

Table of Contents

<u>CH. 1 How To Use This Book</u>		12
<u>Play Video Content With BookText</u>	12	
<u>Navigate Within The Book</u>	14	
<u>Searching Within The Book</u>	15	
<u>VIDEO: Make the Most of This Book</u>	14	
<u>CH. 2 Setting Up SketchUp</u>		18
<u>Setting Preferences</u>	18	
<u>Shortcuts & Templates</u>	19	
<u>Model Info Window</u>	20	
<u>You Need More Tools</u>	21	
<u>Windows & Palletes</u>	22	
<u>Essential Keyboard Shortcuts</u>	22	
<u>VIDEO: Setting Up SketchUp</u>	23	
<u>CH.3 Navigation</u>		25
<u>Learn Navigation First</u>	25	
<u>The SketchUp World</u>	26	
<u>Zoom, Orbit & Pan Commands</u>	28	
<u>Use the Mouse Scroll Wheel</u>	29	
<u>Standard Views & Perspective</u>	30	
<u>VIDEO: Navigation in SketchUp</u>	31	
<u>CH. 4 Basic Tools Reference</u>		32
<u>This Comprehensive Reference Has Its Own Table of Contents</u>	11	
<u>CH. 5 Basic Drawing</u>		55
<u>Using Inferences</u>	55	
<u>VIDEO: Drawing On Axis</u>	56	
<u>Get The Length You Want</u>	57	
<u>Removing Unwanted Lines</u>	58	
<u>Drawing Rectangles</u>	59	
<u>VIDEO: Rectangles With 2 Clicks</u>	60	
<u>Extruding With Push/Pull</u>	61	

Table of Contents

<u>CH. 5 Basic Drawing (continued)</u>		
<u>VIDEO: Push/Pull to Make a Box</u>	62	
<u>Edges & Faces Defined</u>	63	
<u>CH. 6 Objects In SketchUp</u>		64
<u>More About Edges & Faces</u>	64	
<u>Objects Without Thickness</u>	65	
<u>Everything Is Sticky & Stretchy</u>	66	
<u>VIDEO: Sticky & Stretchy Stuff</u>	68	
<u>CH. 7 Measurement & Layout</u>		69
<u>Measure & Control Lengths</u>	69	
<u>Create Guidelines & Guidepoints</u>	70	
<u>VIDEO: Work With the Tape Measure</u>	72	
<u>CH.8 Move, Copy & Rotate</u>		73
<u>Place Things Where You Want Them</u>	73	
<u>The Power of Making Copies</u>	74	
<u>VIDEO: Making Copies</u>	76	
<u>Rotate Existing Objects</u>	76	
<u>Stretching Existing Objects</u>	78	
<u>VIDEO: Use Move Tool to Stretch</u>	80	
<u>CH.9 Groups</u>		81
<u>Start With a Simple Project</u>	81	
<u>The Power of Groups</u>	82	
<u>VIDEO: Use Groups to Gain Control</u>	85	
<u>CH.10 Components</u>		87
<u>Superpowers of Components</u>	87	
<u>The Components Window</u>	88	
<u>Changing Components</u>	90	
<u>Components Practice Project</u>	92	
<u>VIDEO: Make & Mirror Components</u>	93	
<u>VIDEO: Editing Components</u>	96	

Table of Contents

<u>CH.10 Components (continued)</u>		
<u>Instant Mortises from Tenons</u>	97	
<u>VIDEO: Redefine a Component</u>	99	
<u>Follow Me: Extrude Around a Corner</u>	99	
<u>CH.11 Advanced Components</u>		102
<u>Add Dovetails and Joinery Details</u>	102	
<u>Don't Draw, Use Component Copies</u>	105	
<u>VIDEO: Components as Resources</u>	107	
<u>Transfer Component Geometry</u>	107	
<u>VIDEO: Turn Tails Into Pins</u>	110	
<u>Nested Components in Components</u>	111	
<u>VIDEO: Alter Nested Components</u>	113	
<u>CH.12 Adding Details</u>		114
<u>Make a Raised Panel Door</u>	114	
<u>Copy Faces for Reference</u>	115	
<u>Make a Component Library</u>	116	
<u>VIDEO: Intersect Complex Objects</u>	118	
<u>Raised Panels With AutoFold</u>	119	
<u>Components Are Valuable Resources</u>	120	
<u>VIDEO: Component Stretch</u>	121	
<u>CH.13 Strategies & Advanced Actions</u>		123
<u>Case Design: Concept to Structure</u>	124	
<u>Catch Quirks Early on</u>	125	
<u>From Concept to Finished Parts</u>	126	
<u>Add a Face Frame</u>	130	
<u>VIDEO: Real Parts From Copied Faces</u>	131	
<u>Use Follow Me to Add Moldings</u>	133	
<u>VIDEO: 3-Sided Follow Me Molding</u>	135	
<u>VIDEO: Follow Me to Component Parts</u>	136	

Table of Contents

<u>CH.14 Circular Work</u>	138
<u>Holes in Rows for Shelf Pins</u>	140
<u>VIDEO: Circles In SketchUp</u>	141
<u>Turned Pedestal Table Project</u>	142
<u>VIDEO: Follow Me Turnings</u>	144
<u>Reference Face for Curves</u>	145
<u>VIDEO: Drawing Arcs</u>	147
<u>VIDEO: Rotated Copies</u>	148
<u>Complex Curves: Cabriole Leg</u>	149
<u>VIDEO: Make a Cabriole Leg</u>	151
<u>CH.15 Problem Solving & Efficiency</u>	152
<u>Don't Draw Unless You Have to</u>	152
<u>Know Your Tools and Practice</u>	153
<u>Remember Your Friends</u>	154
<u>Something Doesn't Look Right</u>	155
<u>You Can Change, SketchUp Won't</u>	156
<u>Typical Issues for New Users</u>	156
<u>CH.16 Resources</u>	158
<u>Links to Online Resources</u>	158
<u>CH.17 Mining Information</u>	160
<u>Scenes</u>	160
<u>VIDEO: Creating and Using Scenes</u>	162
<u>Dimensions</u>	162
<u>Layers</u>	165
<u>VIDEO: Dimensions & Layers</u>	168
<u>Add Detail Drawings</u>	169
<u>Cutlists</u>	169
<u>Optimizing Material and Cut Layout</u>	171
<u>VIDEO: Make a Cutlist</u>	172
<u>VIDEO: Make An Exploded View</u>	173

Table of Contents

<u>CH.18 Print With Layers & Scenes</u>	174
Modeling With Styles	174
<u>VIDEO: Change Appearance With Styles</u>	176
Materials	177
<u>VIDEO: Applying Materials</u>	178
Basic Printing	179
Scaled & Full-Size Printing	181
<u>VIDEO: Printing From SketchUp</u>	182

Table of Contents

Basic Tools Reference Contents:

<u>Pencil (Line) Tool</u>	34	
<u>VIDEO: Pencil Tool</u>		34
<u>Rectangle Tool</u>	36	
<u>VIDEO: Rectangle Tool</u>		36
<u>Push/Pull Tool</u>	38	
<u>VIDEO: Push/Pull Tool</u>		38
<u>Selection Arrow & Boxes</u>	40	
<u>VIDEO: Selection Arrow</u>		40
<u>Eraser Tool</u>	43	
<u>VIDEO: Eraser Tool</u>		43
<u>Move Tool</u>	44	
<u>VIDEO: Move Tool</u>		44
<u>Copy Function of Move Tool</u>	45	
<u>VIDEO: Use Move to Copy</u>		45
<u>Tape Measure Tool</u>	46	
<u>VIDEO: Measure</u>		46
<u>VIDEO: Make Guidelines</u>		47
<u>VIDEO: Scale the Model</u>		48
<u>Protractor Tool</u>	49	
<u>VIDEO: Protractor Tool</u>		49
<u>Rotate Tool</u>	50	
<u>VIDEO: Rotate Tool</u>		50
<u>Offset Tool</u>	51	
<u>VIDEO: Offset Tool</u>		51
<u>Follow Me Tool</u>	52	
<u>VIDEO: Follow Me</u>		53
<u>Scale Tool</u>	54	
<u>VIDEO: Scale Tool</u>		54

Instruction is available within the SketchUp program for every tool as you model. Select "Instructor" from the windows menu to view. Directions will change with each tool selected, and links are included to additional help files online. Drag the Instructor window with the title bar to dock it on a corner of your screen. Click on the title bar to collapse and expand the Instructor window.