based registered charity offering professional photography services for parents who have lost a baby.

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www.rockynook.com

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Book publisher best known to photographers through the Focal Press imprint.

ROYAL PHOTOGRAPHIC SOCIETY **C 91**

www.rps.org

International, modern and forward-looking organisation with a distinguished past.

RSPB **K 82**

www.rspb.org.uk

The RSPB is the UK's biggest wildlife conservation organisation.

SAAL DIGITAL **G 46**

www.saal-digital.de

German photo lab that produces photobooks, posters, fine art prints, calendars and more.

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www.manfrotto.co.uk/schneider-kreuznach

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SHOOTTOOLS **B 101**

www.shoottools.com

Italian company specialising in camera slider and timelapse control systems for filmmakers.

SHOOTPROOF **F 154**

www.shootproof.com

Offers an easy way to share, sell, and print through online galleries and mobile apps.

SIGMA IMAGING **F 51**

www.sigma-imaging-uk.com

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SILLY JOKES PHOTO BOOTH PROPS **J 95**

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SIM IMAGING **B 81**

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SJCAM **C 131**

www.sjcamhd.uk.com

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SMUGMUG **H 131**

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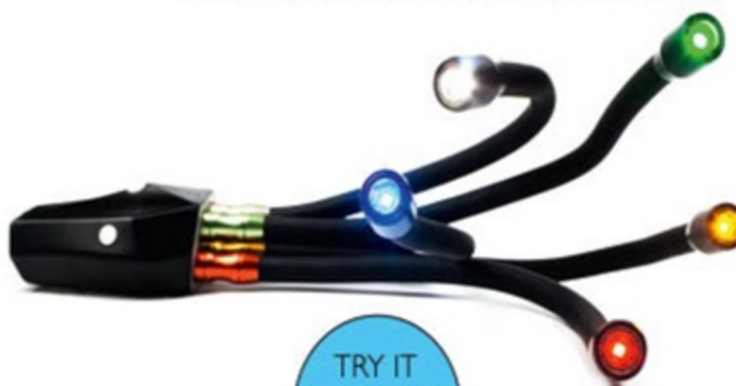
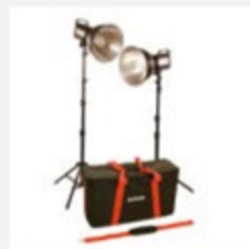
Once, there was no full-frame pro camera that offered both high resolution and high-speed continuous shooting. Now there is. The Sony Alpha a99 II delivers 42.4 megapixels at 12 frames per second, and also boasts a highly advanced hybrid all-phase-detection autofocus system combining DSLR responses with mirrorless frame coverage. Action/sports photographers need to see this!





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SONY UK **D** 51www.sony.co.uk

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SOOD STUDIOS **G** 1www.soodstudio.com

Innovative photographic printing services for you.

SPEED GRAPHIC **G** 82www.speedgraphic.co.uk

Accessory retailer with great deals on Gitzo, Manfrotto, Lastolite, Think Tank and more. Plus see demos of Novoflex and other unusual kit.

SPEOS **G** 104www.speos-photo.com

Photographic institute offering courses in Paris or London.

SRB **F** 71www.srb-photographic.co.uk

Long-established UK photographic retailer with a wide product range.

**SUNBOUNCE/
SUNSNIPER** **H** 42www.tetenaluk.com

Sunbounce reflectors and diffusers, plus Sunsniper action cam straps.

SYNOLOGY **G** 63www.synology.com/en-uk

High-performance Network Attached Storage (NAS) drives.

SYSTEM INSIGHT **A** 34www.systeminsight.co.uk

Fast printing solutions for photographers.

TAILORED **H** 101www.tailoredgear.com

Buckinghamshire-based company.

TEAMWORK DIGITAL **H** 45www.teamworkphoto.com

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TECCO PHOTO **C** 81www.tecco.de

Manufacturers of high-quality inkjet papers.

TENBA **E** 121www.tenba.com

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TETENAL **G** 83www.tetenaluk.com

Printer, darkroom and digital photography supplies – including the Epson SureLab range of printers.

TETHER TOOLS **G** 92www.tethertools.com

Cables and accessories for tethered shooting with an iPad or computer.

**THE CALENDAR
COMPANY** **A** 33www.thecalendarcompany.org

Calendars for the photo trade.

THE FLASH CENTRE **D** 111www.theflashcentre.co.uk

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**THE GUILD OF
PHOTOGRAPHERS** **J** 75www.photoguild.co.uk

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THE ILEX PRESS **J** 69www.ilex-press.com

Leading publisher of photography books and other publications.

THE PRINT FOUNDRY **H** 21www.theprintfoundry.co.uk

Fine-art printing, mounting and framing services.

THE SOCIETIES/SWPP **B** 60www.thesocieties.net

A group of organisations incorporating the interests of all aspects of photography.

THE TRAINED EYE **J** 93www.thetrainedeye.co.uk

Courses in wedding photography, portraiture, lighting and more.

THE IMAGEFILE **J** 86www.theimagefile.com

Web solution for proofing, displaying and selling images online.

TOM MORGAN PICTURES **K** 110

Picture frame manufacturers.

TOPAZ LABS **A** 41www.topazlabs.com

Software utilities for photographers.

TOWERGATE CAMERASURE **A** 71www.towergatecamerasure.co.uk

Wide range of insurance services.

SOFTWARE UPDATES

The latest generation of image editors

Find out where the latest photo-editing technologies will take your photography next! Serif's Affinity Photo threatens to turn the pro image-editing market on its head – and is at last available for both PC and Mac. Meanwhile Topaz Labs will be showing plug-ins and presets to give you the perfect 'look' with the minimum effort. And don't miss the Adobe Theatre events programme of seminars on Photoshop, Lightroom and mobile image manipulation.



WHAT'S
HOT

TRAINING BY LUMIERE **K** 101www.trainingbylumiere.co.uk

Part time photography training by successful working photographers.

TRIGGERSMART **G** 92www.flaghead.co.uk/products/triggersmart.html

Triggering systems that use sound, light, infrared beam, or movement to fire your camera remotely.

TURNSPRO **J** 92www.turnspro.com

Timelapse camera mount for filmmakers and photographers.

UK OPTICS **B** 91www.ukoptics.co.uk

Distributors of Laowa lenses, and of Novo and Nest accessories.

ULTIMAT **G** 123www.ultimatframes.com

Huge range of frames and mounts.

UNITARY STUDIOS **C** 135www.unitarystudios.co.uk

Video producers specialising in marketing, social media, YouTube, short films, live events and more.

USB2U **H** 102www.photographers.usb2u.co.uk

Innovative supplier of USB drives.

USBMAKERS.COM **A** 72www.usbmakers.com

Branded USBs memory devices for photographers.

VALLERRET **J** 133**PHOTOGRAPHY GLOVES**www.photographygloves.com

Gloves designed for photographers.

VANGUARD **H** 31www.vanguardworld.co.uk

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VANILLA PHOTOBOOKS **G** 45www.vanillaphotobooks.co.uk

Quality photobooks available at competitive prices.

VERSATRIGGER **J** 134www.versatrigger.co.uk

Trigger your creative photography with this high-speed trigger system.

VIEWFINDER **D** 1**PHOTOGRAPHY**www.viewfinderphotography.co.uk

Quality studio and lighting equipment at keen prices.

VISIBLE DUST **A** 82www.alphaodl.co.uk

Distributors of Visible Dust sensor cleaners, Novagrade digiscope adapters, Zenelli gimbal heads and Kite optics.

VISICO **J** 45**STUDIO EQUIPMENT**www.visico.com

Studio lighting manufacturers.

WACOM **C** 111www.wacom.com/en/gb

Leading maker of pen tablets, interactive pen displays, and digital interface solutions.

WD **G** 33www.wdc.com

Offering photographers internal and external hard drives.

WEDDING VIDEO ALBUMS **H** 91www.weddingvideoalbums.co.uk

The album with a big difference – playing images or video on a customised tablet screen that look from the outside like a photobook.

WHITEWALL **A** 11www.whitewall.co.uk

Wide range of high-quality printing and photo-finishing services.

WILDFOOT TRAVEL **B** 73www.wildfoottravel.com

Specialist wildlife and adventure travel company.

WORLD HERITAGE **C** 138**FOUNDATION – THE BIG CAT SANCTUARY**www.whf.org.uk

Photo workshops that give access to the tigers, leopards and other cats of the Wildlife Heritage Foundation.

WOMEN IN PHOTOGRAPHY **H** 11**AT UNIVERSITY OF THE CREATIVE ARTS**www.uca.ac.uk

Promoting women photographers.

X-RITE **C** 81www.xritephoto.eu

Distributor for X-Rite's range of colour management products.

YUNEEC **G** 51www.yuneec.co.uk

Makers of the Breeze, Typhoon and Tornado ranges of imaging drones.

ZEISS **B** 21www.zeiss.co.uk/cameralenses

High-quality Otus and Milvus prime lenses for Nikon and Canon DSLRs, and for Fujifilm and Sony CSCs).

ZENFOLIO **H** 4www.zenfolio.com

Photo and video hosting e-commerce platform, voted number one by pro photographers.

PHOTOBOOKS ON PARADE

The best books for your business

Photobooks are the essential way of displaying wedding photographs – but with so many different finishes, how do you choose the right supplier, paper and binding for your clients? At The Photography Show, of course! This is a rare chance to see a whole spectrum of photo books in one place at one time, from suppliers from across Europe – allowing you to see and touch before you buy. Check out the new trends, too, such as increasingly-popular layflat books and a wedding video album 'photobook' built around a tablet.



CAP+TURE

BIRMINGHAM | 18-19 March 2017

Capture Birmingham sees organisations all around the City host a series of events during the weekend of The Photography Show...

Whether you are looking to further improve your photography skills, or to be inspired by other photographers, the city's photography community will offer a range of photo walks, workshops and gallery exhibitions to add a little extra zest to your stay.

JEAN PAINLEVÉ EXHIBITION

Ikon Gallery, Brindleyplace

The first UK exhibition of work by pioneering French film director and biologist Jean Painlevé (1902 – 1989). His cinematographic and photographic portraits of octopi, lobsters, starfish and seahorses were at the centre of the avant-garde movement of the 1920s.

C12 EXHIBITION AND RAFFLE

Millennium Point

All the donated prints in this exhibition will be won as raffle prizes to raise money for the Disabled Photographers'



Society. Photographers include the late Adrian Flowers, John Claridge, Lorentz Gullachsen, and Joe Cornish, to name a few. Raffle tickets cost £1 each, and the winners will be announced on the Live Stage on Tuesday, 21 March at 13:00.

SCAVENGER HUNT LED BY WE ALL SHOOT PHOTOS

Photographers will be split up into teams and sent out on a photography scavenger hunt challenge. At the end of the session, everyone will finish at a venue for drinks and networking.

SOPHIE HEDDERWICK SWIFT AS A SHADOW EXHIBITION

Argentea Gallery, St Pauls Square

Slow shutter speed images of ballet dancers, inspired by Degas' sculpture Little Dancer Aged Fourteen.

LIGHT PAINTING AND LONG EXPOSURE WORKSHOP

Learn new techniques for taking long exposure photos and have fun experimenting with light sources. There is a £20 charge for this event, which is run by Mosoca Photography.

Find more information at www.photographyshow.com/capturebrum. Further events hosted by other organisations, including our partner Visit Birmingham, will be announced soon.



GETTING TO THE SHOW



By train

The NEC is 5 minutes walk from Birmingham International station, which is a 10 minutes train trip from Birmingham New Street or 90 minutes from London Euston. Get 25% off Virgin Train tickets, at www.virgintrains.co.uk/nec.



By car

The NEC is close to the M6, M1, M40 and M42. Parking is £12 per day – bookable at www.thenec.co.uk/visitors/parking.



By air

The NEC is just a few minutes away from Birmingham Airport (BHX).



Staying overnight

There are a number of hotels located near the NEC itself, from high-end to budget. Visit photographyshow.com/hotels for more info.



Disabled visitors

All levels of the NEC are accessible to wheelchair users, via ramps or lifts. The NEC has wheelchairs and mobility scooters available for hire – telephone 0121 780 4141 to book. There is disabled parking close to the venue. If you require a carer ticket, please call our free hotline on 0800 640 5001.

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Eddie Macdonald,
Eddie Macdonald Photography



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