

CONTENTS

GETTING STARTED 1

About Classroom in a Book 1

What's new in this edition 2

Prerequisites 2

Installing Adobe Photoshop and Adobe Bridge 3

Starting Adobe Photoshop 3


Online content 4

Restoring default preferences 5

Additional resources 6

Adobe Authorized Training Centers 7

1 GETTING TO KNOW THE WORK AREA 8



Starting to work in Adobe Photoshop 10

Using the tools 13


Sampling a color 18

Working with tools and tool properties 19

Undoing actions in Photoshop 25

More about panels and panel locations 27

2 BASIC PHOTO CORRECTIONS 32



Strategy for retouching 34

Resolution and image size 35

Opening a file with Adobe Bridge 36

Straightening and cropping the image in Photoshop 38

Adjusting the color and tone 40

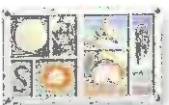
Using the Spot Healing Brush tool 44

Applying a content-aware patch 45

Repairing areas with the Clone Stamp tool 46

Sharpening the image 48

3 WORKING WITH SELECTIONS 52



About selecting and selection tools 54

Getting started 55

Using the Quick Selection tool 55

Moving a selected area 56

Manipulating selections 57

Using the Magic Wand tool 60

Selecting with the lasso tools 63

Rotating a selection 64


Selecting with the Magnetic Lasso tool 65

Selecting from a center point 66

Resizing and copying a selection 67

Cropping an image 69

4 LAYER BASICS 72



About layers 74

Getting started 74

Using the Layers panel 75

Rearranging layers 80

Applying a gradient to a layer 90

Applying a layer style 92

Adding an adjustment layer 97

Updating layer effects 100

Adding a border 100

Flattening and saving files 102

5 QUICK FIXES 106



Getting started 108

Improving a snapshot 108

Adjusting facial features with Liquify 112

Blurring a background 114

Creating a panorama 118

Filling empty areas when cropping 122

Correcting image distortion 124

Extending depth of field 127

Moving objects with the Content-Aware Move tool 130

Adjusting perspective in an image 134

6 MASKS AND CHANNELS 140



Working with masks and channels 142

Getting started 142

Using Select and Mask 143

Creating a quick mask 154

Manipulating an image with Puppet Warp 156

Using an alpha channel to create a shadow 157

7 TYPOGRAPHIC DESIGN 162



About type 164

Getting started 164

Creating a clipping mask from type 165

Creating type on a path 172

Warping point type 175

Designing paragraphs of type 176

Adding a rounded rectangle 180

Adding vertical text 181

8 VECTOR DRAWING TECHNIQUES 186



About bitmap images and vector graphics 188

About paths and the Pen tool 189

Getting started 189

Drawing with the Pen tool 190

Working with defined custom shapes 198

Importing a Smart Object 200

Adding color and depth to a shape using layer styles 201

9 ADVANCED COMPOSITING 206



Getting started 208

Arranging layers 209

Using Smart Filters 212

Painting a layer 218

Adding a background 220

Using the History panel to undo edits 221

Upscaling a low-resolution image 227

10 PAINTING WITH THE MIXER BRUSH 230



About the Mixer Brush 232

Getting started 232

Selecting brush settings 233

Mixing colors 236

Mixing colors with a photograph 239

Painting and mixing colors with brush presets 242

11 EDITING VIDEO 250



Getting started 252

About the Timeline panel 253

Creating a new video project 254

Animating text with keyframes 258

Creating effects 260

Adding transitions 264

Adding audio 265

Muting unwanted audio 266

Rendering video 267

12

WORKING WITH CAMERA RAW



270

Getting started

272

About camera raw files

273

Processing files in Camera Raw

274

Applying advanced color correction

289

13

PREPARING FILES FOR THE WEB



306

Getting started

308

Using layer groups to create button graphics

309

Automating a multistep task

316

Designing with artboards

323

14

PRODUCING AND PRINTING CONSISTENT COLOR



334

Preparing files for printing

336

Getting started

337

Performing a "zoom test"

338

Identifying out-of-gamut colors

342

Adjusting an image

344

Converting an image to CMYK

346

About color management

347

Specifying color-management settings

348

Proofing an image on screen

349

Saving the image as a CMYK EPS file

351

Printing a CMYK image from Photoshop

352

15

PRINTING 3D FILES



358

Getting started

360

Understanding the 3D environment

360

Positioning 3D elements

364

Printing a 3D file

365

APPENDICES

372

INDEX

378

GETTING STARTED

Adobe® Photoshop® CC, the benchmark for digital imaging excellence, provides strong performance, powerful image editing features, and an intuitive interface. Adobe Camera Raw, included with Photoshop CC, offers flexibility and control as you work with raw images as well as TIFF and JPEG images. Photoshop CC gives you the digital-editing tools you need to transform images more easily than ever before.

About Classroom in a Book

Adobe Photoshop CC Classroom in a Book® (2018 release) is part of the official training series for Adobe graphics and publishing software, developed with the support of Adobe product experts. The lessons are designed to let you learn at your own pace. If you're new to Adobe Photoshop, you'll learn the fundamental concepts and features you'll need to master the program. And if you've been using Adobe Photoshop for a while, you'll find that Classroom in a Book teaches many advanced features, including tips and techniques for using the latest version of the application and preparing images for the web.

Although each lesson provides step-by-step instructions for creating a specific project, there's room for exploration and experimentation. You can follow the book from start to finish, or do only the lessons that match your interests and needs. Each lesson concludes with a review section summarizing what you've covered.