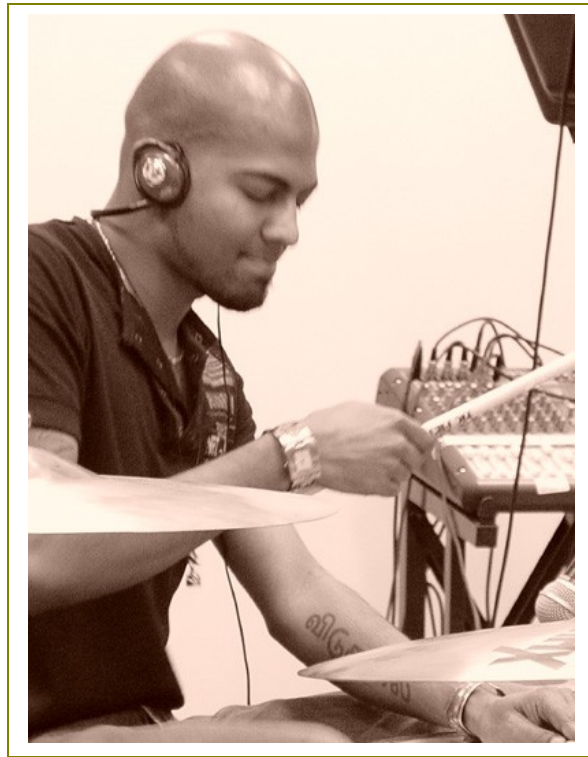


Advanced Digital Photography



By Amy Renfrey

Table Of Contents:

Titles:	Page No.
Photographers Excerpt- "Why Photography Matters"	5
Introduction	6
Chapter 1 Understanding How To Read Light	8
Light Range	9
Dynamic Range	10
F-stops and Dynamic Range	11
Levels of Light Between Complete White & Complete Black	11
How Light & Dynamic Range Works in Your Photography	12
F Stop Settings Explained	13
Your Lens & Your F Stop	15
How do you know what aperture range your camera's lens has?	17
The F stop scale	17
Learning F Stop	18
How a Larger Aperture Can Work To Give You Beautiful "Fast Freeze Frame Shots"	22
How Does A Small Aperture Work To Get Clear Shots?	24
How Aperture Effects Depth of Field	28
Chapter 2 Shutter Speed	31
Shutter Speed Explained	31
How Shutter Speed Works Mechanically	32
Slow Shutter Speeds	34
How To Use The Bulb Setting On Your Digital Camera	36
Shutter Release Cable & The Bulb Setting	37
Fast Shutter Speeds	38
Not All Action Shots Need High Shutter Speeds..	40
Chapter 3 Combining Shutter Speed & Aperture To Get The Best Exposure	41
Colour Can Impact Your F Stop & Shutter Speed Combinations	45
How To Get Fast Action Shots in Low Light	46
Exposure Value (EV) Explained	47
Exposure Compensation	49
Exposure Bracketing	50
Combining Photoshop and Exposure Bracketing to get the best exposure...	52
Chapter 4 How ISO Works	53
ISO Explained	53
Digital ISO	54
How ISO Affects Speed & Exposure	54
ISO Speed & Image Sensor Size	55
Mega Pixels & Sensors	56
What Causes Noise	57
High ISO & Noise	57

Is noise preventable?	58
Exposure Compensation Affects ISO Setting	59
How To Sharpen Noisy Images	
Chapter 5 Digital Photography File Formats	62
RAW File Format	62
Raw Mode	62
Jpeg Files	63
The Pros and Cons to Shooting in Each Mode	64
Chapter 6 What Lens You Really Need	66
Which is the best lens?	66
There are only two Types of Lenses	69
Prime Lens	69
Zoom lens	69
Other Types Of Lenses	70
Spherical lenses	70
Telephoto lenses	70
Which lens?	71
"How to Buy Digital Camera Lenses" -Article By Gary at Basic	71
Digital Photography	
Fast & Slow Lenses	73
Wide angle digital lenses for digital photography	74
How To Know If You Are Getting The Real Deal	76
Choosing a wide angle digital camera lens	76
Can your traditional slr film camera lens go onto your digital slr camera?	79
Getting clear images with traditional film camera lenses on digital cameras	80
Chapter 7 External Light Meters	82
Reflective Metering	83
Centre weight	83
Spot Metering	83
Matrix Metering	83
Incident Light Metering	84
The Truth About Light Meters	84
Working With The Light Meter	85
Light Values (LV)	87
Chapter 8 Tools You Can Use To Improve Exposure	90
The Histogram	90
How The Histogram Will Help You Read Light	92
Example of How A Histogram Works In PhotoShop	95
Neutral Grey Card	107
What to look for in Neutral Density Cards	108
Questions And Answers	109
Conclusion	120