

Contents at a Glance

<i>Introduction</i>	1
<i>Part I: Breezing through Basic Training</i>	7
Chapter 1: Welcome to Photoshop!	9
Chapter 2: Knowing Just Enough about Digital Images	23
Chapter 3: Taking the Chef’s Tour of Your Photoshop Kitchen	43
Chapter 4: Getting Images into and out of Photoshop	65
<i>Part II: Easy Enhancements for Digital Images</i>	85
Chapter 5: Adding Dark Shadows and Sparkling Highlights	87
Chapter 6: Making Color Look Natural	107
Chapter 7: The Adobe Camera Raw Plug-In	133
Chapter 8: Fine-Tuning Your Fixes	157
Chapter 9: Common Problems and Their Cures	185
<i>Part III: Creating “Art” in Photoshop</i>	199
Chapter 10: Combining Images	201
Chapter 11: Precision Edges with Vector Paths	223
Chapter 12: Dressing Up Images with Layer Styles	247
Chapter 13: Giving Your Images a Text Message	271
Chapter 14: Painting in Photoshop	297
Chapter 15: Filters: The Fun Side of Photoshop	315
<i>Part IV: Power Photoshop</i>	333
Chapter 16: Streamlining Your Work in Photoshop	335
Chapter 17: Introducing Photoshop CS4 Extended	357
<i>Part V: The Part of Tens</i>	369
Chapter 18: Pete’s Top Ten Favorite Photoshop Tips and Tricks	371
Chapter 19: Ten Reasons to Love Your Wacom Tablet	381
Chapter 20: Ten Reasons to Own a Digital Camera	385
<i>Index</i>	389

Table of Contents

Introduction 1

About This Book.....	1
How This Book Is Organized.....	2
Part I: Breezing through Basic Training.....	2
Part II: Easy Enhancements for Digital Images	3
Part III: Creating “Art” in Photoshop.....	3
Part IV: Power Photoshop	3
Part V: The Part of Tens.....	3
Conventions Used in This Book	4
Icons Used in This Book.....	4
How to Use This Book	5

Part 1: Breezing through Basic Training..... 7

Chapter 1: Welcome to Photoshop! 9

Exploring Adobe Photoshop.....	10
What Photoshop is designed to do	10
Other things you can do with Photoshop	12
If you don’t have specialized software	14
Viewing Photoshop’s Parts and Processes	16
Reviewing basic computer operations	16
Photoshop’s incredible selective Undo.....	18
Installing Photoshop: Need to know	20

Chapter 2: Knowing Just Enough about Digital Images 23

What Exactly Is a Digital Image?.....	24
The True Nature of Pixels	24
How Many Pixels Can Dance on the Head of a Pin?.....	26
Resolution revelations	27
Resolving image resolution	28
File Formats: Which Do You Need?	36
Formats for digital photos.....	37
Formats for Web graphics	39
Formats for commercial printing	40
Formats for PowerPoint and Word.....	40

Chapter 3: Taking the Chef’s Tour of Your Photoshop Kitchen 43

Food for Thought: How Things Work	44
Ordering from the menus	44
Your platter full of panels.....	45
The tools of your trade.....	47
Get Cookin’ with Customization.....	49
Clearing the table: Custom workspaces	49
Sugar and spice, shortcuts are nice.....	52
Spoons can’t chop: Creating tool presets	53

Season to Taste: The Photoshop Settings	54
Standing orders: Setting the Preferences	54
Ensuring consistency: Color Settings	61
When Good Programs Go Bad: Fixing Photoshop	62
Chapter 4: Getting Images into and out of Photoshop	65
Bringing Images into Photoshop	65
Downloading from your digital camera	67
Scanning prints	68
Keeping Your Images Organized.....	71
Creating a folder structure	71
Using Adobe Bridge.....	72
Renaming image files easily	75
Printing Your Images.....	75
Cropping to a specific aspect ratio	76
Remembering resolution	78
Controlling color using File⇧Print	78
Considering color management solutions	80
Printing alternatives.....	81
Sharing Your Images	83
Creating PDFs and Web sites	83
E-mailing your images.....	83
Part II: Easy Enhancements for Digital Images	85
Chapter 5: Adding Dark Shadows and Sparkling Highlights	87
Adjusting Tonality to Make Your Images Pop.....	88
Histograms Simplified.....	88
Using Photoshop's Auto Corrections	92
Levels and Curves and You.....	93
Level-headed you!.....	94
Tonal corrections with the eyedroppers.....	96
Adjusting your curves without dieting.....	97
Grabbing Even More Control.....	100
Using Shadow/Highlight	101
Changing exposure after the fact	104
Using Photoshop's toning tools.....	105
Chapter 6: Making Color Look Natural	107
What Is Color in Photoshop?	107
Color modes, models, and depths	108
Recording color in your image	113
Making Color Adjustments in Photoshop	113
Watching the Histogram and Info panels	114
Choosing color adjustment commands.....	116
Working with Variations	129
Manual corrections in individual channels.....	130
The People Factor: Flesh Tone Formulas	131
Chapter 7: The Adobe Camera Raw Plug-In	133
Understanding the Raw Facts.....	133
What's the big deal about Raw?.....	134
Working in Raw	135

Do You Have What It Takes?	137
Working in the Camera Raw Plug-In	138
Tools and preview options	138
The histogram	143
The preview area	144
Workflow options and presets	144
The Basic panel	146
Adjusting the tone curve	148
The Detail panel	149
HSL, grayscale, and split toning	152
Compensating with Lens Correction	153
Customizing camera profiles and the Presets tab	155
The Camera Raw buttons	155
Chapter 8: Fine-Tuning Your Fixes	157
What Is a Selection?	158
Feathering and Anti-Aliasing	160
Making Your Selections with Tools	162
Marquee selection tools	162
Lasso selection tools	165
The Quick Selection tool	167
The Magic Wand tool	168
Refine Edge	168
Your Selection Commands	169
The primary selection commands	170
The Color Range command	170
Selection modification commands	172
Transforming the shape of selections	173
The mask-related selection commands	174
Masks: Not Just for Halloween Anymore	175
Saving and loading selections	175
Editing an alpha channel	176
Working in Quick Mask mode	178
Adding masks to layers and Smart Objects	178
Masking with vector paths	179
Adjustment Layers: Controlling Changes	179
Adding an adjustment layer	180
Limiting your adjustments	181
Chapter 9: Common Problems and Their Cures	185
Making People Prettier	186
Getting the red out . . . digitally	186
The digital fountain of youth	187
Dieting digitally	188
De-glaring glasses	189
Whitening teeth	190
Reducing Noise in Your Images	191
Decreasing digital noise	191
Eliminating luminance noise	192
Fooling Around with Mother Nature	192
Removing the unwanted from photos	192
Eliminating the lean: Fixing perspective	197
Rotating images precisely	198

Part III: Creating “Art” in Photoshop 199

Chapter 10: Combining Images201
Compositing Images: 1 + 1 = 1.....	201
Understanding layers.....	202
Why you should use Smart Objects.....	203
Using the basic blending modes.....	204
Opacity, transparency, and layer masks.....	207
Creating clipping groups	208
Making composited elements look natural	209
Making Complex Selections	211
Vanishing Point.....	213
Putting Together Images Automatically.....	217
Creating panoramas with Photomerge	217
Combining exposures for HDR images	219
Chapter 11: Precision Edges with Vector Paths223
Pixels, Paths, and You.....	224
Easy Vectors: Using Shape Layers	226
Your basic shape tools.....	226
The Custom Shape tool	227
More custom shapes — free!	229
Changing the appearance of the shape layer	231
Simulating a multicolor shape layer	231
Using Your Pen Tool to Create Paths.....	233
Understanding paths	233
Clicking and dragging your way down the path of knowledge.....	234
A closer look at the Paths panel.....	237
Customizing Any Path	241
Adding, deleting, and moving anchor points.....	241
Combining paths	244
Tweaking type for a custom font.....	245
Chapter 12: Dressing Up Images with Layer Styles247
What Are Layer Styles?.....	248
Using the Styles Panel	250
Creating Custom Layer Styles.....	251
Exploring the Layer Style menu.....	252
Exploring the Layer Style dialog box	253
Layer effects basics.....	255
Opacity, fill, and advanced blending.....	264
Saving Your Layer Styles	267
Adding styles to the Style panel	267
Preserving your layer styles	268
Chapter 13: Giving Your Images a Text Message271
Making a Word Worth a Thousand Pixels	272
A type tool for every season, or reason	274
What are all those options?	277
Taking control of your text with panels.....	280

The panel menus — even more options.....	284
Putting a picture in your text.....	286
Creating Paragraphs with Type Containers.....	288
Selecting alignment or justification.....	290
Ready, BREAK! Hyphenating your text	291
Shaping Up Your Language with Warp Text and Type on a Path	292
Applying the predefined warps	292
Customizing the course with paths	293
Chapter 14: Painting in Photoshop	297
Discovering Photoshop’s Painting Tools	298
Painting with the Brush tool	299
Adding color with the Pencil tool.....	302
Removing color with the Eraser tool.....	302
Picking a color	303
Working with other brush-using tools	305
Filling, stroking, and dumping to add color	308
Using gradients	309
Browsing the Brushes Panel.....	310
An overview of options.....	311
Creating and saving custom brush tips.....	314
Chapter 15: Filters: The Fun Side of Photoshop	315
Smart Filters: Your Creative Insurance Policy.....	315
The Filters You Really Need.....	317
Sharpening to focus the eye.....	317
Unsharp Mask	318
Smart Sharpen	319
Blurring images or selections	320
Using the Lens Correction filter.....	324
Cleaning up with Reduce Noise	325
Getting Creative with the Filter Gallery.....	327
Push, Pull, and Twist with Liquify.....	329
Do I Need Those Other Filters?	332
Bending and bubbling.....	332
Creating clouds.....	332
Part IV: Power Photoshop.....	333
Chapter 16: Streamlining Your Work in Photoshop	335
Ready, Set, Action!.....	336
Recording your own Actions.....	337
Working with the Batch command.....	342
Sticking to the Script	343
Tooling around in Bridge.....	346
Creating Presentations and Multi-page PDFs	348
Creating a PDF presentation	349
Collecting thumbnails in a contact sheet.....	351
Saving paper with picture packages	354
Creating Web Galleries	354

Chapter 17: Introducing Photoshop CS4 Extended	357
Understanding Photoshop CS4 Extended	358
Painting and Layers in 32-Bit Color.....	358
Smart Object Stack Modes.....	360
Working with 3D Artwork.....	361
Editing Imported Video	362
Measuring, Counting, and Analyzing Pixels.....	364
Measuring length, area, and more.....	364
Counting crows or maybe avian flu	366
Ignoring MATLAB, DICOM, and Other Initials.....	367
Part V: The Part of Tens	369
Chapter 18: Pete's Top Ten Favorite Photoshop Tips and Tricks	371
Adding Artistic and Creative Effects.....	371
Smoothing skin perfectly.....	372
From a photo to a painting.....	373
Creating a sketch from a photo	374
Creating snow or rain.....	376
The Glass Text effect.....	377
Useful Tricks to Make Life Easier	377
Changing product colors in a snap	377
Deleting a plain white background.....	377
Quick and easy edge effects.....	378
Making dashed and dotted lines	379
Printing multiple documents at the same time	380
Chapter 19: Ten Reasons to Love Your Wacom Tablet	381
More Natural Movement	381
Health and Safety	381
Artistic Control.....	382
Extended Comfort	382
Programmable ExpressKeys and Touch Strips	382
The Optimal Tablet	383
The Pen's Switch	383
Setting Preferences	383
Don't forget the accessories.....	384
Cintiq for the Ultimate Control.....	384
Chapter 20: Ten Reasons to Own a Digital Camera	385
Shooting Digital for Your Work.....	386
Shooting Digital for Yourself.....	387
Shooting Digital for the Rest of Us	388
Index	389