

## **SketchUp Tutorials, Tips & Tricks, and Links**

This compendium is for all to use. While I have taken the time to verify every site listed below when they were initially added, that's also the last time I have checked them. Therefore I ask, you, the user, should a link no longer be valid, or the link contains incorrect information, please e-mail me at [stevenwj@sbcglobal.net](mailto:stevenwj@sbcglobal.net) and I will have the link removed or corrected. It is only through your efforts this compendium can remain as accurate as possible. Thank you for your help and keep on SketchUpping!

Steven.

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### **Quick Links Index**

(Not all headings are listed below)

<a href="#">Animation</a>	<a href="#">CAD Related</a>	<a href="#">Components</a>	<a href="#">Drafting Software</a>	<a href="#">File Conversion</a>	<a href="#">Fun Stuff</a>
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### **SketchUp Books**

e-mail: [docwalt@erols.com](mailto:docwalt@erols.com)

telephone: 1-973-364-1120

fax: 1-973-364-1126

The SketchUp 5 "Delta" Book -- 49.95 The SketchUp Book (Release 5, color) -- 84.95

SU Version 5 Delta: Price \$49.95 (This just covers what's new in V5)

SU Version 5: Price \$84.95

SU Version 4: Price: \$69.95 USD

SU Version 4 Delta: Price: \$43.95 USD (This just covers what's new in V4)

SU Version 3: Price: \$62.95 USD

SU Version 2: Price: \$54.95 USD

Orders can be placed via e-mail, phone, or fax. Visa, MasterCard, American Express accepted.

Also, see Bonnie Roskes' Website, author of book, to order: <http://www.f1help.biz/ccp51/cgi-bin/cp-app.cgi>

3D Construction Modeling by Dennis Fukai – Order through Amazon - \$29.95

<http://www.insitebuilders.com/3DModelPages>

### **SketchUp Users Guide**

(It's the Help files)

<http://www.sketch3d.com/?sid=32> (Free Download - .pdf – Windows and Mac versions available)

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### **Grant Marshall's Tips for New Users**

<http://www.marshallarts.co.za/SketchUpTips.htm> This is a MUST read for new and experienced users alike.

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Video Tutorial Checklist (David William Edwards)

<http://www.sketchup.com/forum/read.php?f=4&i=41312&t=41312>

The University of Liverpool on Learning SketchUp

<http://www.liv.ac.uk/abe/students/sketchup/index.shtml>

**The Tutorials**

This first set of Tutorials are relevant to all versions of SketchUp

Mark's Section Cut Tutorial (Bob deWitt) All

<http://www.sketch3d.com/forum/read.php?f=4&i=1708&t=1687>

Cut Openings (Bob deWitt) All

<http://www.sketch3d.com/forum/read.php?f=4&i=1147&t=1115>

Cut Openings – Part II (Bob deWitt) All

<http://www.sketch3d.com/forum/read.php?f=4&i=2637&t=2637>

Cutting Openings (Grant Marshall) All

<http://www.sketch3d.com/forum/read.php?f=1&i=5634&t=5634>

Windows on a curved wall (Bob deWitt) All

<http://www.sketch3d.com/forum/read.php?f=3&i=1600&t=1600>

Windows on a curved wall (Jean Lemire) All

<http://www.sketchup.com/forum/read.php?f=4&i=34199&t=34199>

Arch Cutting (Bob deWitt) All

<http://www.sketch3d.com/forum/read.php?f=4&i=2932&t=2932>

Arch Cutting (Ulises Flores Zavala) – Movie All

<http://sketchup.com/forum/read.php?f=4&i=16687&t=16687>

Clean images (Bob deWitt) All

<http://www.sketch3d.com/forum/read.php?f=3&i=2177&t=2177>

Showing a section as a solid (Mark Carvalho) All

<http://www.sketch3d.com/forum/read.php?f=4&i=1578&t=1578>

Making quick changes to the height of a model (Dick Barath and Mark Carvalho) All

<http://www.sketch3d.com/forum/read.php?f=4&i=2094&t=2094>

Round curvy stuff using SU (Mark Carvalho) All

<http://www.sketch3d.com/forum/read.php?f=1&i=3959&t=3958>

Changing size – not scale – of a model (Barbara Craig, Bob deWitt, Ross Macintosh, Bryce Stout, and Mark Carvalho) All

<http://www.sketch3d.com/forum/read.php?f=4&i=2719&t=2719>

Trees in a hurry (Grant Marshall) All

<http://www.sketch3d.com/forum/read.php?f=4&i=104&t=93>

The Tree Factory (Richard Jeffrey) All

<http://sketchup.com/forum/read.php?f=2&i=8339&t=8339>

Camera and Viewpoint Positioning in SU (Grant Marshall) All

<http://www.sketch3d.com/forum/read.php?f=4&i=4605&t=4605>

2 & 3 Point Perspective Matching (Michael Young)

<http://www.sketchup.com/forum/read.php?f=4&i=38447&t=38214>

Hyperbolic Parabola (Phil) All

<http://www.sketch3d.com/forum/read.php?f=2&i=1419&t=1419>

Tensile Structures (Jean Lemire) All

<http://sketchup.com/forum/read.php?f=4&i=19087&t=19087> – There are two of them here.

Creating a Fabric Roof (Bob deWitt, Alan Fraser, Paul Miller, Grant Marshall, and Brian Burbidge) All

<http://sketchup.com/forum/read.php?f=4&i=13264&t=13264>

Creating Compound Curves (Jesper Wille) All

<http://sketchup.com/forum/read.php?f=4&i=17607&t=17607>

Pegboard (Ross Macintosh, Dave Fultz, Kevin Gentry, Bob deWitt, Mike Young, and Ed Smith) All

<http://www.sketch3d.com/forum/read.php?f=4&i=2510&t=2510>

Kitchen Cabinets (Kevin Gentry) All

<http://www.sketch3d.com/forum/read.php?f=4&i=2676&t=2676>

Creating “photo-realistic” objects in SU (Marty Mariman) All

<http://www.sketch3d.com/forum/read.php?f=4&i=3213&t=3213>

Using a Photo as a Texture (Yasser) All

<http://www.sketch3d.com/forum/read.php?f=1&i=5036&t=4928>

Creating an Oval (Mitchel Stangl) All

<http://www.sketch3d.com/forum/download.php?f=4&file=oval.jpg>

Multiple Section Cuts (Michael Young) All

<http://www.sketch3d.com/forum/read.php?f=4&i=4456&t=4456>

Intersecting Planes (Michael Young and Mark Carvalho) All

<http://www.sketch3d.com/forum/read.php?f=4&i=4691&t=4691> (There are two different tutorials in this link.)

Mirroring Objects (Jesper Wille) All

<http://www.sketch3d.com/forum/read.php?f=4&i=5079&t=5079>

Image Alignment (Jim Patrick) All

<http://www.sketch3d.com/forum/read.php?f=4&i=5983&t=5983>

Making Components (Dave Fultz) All

<http://www.sketch3d.com/forum/read.php?f=4&i=6054&t=6054>

Cambered Elements (David Rich - inspired by Rien de Hart) All

<http://www.sketch3d.com/forum/read.php?f=4&i=6409&t=6409>

Scaling Windows (Jim Patrick) All

<http://www.sketch3d.com/forum/read.php?f=4&i=6494&t=6494>

Creating Topography Fast (Phil Read) All

<http://www.sketch3d.com/forum/read.php?f=3&i=4069&t=4069>

Creating Topography Fast – Part II (Phil Read) All

<http://www.sketch3d.com/forum/read.php?f=3&i=4050&t=4050>

Creating 3D Topos (Max) All

<http://sketchup.com/forum/read.php?f=4&i=26556&t=26556>

Fog Effect (Bob deWitt) All

<http://www.sketch3d.com/forum/read.php?f=3&i=4592&t=4592>

Creating an Animation (Bob deWitt) All

<http://sketchup.com/forum/read.php?f=4&i=12154&t=12154>

Creating a Fly Around (P. Fleming) All

<http://sketchup.com/forum/read.php?f=2&i=4517&t=4517>

Working with Imported Text (Kevin Gentry) All

<http://sketchup.com/forum/read.php?f=4&i=14382&t=14382>

Creating a Tapered Rope Table Leg (Kenny King) All

<http://sketchup.com/forum/read.php?f=3&i=8377&t=8377>

Creating a Spring (Alan Fraser) All

<http://sketchup.com/forum/read.php?f=4&i=15791&t=15791>

Technique for Cutting Cars in Half (Paul Miller) All

<http://sketchup.com/forum/read.php?f=2&i=5590&t=5590>

Circles on Curved Surfaces (Ulises Flores Zavala) – Movie All

<http://sketchup.com/forum/read.php?f=4&i=16403&t=16403>

Creating Stairs (Ulises Flores Zavala) – Movie All

<http://sketchup.com/forum/read.php?f=4&i=16727&t=16727>

Creating a Spiral Staircase (Jean Lemire) All

<http://www.sketchup.com/forum/read.php?f=4&i=35498&t=35498>

Creating a Spiral Staircase (Jean Lemire) All

<http://www.sketchup.com/forum/read.php?f=4&i=41564&t=41564>

Creating a Curved Ascending Wall (Franklin Munoz) All

<http://www.sketchup.com/forum/read.php?f=3&i=12815&t=12815>

Creating a Cupola (Ulises Flores Zavala) – Movie All

<http://sketchup.com/forum/read.php?f=4&i=17298&t=17298>

Organic Shapes in SketchUp (Jepser Wille) All

<http://homepage.mac.com/jesperwille/Organic01.html>

Making a Curved Bowl (Jean Lemire) All

<http://sketchup.com/forum/read.php?f=4&i=21411&t=21411>

Virtual Reality in SU (Bob deWitt) All

<http://sketchup.com/forum/read.php?f=3&i=12073&t=12073>

Creating Geometric Shapes (Jean Lemire, Bryce Stout) All

<http://sketchup.com/forum/read.php?f=4&i=22570&t=22570>

Flattening a Pipe (Jean Lemire) All

<http://sketchup.com/forum/read.php?f=4&i=22981&t=22981>

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The following tutorials are specific to V3

Extrude Along a Path (Michel Cuypers) – For PC only V3

[http://www.sketchup.com/forum/download.php/2.2662/EAP\\_02.jpg](http://www.sketchup.com/forum/download.php/2.2662/EAP_02.jpg)

Extruding Along a Path (Vaughn MacIlrath) V3

<http://www.sketch3d.com/forum/read.php?f=3&i=4246&t=4246>

Semi-Dome ala Stangl (Bob deWitt) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=1571&t=1565>

Lathing Technique - Turned Table Leg (Bob deWitt) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=1484&t=1456>

Sweep Technique (Jesper Wille) – similar to above V3

<http://www.sketch3d.com/forum/read.php?f=4&i=4824&t=4824>

Dome (Bob deWitt) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=1058&t=1045>

Sphere (Bob deWitt) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=2560&t=2560>

Sphere (ArchiTrix) V3

<http://sketchup.com/forum/read.php?f=4&i=18457&t=18457>

Pipe Bend (Bob deWitt) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=2464&t=2464>

Pipe Bend (Bob deWitt) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=6907&t=6907>

Pipe Elbows (Dave) V3

<http://www.sketch3d.com/forum/read.php?f=2&i=1634&t=1634>

Niche (Bob deWitt, Wendell Wickre, Brent Nyquist) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=2833&t=2833>

Miters – Part I (Grant Marshall) V3

<http://www.sketch3d.com/forum/read.php?f=1&i=3982&t=3859>

Miters – Part II (Grant Marshall) V3

<http://www.sketch3d.com/forum/read.php?f=1&i=2869&t=2869>

Miters – Part III (Grant Marshall, Mike Young, Kevin Gentry) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=1990&t=1990>

Creating a Grid in SU (Kevin Gentry) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=2686&t=2686>

Round Filleted Corners – Part I (Orlando Sardaro, Bob deWitt, Grant Marshall, Colin Seow, Bryce Stout, Jim Patrick) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=5912&t=5912>

Round Filleted Corners – Part II (Bob deWitt) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=6038&t=6038>

Round Filleted Corners – Part III (Jim Patrick) V3

<http://www.sketch3d.com/forum/read.php?f=2&i=2359&t=2359>

Round Filleted Corners – Part IV (Jim Patrick) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=5912&t=5912>

Round Filleted Corners – Part V (Jim Patrick, Jesper Wille, Stefan Mennen, Paul Miller) V3

<http://sketchup.com/forum/read.php?f=4&i=14528&t=14528>

Round Filleted Corners – Part VI (Ulises Flores Zavala) V3

<http://sketchup.com/forum/read.php?f=4&i=16739&t=16739>

Round Filleted Corners – Part VII (Jim Patrick, ArchiTrix) V3

<http://sketchup.com/forum/read.php?f=4&i=18456&t=18456>

Chamfered Edges (Ulises Flores Zavala) – Movie V3

<http://sketchup.com/forum/read.php?f=4&i=20326&t=20326>

Smoothing Pipes and Domes (Bob deWitt) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=6699&t=6699>

Wrapping Textures Around Circular Objects (Alan Fraser, Marty Mariman, Mark Bowen) V3

<http://www.sketch3d.com/forum/read.php?f=3&i=4916&t=4916>

Wrapping Textures Around Circular Objects (Bob deWitt) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=8189&t=8189>

Bob's Texture Wrapping Tutorial (Bob deWitt) V3

<http://www.sketch3d.com/forum/read.php?f=4&i=8172&t=8172>

Creating a Helix (Kevin Gatzke and Jim Patrick) V3

<http://sketchup.com/forum/read.php?f=1&i=9985&t=9985>

Helix Cutter (Alan Fraser, Grant Marshall, Bjorn Nilssen) V3

<http://sketchup.com/forum/read.php?f=4&i=13999&t=13999>

Glass casting Shadows (Paul Miller, Jackson Barkess) V3

<http://sketchup.com/forum/read.php?f=1&i=15338&t=15338>

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### **Tips and Tricks**

Auto Run SketchUp Files from CD or DVD

<http://www.sketchup.com/forum/read.php?f=4&i=24950&t=24931>

<http://www.sketch3d.com/forum/read.php?f=1&i=3532&t=3532>

Modeling Ship Hulls

<http://www.sketch3d.com/forum/read.php?f=1&i=4998&t=4998>

Cumulative Files

<http://www.sketch3d.com/forum/read.php?f=3&i=1646&t=1646>

Curved Brick Arches Using a Texture

<http://www.sketch3d.com/forum/read.php?f=3&i=2380&t=2380>

Pasting SU Models into Photographs

<http://sketchup.com/forum/read.php?f=4&i=13134&t=13134>

Night Scenes in SU

<http://sketchup.com/forum/read.php?f=4&i=14178&t=14178>

Resizing SU Images in a Photo App

<http://sketchup.com/forum/read.php?f=1&i=12175&t=12175>

Shadow Settings in Traditional Orthographic Renderings

<http://www.sketchup.com/forum/read.php?f=4&i=24598&t=24587>

Advice on File Size, Polygons and Over-modeling

<http://sketchup.com/forum/read.php?f=4&i=33112&t=33112>

Improving SU Performance

<http://www.sketchup.com/forum/read.php?f=4&i=62049&t=62049>

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### The Links

#### **Textures - General:**

[http://www.sketchup.com/material\\_library.php](http://www.sketchup.com/material_library.php) (SketchUp Material Library)

<http://www.sketch3d.com/forum/read.php?f=2&i=1760&t=1760> (Non-Representational – Ross MacIntosh)

<http://www.sketch3d.com/forum/read.php?f=2&i=1758&t=1758> (Slattered Ink – Ross MacIntosh)

<http://www.sketch3d.com/forum/read.php?f=2&i=1748&t=1748> (Wavy Texture – Ross MacIntosh)

<http://www.sketch3d.com/forum/read.php?f=2&i=1742&t=1742> (Line Art – Ross MacIntosh)

<http://www.sketch3d.com/forum/read.php?f=2&i=1741&t=1741> (Gray Scale Textures – Ross MacIntosh)

<http://www.sketch3d.com/forum/read.php?f=2&i=828&t=828> (Wood Grains – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=822&t=821> (Fabrics – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=798&t=797> (Glass Block – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=767&t=764> (Tree Bark – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=761&t=761> (Miscellaneous – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=678&t=671> (Stone1 – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=672&t=671> (Stone2 – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=668&t=668> (Stone3 – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=673&t=673> (Pebbles – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=661&t=661> (Siding – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=633&t=633> (Vinyl Flooring – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=632&t=631> (Ceiling Tiles – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=2178&t=2178> (AutoCAD Hatch Patterns – Jim Patrick)

<http://www.sketch3d.com/forum/read.php?f=2&i=2299&t=2299> (Spanish Roof Tile – Vaughn MacIrrath)

<http://www.sketch3d.com/forum/read.php?f=2&i=2221&t=2221> (Stainless Steel – Greg La Vardera)

<http://www.sketch3d.com/forum/read.php?f=2&i=2215&t=2215> (Brick – Andy Moorer)

<http://www.sketch3d.com/forum/read.php?f=2&i=2186&t=2186> (Concrete – Michael Young, Andy Moorer and Adam T)

<http://www.sketch3d.com/forum/read.php?f=2&i=2379&t=2379> (White Fur - Andy Moorer and Dave)

<http://www.sketch3d.com/forum/read.php?f=2&i=2436&t=2436> (Map Textures – Paul Miller)

<http://www.sketch3d.com/forum/read.php?f=2&i=2767&t=2767> (Brick, wood, 3D, Medieval – Alan Fraser)

<http://www.sketch3d.com/forum/read.php?f=2&i=3925&t=3925> (Crackle Textures – Bob Cleaver)

<http://sketchup.com/forum/read.php?f=2&i=3998&t=3998> (Bamboo – Jim Patrick)

<http://sketchup.com/forum/read.php?f=2&i=4000&t=4000> (Bamboo and Weaves – Jim Patrick)

<http://sketchup.com/forum/read.php?f=2&i=4002&t=4002> (Bamboo and Cane – Jim Patrick)

<http://sketchup.com/forum/read.php?f=2&i=4136&t=4136> (Doors – Gonen)

<http://sketchup.com/forum/read.php?f=2&i=5022&t=5022> (Grass – Alan Fraser, Jim Patrick, Alberto)

<http://sketchup.com/forum/read.php?f=2&i=6641&t=6641> (Wood Decking – Ross MacIntosh and Erich)

<http://www.caligari.com/products/trueSpace/ts5/Libraries/Materials/Woods.asp?Cate=Materials> (Free) Huge Variety

<http://perso.club-internet.fr/lemog/#> (Free) Huge Variety

<http://textures.forrest.cz> (Free) Wide Variety

<http://astronomy.swin.edu.au/~pbourke/texture/> (Free) Wide Variety

<http://www.viziwiz.com/downloads.html> (Free) Large Variety

<http://www.3dcafe.com/asp/textures1.asp> (Free and Pay) Large Variety

<http://www.planit3d.com/> (Free) Large Variety

<http://www.4bytes.com/shakespeare/index.html> (Pay) Large Variety

[http://www.the3dstudio.com/\(ta22ki45yfpnlk2h5ho30u45\)/textures.asp](http://www.the3dstudio.com/(ta22ki45yfpnlk2h5ho30u45)/textures.asp) (Free) Large Variety

[http://perso.club-internet.fr/lemog/lemog\\_textures/acc\\_textures01.html](http://perso.club-internet.fr/lemog/lemog_textures/acc_textures01.html) (Free) Large Variety

<http://www.eosdev.com/ForYouFromEos.htm> (Free) Very Lagre Variety – Mostly Wallpaper-like Backgrounds

[http://www.3dup.com/index\\_eng.shtml](http://www.3dup.com/index_eng.shtml) (Free) Backgrounds, Fabrics, Ground, Metal, Solar System (?), and Wood

<http://www.autofx.com/utc.asp> (Free) - Paper, Fabric, Stone, Metal, Art, and Organic

<http://digital-eel.com/surface/index.htm> (Free) Only 8 Categories but Huge Selection

<http://www.pegtop.de/gallery.htm> (Free) Small Selection of 3D textures and Flags

<http://www.newtek.com/freestuff> (Free) Metal, nature, sky, stone and wood

<http://www.paurex.com/> (Free and Pay) Mostly 3D

<http://www.e-interiors.net/default.php> (Free) Floor and Finishes

## SketchUp Tutorials, Tips & Tricks, and Links

<http://www.wilsonart.com/> (Free) Laminate Samples  
<http://www.formica.com/> (Free) Laminate Samples  
<http://www.culturedstone.com/> (Free) Stone  
<http://www.bpsifs.com/cultures/en-us/brand.htm?UserPref=culture%5Een-US> (Free) Fabrics  
<http://www.mr-cad.com/default.php?cPath=3> (Free) – Wood, Fabric, Carpet  
<http://www.veneerselector.com/> (Free) – Wood Veneer  
<http://inky.library.yale.edu/hough/pages/vol08.html> (Free) – Wood  
<http://www.planetquake.com/berneyboy/textures.htm> (Free) – Huge Variety (Over 2,000 Textures in one zip file – 124MB)  
<http://www.amazing3d.com/services/textures.html> (Free and Pay) – metal, rock, organics, wood, industrial  
[http://perso.wanadoo.fr/meteor\\_3d/AutreTextures.htm](http://perso.wanadoo.fr/meteor_3d/AutreTextures.htm) (Free) – Large variety  
[http://www3.kannet.ne.jp/~f-works/gallery\\_bg.html](http://www3.kannet.ne.jp/~f-works/gallery_bg.html) (Free) – Large variety of backgrounds  
<http://www.mayang.com/textures> (Free) – Huge Variety  
[http://www.monitorstudios.com/bcloward/resources\\_textures.html](http://www.monitorstudios.com/bcloward/resources_textures.html) (Free) – large variety  
<http://www.pixelpoke.com/FREE%20PIXELS.html> (Free) – large variety  
<http://www.grafik-welt.de/Download/DLTexturen.htm> (Free) – small collection  
<http://www.jansdesigns.com/textures1.html> (Free) – small collection – in .psd format  
<http://toob.bryce-alive.net/textures/index.htm> (Free and Pay) – Large variety  
<http://www.wolfiesden.com/golgotha/golgotha.html> (Free) - huge variety though not categorized  
<http://www.imageafter.com/images.php> (Free) – Huge variety  
<http://invalide.gnougou.com/textures.php> (Free) – Huge variety – all photographs  
<http://www.i-tex.de/gallery.htm> (Free) – Huge variety  
<http://www.cabinetdiscounters.com/corior/colors.html> (Free) – Corian colors  
<http://www.ktn3d.com/downloadstextures-1.htm> (Free) – Huge variety  
<http://digitalcraftsman.com/textureBin/textureBin.htm> (Free) – Huge variety – all photographs and not categorized  
<http://www.uniquerenditions.com/TextureZIPS/NatureTextures1.htm> (Free) – small collection  
[http://www.noctua-graphics.de/english/freetex\\_e.htm](http://www.noctua-graphics.de/english/freetex_e.htm) (Free) – Huge variety  
<http://www.levelsofdetail.com/downloads/index.html> (Free) - Huge variety  
<http://www.3-form.com/index.html> - (Free) – Resin based panels  
<http://www.marlinstudios.com> (Free and Pay) Huge variety  
[http://www.lunerouge.org/textures/textures\\_e.htm](http://www.lunerouge.org/textures/textures_e.htm) (Free) – Huge Variety  
<http://jonathanclark.com/textures> (Free) – huge variety though not categorized  
<http://infografiate.iespana.es/infografiate> (Free) – Large variety  
<http://www.mayang.com/textures> (Free) – Large variety  
<http://www.grsites.com/textures> (Free) – Huge variety of backgrounds (over 4,700)  
<http://www.webbied.com/3dtronic> (Free) – Large variety  
<http://www.aabackgrounds.com> (Free) – Huge collection – over 2,000 textures and backgrounds  
[http://www.art.net/~jeremy/photo/public\\_texture](http://www.art.net/~jeremy/photo/public_texture) (Free) – Large variety  
<http://www.graysage.com/cg/BackDrops/Textures> (Free) – Small collection  
<http://www.correct-proportion.com> (Free)  
[http://www.eosdev.com/eosdev\\_Backgrounds.htm](http://www.eosdev.com/eosdev_Backgrounds.htm) (Free) – Huge Variety  
<http://marlinstudios.com> (Free and Pay) Large Variety  
<http://www.amtico.com/index2.asp?s=commercial> (Free) – Large Variety  
<http://www.murogtag.dk/arkitektbib> (Free) – Brick and Tile – in Danish  
<http://www.3dworldmag.com/resources> (Free) – Large Variety  
<http://www.dosch.de/products/textures/> (Pay) – Large Variety  
[http://lemog.club.fr/lemog\\_textures/acc\\_textures01.html](http://lemog.club.fr/lemog_textures/acc_textures01.html) (Free) – Huge Variety  
<http://www.viz2000.com/html/alfa/materials.html> (Free) – Huge Variety

### **Textures -Brick:**

<http://www.ibstock.co.uk> (Free)  
<http://www.acmebrick.com/md/index.htm> (Free)  
[http://www.beldenbrick.com/md\\_page.htm](http://www.beldenbrick.com/md_page.htm) (Free)  
[http://www.mcnear.com/md\\_download.html](http://www.mcnear.com/md_download.html) (Free)  
<http://www.accurate-image.com/acme/help/> (Free)  
<http://www.murogtag.dk/arkitektbib> (Free) – (In Danish but easy to figure out)

### **Textures - Sky:**

<http://uk.geocities.com/estazia/cscontact.htm> (Free)  
[http://www.studio-arkada.com.pl/pliki/elementybiblioteczne/backgroundy/bekgrandy\\_pl.htm](http://www.studio-arkada.com.pl/pliki/elementybiblioteczne/backgroundy/bekgrandy_pl.htm) (Free)



**Texture Editors:**

<http://www.cinegraphics.net/product.php?location=Iris> (Free and Pay) Iris  
<http://www.texturemaker.com> (Pay) Texture Maker  
<http://www.spiralgraphics.biz> (Free) Genetica  
<http://graphicssoft.about.com/cs/tiletexturepc> (Free and Pay) – Seamless Tile and Texture Makers – several to choose  
<http://www.i-tex.de> (Free Demo – Pay) Texture Maker  
<http://www.mediachance.com/pseam> (Free Demo - Pay) – Photo Seam

**Texture Tutorials:**

<http://www.cadmonkey.com/tut11.htm> (Free) Photoshop Magic  
<http://www.3drender.com/light/EqTutorial/tiling.htm> (Free) Fixing Lighting Irregularities in Self-Tiling Maps

**SU Components:**

<http://www.sketch3d.com/downloads/components.php> (SketchUp Component Library)  
<http://www.objectivenetworks.net/new/index.php> (Free) – Objective Networks  
<http://www.3d-figures.com> (Pay) – Men, Women, and Children models by Alan Fraser  
<http://www.thecomponentstore.com/about.html> (Free and Pay) Models by Allister Godfrey  
[http://www.bytesize.com/products\\_aqua/mpak\\_skp/mpak\\_skp.html](http://www.bytesize.com/products_aqua/mpak_skp/mpak_skp.html) (Pay) – ByteSize Studio  
<http://www.yda-online.com/shopmodels.htm> (Free) – John Yurko  
<http://www.formfonts.com/intro.php> (Pay)

**Models:**

<http://www.3dcafe.com/asp/meshes.asp> (Free and Pay) Numerous Categories and Formats  
<http://www.3dmodelsharing.com/> (Free) Numerous Categories and Formats  
[http://www.modelmasters.com/express/exp\\_autos.html](http://www.modelmasters.com/express/exp_autos.html) (Pay) Numerous Categories and Formats  
<http://www.3dmodelsharing.com/index.php> (Free and Pay) Numerous Categories and Formats including skp  
[www.turbosquid.com](http://www.turbosquid.com) (Free and Pay) Numerous Categories and Formats  
<http://www.4bytes.com/shakespeare/index.html> (Pay) Numerous Categories and Formats  
<http://www.digimation.com/models/SiteHome.aspx> (Pay) Numerous Categories and Formats  
<http://www.kit3dmodels.com/> (Free and Pay) Furniture – Max, DXF  
[www.artek.fi](http://www.artek.fi) (Free) Furniture – dwg, dxf  
<http://www.hags.com/> (Free) Playground Equipment – dwg, dxf  
<http://www.viz2000.com/> (Pay) Furniture – 3ds, max  
<http://www.mr-cad.com/default.php?cPath=38> (Free and Pay) – Furniture – Max, 3ds, dwg, obj, and lwo  
[http://www.leuwico.com/WEB\\_E/Architekten/ARCH\\_EF\\_00.htm](http://www.leuwico.com/WEB_E/Architekten/ARCH_EF_00.htm) (Free) Furniture - dxf  
<http://www.connectdesign.com> (Free) Furniture – 3ds, max  
<http://www.po-korhonen.fi/tuotteet.php?lang=eng> (Free) – Furniture – 3ds, dwg  
<http://www.int3d.com/index.html> (Free) - Furniture - VRML Format only  
<http://grafix.www7.50megs.com/> (Free and Pay) Plants – 3ds, dxf  
<http://www.visenv.com/3dtrees/catalog.htm> (Pay) Trees  
<http://www.artrecon.com/> (Pay) – Architectural Details – 3ds, lwo, dxf, obj, 3dmf  
<http://www.accustudio.com/exchange/prnindx.htm> (Free) Numerous Categories – dwg  
<http://www.iobjects.co.uk/> (Free) Numerous Categories – dwg  
<http://cadblocks.net> (Free) Numerous Categories – dwg  
<http://www.abscissa.net/> (Pay) Numerous Categories - dwg  
<http://home.att.net/%7Emodeloutlet/index.html> (Free) Few Models - dwg  
<http://www.jgbraun.com/castings2.html> (Free) - Architectural Iron Work - DWG  
[http://www.the3dstudio.com/\(ta22ki45yfpnlk2h5ho30u45\)/models.aspx](http://www.the3dstudio.com/(ta22ki45yfpnlk2h5ho30u45)/models.aspx) (Free) Numerous Categories – 3ds, Max  
<http://www.planit3d.com/index.htm> (Free and Pay) Numerous Categories – Max, 3ds  
<http://www.cadmonkey.com/models.htm> (Free) Several Categories -3ds  
[http://www.klicker.de/e\\_mod.htm](http://www.klicker.de/e_mod.htm) (Free) Numerous Categories – 3ds  
<http://www.point3d.com/> (Pay) Numerous Categories – 3ds, max, dwg, dxf  
<http://shape.cs.princeton.edu/search.html> (Free) Numerous Categories - wrl, 3ds, dwf  
[http://www.the3dstudio.com/\(ff4sucrvohx5wj55pv3y3w3o\)/models.aspx](http://www.the3dstudio.com/(ff4sucrvohx5wj55pv3y3w3o)/models.aspx) (Free) Numerous Categories - 3ds, max  
<http://www.3-d-models.com/> (Pay) Numerous Categories – 3ds, Max, Poser, Lightwave  
[http://www.3dspecial.com/3d\\_models\\_furniture.html](http://www.3dspecial.com/3d_models_furniture.html) (Pay) Numerous Categories - 3ds, lws, dxf  
<http://www.3dentourage.com/index.htm> (Pay) Several Categories - 3ds, dwg, dxf  
<http://www.amazing3d.com/free/free.html> (Free and Pay) Numerous Categories – Max, 3ds, dxf, vrml  
<http://www.e-interiors.net/default.php> (Free) Numerous Categories - dxf, dwg, 3ds

## SketchUp Tutorials, Tips & Tricks, and Links

<http://www.3dcadbrowser.com/default.aspx> (Pay) Numerous Categories - obj, 3ds, dxf, lwo  
<http://www.cognita.co.uk/main.htm> (Free) – Numerous Categories – dwg, dxf, 3ds, max  
<http://www.objectsonline.com/arc/default.tpl> (Free and Pay) - Numerous Categories  
<http://www.ultra3d.com> (Free) – small selection of tables and chairs – 3dm, igs, 3ds, and max  
<http://www.cadresource.com/library/symbols.html> (Free) – large selection – dwg, dxf  
<http://www.fypon.com/Download.htm> (Free) – architectural details – dwg, dxf  
<http://www.fryreglet.com/new/default.asp> (Free) Metal Details –dwg, dxf, whip  
<http://www.3dtotal.com/ffa/meshes/meshvehicles.asp> (Free) – Max, 3ds, dxf, lwo  
<ftp://ftp.lammhults.se/cad> (Free) - .dwg (There are textures, too)  
<http://www.dixdesign.com/designs.htm> (Free) boats – no downloads just pictures and dimensions  
<http://www.3dviewport.com/models/index.php?lang=eng> (Free) – numerous categories - 3ds  
<http://catalogues.archigate.net/fr/GDLObjects/default.asp?page=2#270> (Free) – Cars – gdl  
([http://www.graphisoft.com/products/object\\_technology/downloads](http://www.graphisoft.com/products/object_technology/downloads) - (Free) – convert gdl to dxf, 3ds, ect)  
[http://www.bytesize.com/products\\_aqua/products.html](http://www.bytesize.com/products_aqua/products.html) (Pay) – Models for PowerCADD  
<http://www.poitra.com> (Pay) - numerous categories – max  
<http://www.vb-visual.com/db/index.php?rubrik=home> (Free and Pay) – Plants - 3DS, Max, C4D, .dwg, Microstation  
<http://3dplants.0catch.com/index.html> (Free and Pay) – Plants – 3DS, obj, lwo, dxf  
<http://www.toucan.co.jp/indexE.html> (Free) – Several Categories – 3ds  
<http://www.lowpolygon3d.com/cgi-bin/cp-app.cgi> (Free and Pay) – 3ds, Max  
<http://toucan.web.infoseek.co.jp/3DCG/3ds/FlowerModelsE.html> (Free and Pay) – Fish, Flowers, Insects – 3ds, vrml  
<http://dmi.chez.tiscali.fr/models1.html> (Free and Pay) – Links to lots of models in numerous formats  
[http://www.leuwico.com/WEB\\_E/Architekten/ARCH\\_GO\\_B1\\_00.htm](http://www.leuwico.com/WEB_E/Architekten/ARCH_GO_B1_00.htm) (Free) – Lewico  
<http://www.deespona.com/index.html> (Pay) – Numerous Categories – 3DS  
<http://www.3dchaya.com/index.html> (Free and Pay) – Japanese Models – obj, dxf, 3ds  
<http://www.haddonstone.co.uk> (Free and Pay) – Cast Stone work - dwg  
<http://www.figuera.com> (Free) – Seating – 3ds  
[www.hermanmiller.com](http://www.hermanmiller.com) (Free) 3ds, dwg – Herman Miller  
[www.buildingenvironments.com](http://www.buildingenvironments.com) (Free) dwg, dxf, 3ds, max - Building Environments  
<http://www.po-korhonen.fi/tuotteet.php?lang=eng> (Free) dwg, 3ds – Korhonen

### Millwork Profiles:

<http://www.stephensmillwork.com/AutoCAD.htm> (Free) Stephens Millwork  
<http://www.dykeslumber.com/mouldingdownload.asp> (Free) Dykes Lumber  
<http://www.generalbuilders.com/> (Free) General Builders  
<http://www.millworkstore.com> (Free) The Millwork Store  
<http://www.starklumber.com/autocad.html> (Free) Stark Lumber  
<http://www.andersonmcquaid.com/AutoCad%20Files.htm> (Free) Anderson and McQuaid Co.

### Plumbing Fixtures:

<http://www.us.kohler.com/tech/cadsymbol/cadsymbol.jsp> (Free) Kohler  
<http://www.ceramicaflaminia.it/> (Free) Flaminia

### Windows:

<http://www.pellaadm.com/HTML/products.html> Pella Windows  
<http://www.pittsburghcorning.com> (This site has SU glass block windows for downloading!) Pittsburgh Corning

### Model Links:

<http://www.3dsite.com/n/sites/3dsite/cgi/mmarket-index.html> (I have not checked all sites available)  
[http://www.3dup.com/index\\_eng.shtml](http://www.3dup.com/index_eng.shtml) (I have not checked all the sites available)  
<http://www.digitaldreamdesigns.com/3DModels.htm> (Links to more model sites)  
[http://www.3dlinks.com/software\\_modshare.cfm](http://www.3dlinks.com/software_modshare.cfm) (Links to 3D sites)  
[http://web3d.about.com/library/weekly/blatozfree.htm?PM=ss12\\_3dgraphics](http://web3d.about.com/library/weekly/blatozfree.htm?PM=ss12_3dgraphics) (links to more model sites)

### RCP'S:

<http://www.archvision.com/> (Pay) Archvision  
<http://www.imagecels.com> (Pay) – ImageCELS

### Polygon Reduction Software:

<http://www.geomcad.com/> (Pay) AutoSimp

## SketchUp Tutorials, Tips & Tricks, and Links

<http://www.mootools.com/plugins/us/polygoncruncher/index.htm> (Pay) Polygon Cruncher  
<http://tu cows.ncable.net.au/preview/314444.html> (Free Demo - Pay) Polgon Cruncher for 3D Browser Pro  
<http://www.lowpolygon3d.com/cgi-bin/cp-app.cgi> (Free) This is VRML import only and the save feature seems disabled!  
[http://www.rsi.gmbh.de/decimator\\_e.htm](http://www.rsi.gmbh.de/decimator_e.htm) (Free Demo – Pay) Decimator  
<http://www.mootools.com/plugins/us/index.htm> (Pay) – Plug-in – Polygon Cruncher  
<http://www.paralelo.com.br/en/solucoes/tecnologia/progmesh> (Free) – Plug-in - ProgMesh

### **Photo Editing:**

<http://www.gimp.org/> (Free) Gimp  
<http://www.irfanview.com/> (Free) IrfanView  
<http://www.fo2pix.com> (Pay) Fo2PIX  
<http://www.pl32.com/> (Free Demo – Pay) Photoline 32  
<http://www.winsoftmagic.com/index.html#ajc> (Free Demo - Pay) Advanced JPEG Compressor  
<http://www.photomodeler.com/> (Free Demo - Pay) PhotoModeler  
<http://www.absolutelyfreeware.com/4009.html> (Free) PhotoModeler Lite  
<http://www.edream.co.uk/prodview.asp?sku=FO8000&mc=XP00103&TRK=1> (Pay) PhotoArt Master  
<http://www.powerretouche.com/> (Pay) Power Retouche  
<http://digi-element.com/modelshop/index.htm> (Pay) Model Shop  
<http://www.jasc.com/products/paintshoppro> (Pay) PaintShop Pro  
[http://www.ulead.com/runme\\_ns.htm](http://www.ulead.com/runme_ns.htm) (Free Demo Pay) – PhotoImpact  
<http://www.lemkesoft.com/en/graphcon.htm> (Shareware) – GraphicConverter (Mac)  
<http://www.picasa.com/> (Free) – Picasa  
<http://www.stereopsis.com/vjpeg> (Free) - Stereopsis

### **Color Matching:**

<http://www.easyrgb.com> (Free and Pay) – EasyRGB-PC

### **Color Charts:**

<http://www.colorcharts.org/ccorg> (Free) Color Charts

### **Paint Programs:**

<http://www.squirreldome.com/> (Pay) Project DogWaffle (what is up with this name?)  
<http://www.ambientdesign.com/artragedown.html> (Free) – ArtRage

### **Rendering:**

<http://www.povray.org/> (Free) POV-Ray  
<http://user.txcyber.com/~sgalls/index.htm> (Free) - PoseRay - Imports 3D Models into PovRay  
[http://www-public.tu-bs.de:8080/~y0013390/iso\\_wood.html](http://www-public.tu-bs.de:8080/~y0013390/iso_wood.html) (Free) - Materials for PovRay  
<http://www.accustudio.com/index.htm> (Free) AccuStudio  
<http://www.corel.com/servlet/Satellite?pagename=Corel2/Products/Home&pid=1047022702185> (Demos – Pay) Painter  
<http://www.gardenhose.com> (Free) – Painter tutorials  
<http://www.ac3d.org/> (Free Demo - Pay) AC3D  
<http://www.algorithmic.com/index.html> (?) Eva  
<http://www.fo2pix.com/> (Free Demo - Pay) Fo2PIX  
<http://www.abvent.com/us/default.asp> (Free Demo - Pay) Art\*Lantis  
<http://www.maxoncomputer.com/> (Free Demo - Pay) Cinema  
<http://www.postforum.com/forums/list.php?f=6> Post Forum - Cinema Forum  
<http://www.cgtalk.com/forumdisplay.php?s=191d2baa9339dcf31883b923d26da7d6&daysprune=&forumid=47&x=3&y=8> – CGTalk – Cinema Forum  
<http://www.creativecow.net/index.php?forumid=19> – Cinema 4D Cow – Cinema Forum  
<http://www.wonderful.org.uk> – Cinema Tutorials  
<http://www.jollup.co.uk/html/index.php?page=8> – Cinema Tutorials  
<http://www.xara.com/products/xarax/> (Free Demo – Pay) Xara  
<http://www.reals3d.com> (Free Demo - Pay) Reals3D  
<http://www.caligari.com/> (Free Demo – Pay) TrueSpace  
<http://www.electricimage.com/> (Pay) Electric Image  
<http://www.informatix.co.uk/index.shtml> (Free Demo - Pay) Piranesi  
<http://www.mad-fx.com/> (Pay) Mad-FX  
<http://www.cubicspace.com/> (Pay) rtr – a plug-in for 3DS Max

## SketchUp Tutorials, Tips & Tricks, and Links

<http://www.e-onsoftware.com/> (Pay) Vue d' Esprit  
<http://www.guitta.net> (Free) – Tutorials for Vue  
<http://web.sfc.keio.ac.jp/~syoyo/lucille/index.html> (Free) Lucille  
<http://www.kray.prv.pl/> (Free) Kray Tracing  
<http://www.yaf-ray.org> (Free) Yaf-Ray  
<http://www.radiance-online.org/> (Free) Radiance  
<http://radsite.lbl.gov/radiance/HOME.html> (Free) - Radiance  
<http://radsite.lbl.gov/radiance/HOME.html> (Free) – Radiance (different from above) – Mac based  
<http://www.eovia.com/home.jsp> (Free Demo – Pay) Carrera Studio  
<https://www.erain.com/store/Product.asp?product=T3D&version=300&license=F> (Pay) Swift 3D  
<http://www.rendercity.com/rendering/render.html> (Free and Pay) RenderCity  
<http://www.realsoft.com/> (Pay) Real Soft 3D  
<http://www.richardrosenman.com/global.htm> (long list of rendering programs)  
<http://www.vrayrender.com/> (Free Demo – Pay) V-Ray -Plug-in for Max but stand-alone is in the works  
<http://www.strata.com/> (Free Demo - Pay) – Strata 3D Pro  
<http://www.3d-designer.com/> (Free Demo – Pay) – CyberMotion 3D-Designer  
<http://www.amabilis.com/products.htm> (Free and Pay) – 3D Canvas  
<http://www.amabilis.com/tutorials.htm> (Free) – 3D Canvas tutorials  
<http://www.schorsch.com> (Free Demo – Pay) – RayFront  
<http://artofillusion.org> (Free) – Art of Illusion  
<http://www.coala.uniovi.es/~jandro/noname> (Free) – YAFRay  
<http://www.3dvirtualight.com> (Free) – VirtualLight  
<http://www.mentalimages.com/index.html> (Pay) – Mental Images  
<http://www.integra.co.jp/insight> (Pay) – InSight – Plug-in for 3D Studio  
<http://www.cs.kuleuven.ac.be/cwis/research/graphics/RENDERPARK> (Free) – RenderPark – for Linux only  
[http://www.novedge.com/Rhinoceros\\_Flamingo.asp](http://www.novedge.com/Rhinoceros_Flamingo.asp) (Pay) – Flamingo - Plug-in for Rhino  
<http://disjointed.org/archives/000602.html> (Pay) – Splutterfish – Plug-in for 3DS Max  
<http://naturepainter.net> (Free Demo – Pay) – Nature Painter  
<http://shade.e-frontier.co.jp/en/index.html> (Free Demo – Pay) Shade (modeler and renderer)  
<http://www.cebas.com/index.asp> (Pay) – Final Renderer – Plug-in for Max and Viz  
<http://www.softimage.com/home> (Pay) – Soft Image  
<http://www.mediachance.com> (Free Demo – Pay) Several to choose from  
[http://www.lightworkdesign.com/lw\\_home.htm](http://www.lightworkdesign.com/lw_home.htm) (Pay) – Lightworks  
<http://www2.asro.kuleuven.ac.be/asro/English/HOME/SBs/render/render.htm> (Free) – Render Comparisons  
<http://www.frecle.net> (Free demo – Pay) – Gile – Global Illumination Editor (and free tree generator)  
<http://www.squ1.com/index.php?http://131.251.21.249/squ1/downloads> (Free Demo – Pay) – EcoTech  
<http://www.deskartes.com> (Free Demo – Pay) – Deskartes  
<http://www.integra.co.jp/insight/gallery.htm> (Free Demo – Pay) InSight – plug-in for 3D Studio  
<http://www.radiance-online.org/> (?) – Radiance  
<http://www.imsisoft.com/prodinfo.asp?t=1&mcid=188> - (Free Demo – Pay) CAD Renderer Studio  
<http://www.the123d.com/forum/viewtopic.php?t=56> - (Free) – Links to various free render software  
<http://www.finalrender.com/products/overview.php?UD=10-7888-33-788&PAID=1> (Pay) Plug-ins for 3DS and Viz  
<http://www.softlab.ece.ntua.gr/~jpanta/Graphics/Kerkythea/> (Free) – Kerkythea  
<http://www.vertustech.com/index.htm> (Free Demo – Pay) Fluid Mask (Photoshop Plug-in)  
[http://www.artweaver.de/index.php?en\\_version](http://www.artweaver.de/index.php?en_version) (Freeware – for now) - ArtWeaver

### Resolution Issues:

<http://sketchup.com/forum/read.php?f=4&i=12751&t=12751> (Paul Miller)  
<http://sketchup.com/forum/read.php?f=4&i=12734&t=12734>  
<http://www.sketch3d.com/forum/read.php?f=1&i=5280&t=5280>

### Rendering Advice:

<http://sketchup.com/forum/read.php?f=1&i=11706&t=11706>

### Non Photo-Realistic Rendering:

<http://www.red3d.com/cwr/npr/#silhouettes> (Free) – Stylized Depiction – Non Photo-realistic Rendering  
<http://www.littleinkpot.co.uk/Index.htm> (Free and Pay) Sketcher Plug-in (For Photoshop)

**Books on Hand Rendering:**

<http://www.sketch3d.com/forum/read.php?f=1&i=19088&t=19088> (Thomas Cummings)

**Adobe Illustrator Tips:**

<http://www.sketch3d.com/forum/read.php?f=4&i=4572&t=4534>

<http://www.sketch3d.com/forum/read.php?f=4&i=4555&t=4140>

**Steel Products:**

<http://www.steelselect.com/> (Free) Complete steel design systems

**Text:**

[www.armanisoft.ch](http://www.armanisoft.ch) (Free) Armanisoft

<http://www.fonthead.com/index.html> (Free and Pay) Fonthead Design

<http://www.tcfonds.com> (Pay) tc Fonts

<http://www.clipserver.de> (Free) Clip Server

<http://freespace.virgin.net/james.devlin/fonta.htm> (Free) Fonts

<http://www.fonts.com/findfonts/detail.asp?pid=203276> (Pay) Fonts.com

<http://www.myfonts.com/browse/keyword/architect/?itemsperpage=25&resultcount=25&page=1> (Pay) myFonts.com

<http://www.flashkit.com/fonts> (Free) Flash Components.com

<http://membres.lycos.fr/pfeweb> (Free) – PFE 3D Text Generator

<http://www.pentacom.jp/soft/ex/font/edit.html> (Free) - BitFintMaker

**Video Capture:**

<http://www.microsoft.com/windows/windowsmedia/wm7/encoder.aspx> (Free) Windows Media Encoder

<http://www.techsmith.com/products/studio/default.asp> (Pay) Camtasia Studio

<http://www.intervideo.com/jsp/Home.jsp> (Pay) WinDVD

<http://www.pinnaclesys.com> (Pay) Pinnacle Systems – several to choose from

<http://www.aviexpert.com> (Free) – AVI Export Software

<http://www.sorenson.com> (Pay) – Sorenson Squeeze

<http://www.erain.com/products/Swift3D> (Pay) – Swift3D

<http://www.capturepad.com/index.htm> (Pay) - CapturePad

**Animation:**

<http://www.3d-designer.com/index.html> (Free) Cyber-Motion 3D Designer

<http://www.mad-fx.com/> (Free Demo – Pay) mad-FX

[http://maxon.net/jumps/cinema4d\\_portal\\_e.html](http://maxon.net/jumps/cinema4d_portal_e.html) (Free) Cinema 4

<http://www.adobe.com/products/photoshopalbum/starter.html> (Free) Photoshop Album Starter Addition

<http://www.techsmith.com/products/dubit/default.asp> (Free) – Dubit – add audio to your video

<http://www.newtek.com> (Pay) – Lightwave

<http://www.microsoft.com/windowsxp/using/digitalphotography/photostory/default.msp> (Free) – PhotoStory 3

<http://www.windowshotostory.com/Guides/SportsTextEffects/Sports-Text-Effects.aspx> (Free) Tute for above

<http://www.windowshotostory.com/Guides/SportsTextEffects/Sports-Text-Effects-Part-2.aspx> (Free) Same

**Animation Tips:**

<http://www.sketchup.com/forum/read.php?f=4&i=15712&t=15712>

<http://sketchup.com/forum/read.php?f=4&i=15912&t=15912>

<http://sketchup.com/forum/read.php?f=3&i=12073&t=12073> VR Experiment – Bob deWitt

<http://sketchup.com/forum/read.php?f=3&i=12125&t=12125> VR Experiment – Greg's Challenge

**Sweets:**

<http://sweets.construction.com/> (Free)

**Software Utilities:**

<http://www.oxxomedia.com/en/index.html> (Shareware) MouseImp

<http://eyedropper.inetia.com/> (Free) Eyedropper

<http://www.iconico.com/> (Free) Screen Calipers and ColorPic

<http://www.planetside.co.uk/> (Free and Pay) Terragen

## SketchUp Tutorials, Tips & Tricks, and Links

<http://www.geomantics.com/index.html> (Pay) – Landscape software  
<http://www.kandusoftware.com/home.html> (Pay) - Graphics Converter  
<http://www.okino.com/conv/conv.htm> (Free Demo - Pay) - 3d model/NURBS/CAD/animation translation  
<http://www.e-cardmodel.com/pepakura-en> (Free Demo – Pay) – Pepakura Designer - Model Flattening/Unfolding  
<http://www.unwrap3d.com> (Pay) - Model Flattening/Unfolding  
<http://cadgraphicswest.com/html/autopol.html> (Pay) – AutoPOL - Model Flattening/Unfolding  
<http://www.maxpc.co.uk/downloads> (Free) – MaxPC magazine downloads  
<http://www.lakefolks.org/cnt> (Free) – Virtual keyboard  
<http://homepage.ntlworld.com/softsoft/wintopo/index.htm> (Free and Pay) – Raster to Vector Conversion  
<http://www.rarlab.com> (Free and Pay) – A WinZip file compression software but for RAR files  
<http://www.izsoft.dir.bg/izarc.htm> (Free) – File Compression software  
[http://www.v-com.com/product/pd\\_ind.html](http://www.v-com.com/product/pd_ind.html) (Free and Pay) – a better version of Windows Explorer  
<http://www.drsoftware-home.com/index.html> (Pay) – Dr. Software – Real Time Structural Analysis  
<http://membres.lycos.fr/treegenerator/compare.htm> (Pay) – Tree Generator  
<http://www.brianapps.net/sizer.html> (Free) – Sizer – resize windows on your desktop  
<http://www.contextcad.com/protoform.htm> (Pay) – AutoCAD Plug-in – Context CAD - Model Flattening/Unfolding  
<http://www.jasc.com> (Free Demo – Pay) – Photo Album  
<http://www.actualtools.com/transparentwindows> (Free Demo – Pay) – Actual Transparent Windows  
<http://bugbear.blackfish.org.uk/~bruno/mirrors/dersch/www.fh-furtwangen.de/%257Edersch> (Free) – Panorama Tools  
<http://www.peda.com/polypro> - (Free and Pay) – PolyPro  
<http://download.com.com/3000-6675-10220039.html?tag=lst-0-1> (Free) – CutePDF  
<http://www.propro.ru/bcad/indexe.html> (Free demo – Pay) – Store Studio (Create, GIFfun, PStill)  
[http://www.belarc.com/free\\_download.html](http://www.belarc.com/free_download.html) (Free) – Personal PC Audit  
<http://www.acdsystems.com/English/index.htm> (Free Demo – Pay) – ACDSSee  
<http://www.ghisler.com> (Shareware) – Total Commander  
<http://www.sodipodi.com> (Shareware) – Sodipodi – Layout Software  
<http://www.inkscape.org> (Free) – Inkscape – Layout Software  
<http://www.photodex.com/products/compuPic> (Free Demo – Pay) – CompuPic  
<http://www.alerma.com/cooltabs.html> (Pay) CoolTabs  
<http://grc.com/default.htm> (Free and Pay) – Gibson Research  
<http://www.debugmode.com> (Free) Debug Mode – Software Utilities for Video and Audio  
<http://home.insightbb.com/~ryanvm/tinyutilities/vitrite> (Free) – Vitrite – Windows Transparency  
<http://www.unsanity.com/news> (Free and Pay) – Menu Master for Mac OS X  
<http://www.grc.com/default.htm> (Free) – Several Windows Software Utilities  
<http://aay.com/squiggle.htm> (Free Demo – Pay) – Squiggle  
[http://www.tb-software.com/prod\\_index.html](http://www.tb-software.com/prod_index.html) (Free) – tb Software  
<http://www.picozip.com> (Free Demo – Pay) Pico Zip  
<http://www.jansfreeware.com> (Free) – Jans Freeware Collection  
<http://www.panoramas.dk> (  
<http://www.applied-synergetics.com/ashp/index.php> (Free) WinDome – Geodesic Dome Generator  
<http://www.ashzfall.com/products/autorun/browsercall.html> (Free) - Browser Call  
<http://www.7-zip.org> (Free) – 7-Zip  
<http://www.registryfix.com> (Free and Pay) – Registry Fix  
<http://www.singerscreations.com/Software.asp> (Free) – Post-it notes for your desktop  
<http://www.zhornsoftware.co.uk/stickies> (Free) – Zhorn Software – Post-it notes for our desktop  
<http://www.alpha-interactive.de> (Free and Shareware) - Alpha Interactive – numerous utilities  
<http://www.jarte.com/index.html> (Free and Pay) – Jarte Word Procrrsor

### **Adware & Spyware Software:**

<http://www.lavasoftusa.com/software/adaware> (Free) – Ad-Aware  
<http://www.safer-networking.org/en/download> (Free and Pay) – Spybot  
[http://www.intermute.com/spysubtract/cwshredder\\_download.html](http://www.intermute.com/spysubtract/cwshredder_download.html) (Free Demo – Pay) CWShredder  
<http://www.javacoolsoftware.com/spywareblaster.html> (Free and Pay) – SpyWareBlaster  
<http://www.pandasoftware.com/activescan/com> (Free – on-line) – Panda ActiveScan  
[http://housecall.trendmicro.com/housecall/start\\_corp.asp](http://housecall.trendmicro.com/housecall/start_corp.asp) (Free – in-line) – HouseCall  
<http://home.ca.com/v2.0-img/operations/ca/site/promo/pp2.html> (Pay) – Pest Patrol  
<http://www.komando.com/bestshareware.asp> (Free)

**Software, Galleries, Links, and other Miscellaneous Stuff:**

<http://www.computerarts.co.uk/> (Free and Pay)  
<http://www.wings3d.com/> (Free)  
<http://www.geocities.com/paulthepuzzles/aardvarks.html> (Free) – Wings 3D Tutorials  
<http://www.renderosity.com/index.ez> (Free and Pay)  
<http://www.cerious.com/> (Free Demo – Pay)  
<http://www.geocities.com/getspatch/> (Free)  
<http://www.deneba.com> (Free Demo – Pay)  
<http://www.mediachance.com/> (Free and Pay)  
<http://www.dynawares.com/> (Free and Pay)  
<http://www.artifice.com/> (Pay) 3d Modeling Software  
<http://www.structural-engineering.fsnet.co.uk/free.htm> (Free) - Structural Software and Misc.  
<http://bantam3d.com> (Free and Pay) – Create grass, leaves, rocks, plants, etc.  
<http://www.keyterra-firma.com/index.shtml> (Pay) – create surveys and landscapes – AutoCAD based  
<http://www.eaglepoint.com/landscape> (Pay) – add landscape, irrigation and hardscapes  
<http://www.flashkit.com/index.shtml> (Free)  
<http://www.photoplan.net> (Pay – and in French) Photo flattening software  
[http://www.ulead.com/runme\\_ns.htm](http://www.ulead.com/runme_ns.htm) (Free Demo – Pay) Photo and video editing software  
<http://www.cadsofttools.com> (Free demo – Pay)  
<http://www.onyxtree.com> (Pay) – Create trees  
<http://www.oyonale.com/ressources/english/sources01.htm> (Free – Pay) Create trees, grass and prairies  
<http://bantam3d.com> (Free and Pay) – Create grass, twigs/flowers, and hair - .obj  
[http://www.movieworks.com/mwdl\\_features.html](http://www.movieworks.com/mwdl_features.html) (Pay) – Video Editing  
<http://www.provtech.co.uk/software/screenprint32.asp> (Free) – ScreenPrint32  
<http://www.avid.com/freedv> - (Free) - Avid Free DV  
<http://www.virtualdub.org> - (Free) – VirtualDub  
[http://www.techsupportalert.com/best\\_free\\_utilities.htm](http://www.techsupportalert.com/best_free_utilities.htm) The 46 Best-ever Freeware Utilities  
[http://www.v-d-l.com/adrenaline\\_camouflage.html](http://www.v-d-l.com/adrenaline_camouflage.html) (Free) Camouflage – PhotoShop plug-in  
<http://www.pointzero.nl/renderers> (Free) - Renderer Information  
<http://www.designcommunity.com> (Free) – Design Community (Forum and Software – Design Workshop)  
<http://www.architectureweek.com> (Free) – Architecture Week  
<http://www.cgarchitect.com> (Free and Pay) – CG Architect  
<http://www.visualizationmasters.com> (Free) – Visualization Masters  
<http://www.runrev.com> (Free Demo – Pay) – Dream Card – Software Design and Programming  
<http://www.straightdope.com/index.html> – (Free) - The Straight Dope  
<http://www.abbott.demon.co.uk/knots.html> (Free) – Celtic Knotwork  
<http://filext.com/index.php> (Free) – FILExt – The File Extension Source  
<http://www.bykeyword.com/pages/3d.html> (Free) - 3D Software Downloads  
<http://www.skype.com/> (Pay) – Skype – Internet Telephone  
<http://www.majorgeeks.com/> (Free and Pay) – Lots of Freeware and Shareware  
<http://cutlistplus.com/> (Free and Pay) – Cut List Plus  
<http://www.turntool.com/> (Pay) – 3D Viewer  
<http://www.deathbyarch.com/html/competitions.html> (Free) - Death by Architecture  
<http://www.competitions.org/subscribe/> (Free) – Architectural Competitions  
<http://www.getright.com/> (Pay) GetRight – Internet Downloading  
<http://www.panoramas.dk> (Free and Pay) – Panaoramas (Creating)  
<http://www.laiserin.com/index.php> (Free) The Laiserin Letter  
<http://www.norrkross.com/> (Free) – Mac OS X Software

**Plug-ins:**

<http://flamingpear.com/index.html> (Pay) Flaming Pear  
<http://www.3d-tiger.de/en/> (Free) 3D Tiger Visualization – Illustrator Plug-in – in German  
<http://www.cubicspace.com/> (Not a clue) rtr – for MAX

**File and Image Viewer** – Great for viewing SU components on your PC

<http://www.xnview.com/> (Free) XnView  
<http://www.cadsofttools.com> (Pay) ABViewer  
<http://www.freefirestudio.com/cadsee.htm> (Free and Pay) CADSee

**Time Tracking:**

<http://www.spudcity.com/traxtime/traxtime.htm> (Pay) – TraxTime Time Tracker  
<http://www.vakcer.com> (Pay) – Vakcer Time Tracker  
<http://www.sphericaltech.com> (Pay) – Spherical Time Sheet Time Tracker  
<http://www.timeslice.us> (Free Demo – Pay) – Time Slice  
<http://www.billquick.com> (Free Demo – Pay) – Bill Quick

**Drafting Software:**

<http://www.dcad.com> (Free Demo - Pay) – DeltaCAD  
<http://www.engsw.com> (Free Demo - Pay) – PowerCADD  
<http://www.cadstd.com> (Free Demo – Pay) – CADstd  
<http://www.ilexsoft.com> (Free Demo – Pay) – HighDesign  
<http://www.microspot.com/products/macdraft.htm> (Free Demo – Pay) – MacDraft  
<http://www.adx-online.com/realcadd/realcadd.htm> (Free Demo – Pay) – RealCADD  
<http://guide.apple.com/uscategories/3d.lasso> (Click on the CAD radio button)  
<http://www.imsisoft.com> (Several to choose from)  
<http://www.idecad.com> (Free Demo – Pay) – ideCAD  
<http://www.emachineshop.com> (Free) - emachineshop  
<http://www.ransen.com/Dexterpen/Default.htm> (Free Demo – Pay) – Dexterpen  
[http://www.corusconstruction.com/page\\_8974.htm](http://www.corusconstruction.com/page_8974.htm) (Free) – Corus Construction Centre  
<http://www.ashlar.com> (Pay) – Ashlar-Vellum  
[http://www.ptc.com/appserver/it/icm/cda/template\\_lib/product/icm01\\_product\\_v.jsp?&im\\_dbkey=2295&im\\_language=en&ab=try](http://www.ptc.com/appserver/it/icm/cda/template_lib/product/icm01_product_v.jsp?&im_dbkey=2295&im_language=en&ab=try) (Pay) ProDesktop 3D  
<http://ppo.intergraph.com/SmartSketch> (Free Demo - Pay) SmartSketch  
<http://justcad.com/> (Free) - JustCAD  
<http://www.cadstd.com/> (Free and Pay) CADSTD  
<http://www.freecad.com/> (Free) – FreeCAD  
<http://www.ribbonsoft.com/qcad.html> (Pay) – Qcad (Mac)  
<http://www.plcad.com> (Pay) – PLCad  
<http://www.progecad.com> (Free) ProgCAD

**Modeling Software:**

[http://www.quadrispace.com/presenter\\_aec.htm](http://www.quadrispace.com/presenter_aec.htm) (Free Demo – Pay) – Quadrispace - kind of a SketchUp/Piranesi combo  
<http://www.blender3d.org> (Free) Blender  
<http://www.anim8or.com/main/index.html> (Free) Anim8or  
<http://sketchup.com/forum/read.php?f=4&i=29030&t=29030> – Claudio – Anim8or Tutorial  
<http://sketchup.com/forum/read.php?f=4&i=29398&t=29398> – Claudio – Anim8or Tutorial  
[http://forms.caligari.com/forms/ts3all\\_free.html](http://forms.caligari.com/forms/ts3all_free.html) (Free and Pay) True Space  
<http://www.facegen.com/products.htm> (Free and Pay) FaceGen  
<http://www.touchcad.com/index.html> (Free Demo – Pay) – TouchCAD  
<http://www.geocities.com/getspatch> (Free) – sPatch  
<http://www.geocities.com/hamapatch/program/index.html> (Free) HamaPatch  
[http://www.eovia.com/amapi7/product\\_intro\\_am7.jsp](http://www.eovia.com/amapi7/product_intro_am7.jsp) (Free Demo - Pay) – Amapi Designer  
<http://shade.e-frontier.co.jp/en/index.html> (Free Demo – Pay) – Shade – modeler and renderer  
<http://www.realviz.com> (Pay) – REALVIZ Image Modeler  
<http://www.silo3d.com> (Free Demo – Pay) – Silo 3D - modeler and renderer  
<http://www.ecabinetsystems.com> (Free) – E-Cabinets  
<http://www.propro.ru/bcad/indexe.html> (Pay) – bCAD  
<http://codenautics.com/meshwork> (Shareware) – Meshwork  
<http://homepage.mac.com/mwengenm/Cheetah3D/index.html> (Shareware) – Cheetah 3D  
<http://pixologic.com/home/home.shtml> (Pay) – Z-Brush – Organic modeler  
<http://www.cadsoftsolutions.co.uk/index.html> (Pay) – Concepts  
<http://www.curvy3d.com/index.html> (Free Demo - Pay) – Curvy 3D  
<http://www.imodeller.com/en/> (Free Demo – Pay) – iModeller 3D  
[http://www.d-vw.com/dsculptor/about/about\\_d\\_sculptor.htm](http://www.d-vw.com/dsculptor/about/about_d_sculptor.htm) (Free Demo - Pay) – D-Sculptor 2

**Terrain Modeling:**

<http://www.daylongraphics.com/products/leveller> (Free) Daylon Leveller  
[www.compuneering.com](http://www.compuneering.com) (Free Demo – Pay) Compuneering



## SketchUp Tutorials, Tips & Tricks, and Links

<http://sketchup.com/forum/read.php?f=4&i=16009&t=16009> (Free and Pay)  
<http://www.pandromeda.com> (Free Demo – Pay) MojoPack  
<http://www.vterrain.org> (Free and Pay) – Vitruvian Terrain Project  
<http://mujweb.cz/www/SurGe/> (Free Demo and Pay) – SurGe – Gridding and Mapping Software  
<http://digi-element.com/site/index.htm> (Pay) - Digital Elements  
<http://www.insanesoftware.de/index.php?page=freetools/terrain.php> (Free) – Terrain Texture Generator

### **File Conversion Software:**

<http://synapses.mcg.edu/tools/xroads/xroads.stm> (Free) Crossroads 3D  
<http://www.righthemisphere.com/> (Free Demo – Pay) Visual Information Systems  
<http://www.micromouse.ca/index.html> (Pay) AccuTrans3D  
<http://www.okino.com/conv/filefmt.htm> (Free Demo – Pay) – Okino  
<http://www.quick3d.org> (Free Demo – Pay) – quick 3D Professional  
<http://www.tenlinks.com/CAD/translation/software.htm> – Many to choose from  
<http://www.vextrasoftware.com> (Free) – Vextractor - Raster to vector conversion tool  
<http://web.axelero.hu/karpo> (shareware) – 3D Object Converter  
<http://homepage.ntlworld.com/softsoft/wintopo/index-pro.htm> (Pay) - WinTopo - Raster to Vector Conversion  
<http://www.docsmartz.com> (Free Demo – Pay) – DocSmartz

### **Photo Measuring Software:**

<http://www.photomodeler.com/index.html> (Pay) PhotoModeler  
<http://www.3darchitect.co.uk/3darchitect/curamess/index.htm> (Pay) Curamess

### **Presentation Software:**

<http://www.powerbullet.com> (Free) PowerBullet Presenter  
<http://www.scala.com> (Pay) Scala  
<http://www.cbnsystem.com/services/home.asp> (Free) – CBN Selector  
<http://www.0-360.com/tourweaver.asp> (Free Demo – Pay) – Tour Weaver

### **PDF Creators:**

<http://www.pdf995.com> (Free) PDF995  
<http://www.gohtml.com> (Free) goBCL Document Service  
<http://www.webxd.com/zipguy/freepdf.htm> (Free) Free PDF  
<http://www.daneprairie.com> (Free) Win2PDF  
<http://neevia.com/prodDPLT.htm#docuPrinter> (Free) – docuPrinter LTF  
<http://www.smileonmymac.com/PDFpen/download.html> (Free Demo – Pay) – PDF Pen  
<http://www.pdfstore.com/details.asp?ProdID=746> (Free Demo – Pay) – Gemini  
<http://neevia.com/prodDP.htm> (Free Demo – Pay) – docuPrinter Pro  
<http://www.linetype.com/advice/pdfcreation/index.htm> (Free Demo – Pay) - PDF Creation Tools  
<http://fineprint.com> (Free Demo – Pay) – pdf Factory, pdf Factory Pro, Fine Print  
<http://www.bluebeam.com/web03/products/BluebeamLite.asp> (Free Demo - Pay) – Blue Beam LT  
<http://www.alientools.com> (Pay) – PDF Generator

### **PDF Converter:**

<http://www.cs.wisc.edu/~ghost> (Free) Ghostscript, Ghostview and Gsview  
<http://www.print-driver.com/download> (Free Demo – Pay) Universal Document Converter

### **Software Tutorials**

<http://computerarts.co.uk/tutorials/> (Free) – Computer Arts  
<http://www.designertoday.com/tabindex-0/tabid-1/DesktopDefault.aspx> (Free) - Designer Today  
<http://www.photoshoproadmap.com/> (Free) – For Photoshop  
<http://movielibrary.lynda.com/html/modListing.asp> - (Free and Pay) – On-Line Learning Library

### **Latitudes / Longitudes and Aerial Maps:**

<http://www.maporama.com/share/> (Free) Map-O-Rama  
[http://www.aquarius.geomar.de/omc/make\\_map.html](http://www.aquarius.geomar.de/omc/make_map.html) (Free) OMC  
<http://teraserver-usa.com/default.aspx> (Free) – Terra Server  
<http://www.keyhole.com> (Free Demo – Pay) – Key Hole  
<http://www.fourmilab.to/earthview/vplanet.html> (Free) – Earth and Moon Viewer

## SketchUp Tutorials, Tips & Tricks, and Links

<http://worldatlas.com/aatlas/world.htm> (Free) – World Atlas  
<http://www.greenwichmeantime.com> (Free) – Greenwich Mean Time  
<http://www.usgs.gov> (Free) - U.S. Geological Survey  
<http://terraserver.microsoft.com/default.aspx> (Free) – Terra Server – Digital images of world  
<http://www.nationalgeographic.com/maps> (Free) – National Geographic  
<http://www.globexplorer.com/index.html> (Free and Pay) - Globe Explorer  
<http://www.topozone.com/> (Pay) - TopoZone

### **Classical Column Proportions:**

<http://www.stonewear.com/tech/palladio.htm> (Free) Stonewear Columns

### **Screen Savers:**

<http://www.webshots.com/> (Free and Pay) Webshots

### **Art Work:**

[www.postershop.com](http://www.postershop.com) (Pay) Poster Shop  
<http://www.illusionsgallery.com/giftshop.html> (Pay) Illusions Gallery Giftshop  
<http://elfwood.lysator.liu.se/art/gallery1.html> (Free)

### **Fun Stuff:**

[http://www.bcs.mit.edu/people/adelson/checkershadow\\_illusion.html](http://www.bcs.mit.edu/people/adelson/checkershadow_illusion.html) (Free) Shadow Illusion  
<http://www.thetoque.net> (Free) – Satirical Canadian Newspaper  
<http://www.theonion.com> (Free) Satirical U.S. Newspaper  
<http://www.crystalnewmedia.com/gridlock/gridlock.html> (Free) – “Get the car out of the parking lot” type puzzle  
<http://jet.ro/dismount/> (Free) – Control man as he falls down stairs or gets injured in an accident – sounds stupid but is fun  
<http://www.richsalter.btinternet.co.uk/> (Free) – As opposed to clay pigeons you get cat pigeons instead  
<http://sketchup.com/forum/read.php?f=1&i=9787&t=9787> (Free) – Shotgun them Chickens!  
<http://www.ircuser.org/files/penguind.swf> (Free) Hit Penguins with a Snowball – Penguin Darts  
<http://uk.download.yahoo.com/ne/fu/dodge.html> (Free) – Test your reaction time  
<http://www.liquid.se/pong/pong.html> (Free) – 3D Pong  
<http://www.farb-rausch.com/> (Free) – “Demoscenes”  
<http://demoo.calodox.org/> (Free) – More “Demoscenes”  
<http://www.theprodukt.com/kkrieger.html> (Free) - First person Shooter  
[http://www.tomshardware.com/hardnews/20040416\\_131527.html](http://www.tomshardware.com/hardnews/20040416_131527.html) (Free) - Explanation about the above 3 demo's

### **CAD Related:**

<http://www.online-warehouse.co.uk/3darchitect/index.htm> (Free Demo - Pay) 3D Architect  
<http://www.geomcad.com> (Free) GeomCAD  
<http://www.archidigm.com/> (Free and Pay) Archidigm  
<http://space.tin.it/edicola/lwcon/> (Free – but in Italian – still, it has good hatch patterns and drawings)  
<http://www.intellicadms.com/default.asp> (Pay) Intellicad  
<http://www.cadtutor.net> (Free) CAD Tutor  
[http://www.academicssuperstore.com/market/marketdisp.html?PartNo=710137&qk\\_srch=symbols](http://www.academicssuperstore.com/market/marketdisp.html?PartNo=710137&qk_srch=symbols) (Pay) – CAD Symbols  
<http://www.actify.com/v2/index.htm> (Pay) - CAD Viewer

### **Web Music:**

<http://launch.yahoo.com> (Free) Launch Music on Yahoo  
<http://www.boombasticradio.com> (Free) Boombastic Radio  
<http://www.dr.dk/musik/?topbar-stat=true> (Free) – in Danish - dr Musik  
<http://www.wcpe.org> (Free and Pledge) WCPE  
<http://ckua.com> (Free and Pay) CKUA Radio Network  
<http://audio.gockua.com/ckua> (Free and Pay)

### **Bryce 5 Information:**

<http://www.sketch3d.com/forum/read.php?f=1&i=12370&t=12370>  
<http://www.cadtutor.net/dd/bryce/atob/atob.html> – AutoCAD to Bryce

### **Green Architecture:**

<http://www.waterfurnace.com/HeatingCycleAnimation.asp>

<http://www.greenheat.org.uk>  
<http://www.ecobusinesslinks.com/links/cleaneneur.htm>  
<http://www.actionrenewables.org/index.htm>  
[http://www.gosolar.u-net.com/solar\\_water\\_heating\\_panels.htm](http://www.gosolar.u-net.com/solar_water_heating_panels.htm)  
<http://www.thermomax-group.com/SOLAR/english/dealers.htm>  
[http://www.usgbc.org/leed/leed\\_main.asp](http://www.usgbc.org/leed/leed_main.asp)  
<http://www.susdesign.com/design-tools.html>  
<http://www.greenspec.co.uk>  
<http://www.buildinggreen.com/index.cfm>

**Ruby Script:**

<http://www.rubycentral.com> (Free)  
<http://www.ruby-lang.org/en> (Free)  
<http://www.learningruby.com/rubybooks.shtml> (Free)  
<http://phrogz.net/ProgrammingRuby> (Free)  
<http://pine.fm/LearnToProgram> (Free)  
[http://amazone.crai.archi.fr//Ruby/US\\_RUBY\\_Library.htm](http://amazone.crai.archi.fr//Ruby/US_RUBY_Library.htm) (Free)  
<http://poignantguide.net/ruby/index.html> (Free)  
[http://www.burchwoodusa.com/miscpix/ruby/Ruby\\_Download\\_Tutorial.html](http://www.burchwoodusa.com/miscpix/ruby/Ruby_Download_Tutorial.html) (Free)

**Ruby Text Editor:**

<http://www.vim.org> (Free)  
[http://homepage2.nifty.com/sakazuki/rde\\_e.html](http://homepage2.nifty.com/sakazuki/rde_e.html) (Free) – Ruby Development Environment  
[http://homepage2.nifty.com/sakazuki/rde\\_e.html](http://homepage2.nifty.com/sakazuki/rde_e.html) (Free) – Scintilla

**Hardware:**

<http://www.billbuxton.com/InputSources.html> (Free) Directory of Sources for Input Technologies  
<http://www.4allmemory.com/> (Pay) 4 All Memory (RAM)

**Language Translation:**

<http://translation.langenberg.com> (Free)  
<http://taktikanova.hr/eh/eh.asp> (Free)  
[http://www.google.com/language\\_tools?hl=en](http://www.google.com/language_tools?hl=en) (Free)  
<http://www.humanitas-international.org/newstran/more-trans.htm> (Free)  
<http://babelfish.altavista.com/tr> (Free)  
<http://www.translation-guide.com> (Free and Pay)  
<http://www.tranexp.com/win/NeuroTra.htm> (Pay)