



Hardware Requirements:

1. **PC or MAC** with SketchUp **compatible Video Card** (*See Appendix I*)
2. **VERY IMPORTANT:** Scroll-Wheel Plus 2 Button Mouse.
!!! MAC users cannot use a MAC mouse, please purchase required mouse.
3. **SOUND EQUIPMENT:** (*See Appendix II*)
BEST!!! *Either: Head Set with integrated Microphone*
POOR RESULTS: *Or: Computer Speakers and a Microphone (there will be feedback when we speak with one another, almost impossible to work with)*

You may use half the monitor window for your working copy of SketchUp and the other half for our demo window.

NOW! Supported: *Two Monitors. Best viewing is a single session using 2 Monitors, but it is not essential.*

Software Requirements:

1. Google SketchUp™ <http://sketchup.google.com/download.html>
Q: Can I use Google SketchUp™ Free for the class?
A: Advanced 2 is the only class where you must have Google SketchUp™ Pro. You may wish to use the 8 hour free trial download of Google SketchUp™ Pro for that class if you do not own SketchUp currently.

!!! If you intend to take the Advanced classes before using Google SketchUp Pro Free Trial, please ensure that you have at least 4 hours left of your Free Trial Time left from the 8 hours allotted.

CLASS FILES: Upon Registration and Checkout you will be provided with some download files to use for the class. Please create a FOLDER on your DESKTOP entitled: "Class Files". Please download and/or unzip the files directly into that folder. The files are different for each class that you register for so make sure that you place all of the downloads offered for each class into the Class Files folder that you create on your Desktop.

If you should experience any problem with the download, please login to your account and review your orders using the "View/Try" link at the end of the order summary line and your download link will be available to you again.



Appendix II: SketchUp Hardware and software requirements

Like many computer programs, Google SketchUp and Google SketchUp Pro require certain hardware and software specifications in order to install and run. These are basic requirements, though, so you may want to use our recommended suggestions to improve performance. The following list of requirements and recommendations apply to the current version of Google SketchUp and Google SketchUp Pro:

Note: If you have projected textures in a SketchUp model and use a ATI Rage Pro or a Matrox G400 graphics card, the textures may appear incorrect. Disabling hardware acceleration will work around this issue.

Windows XP, Vista, 7

- **Software**

- SketchUp Pro 8: Microsoft Service Pack 2+.
- Microsoft® Internet Explorer 7.0 or higher.
- Google SketchUp Pro requires .NET Framework version 2.0. For more information about the .NET framework, click [here](#).

Note: SketchUp will run on 64bit versions of Windows, but it will run as a 32bit application.

- **Recommended hardware**

- 2+ GHz processor.
- 2+ GB RAM.
- 500 MB of available hard-disk space.
- 3D class Video Card with 512+ MB of memory or higher. Please ensure that the video card driver supports OpenGL version 1.5 or higher and up to date. *
- 3 button, scroll-wheel mouse.
- Some SketchUp features require an active internet connection.

* SketchUp's performance relies heavily the graphics card driver and it's ability to support OpenGL 1.5 or higher. Historically, people have seen problems with Intel based cards with SketchUp. We don't recommend using these graphics cards with SketchUp at this time.

Minimum hardware

- 1 GHz processor.
- 512 MB RAM.
- 300 MB of available hard-disk space.
- 3D class Video Card with 128 MB of memory or higher. Please ensure that the video card driver supports OpenGL version 1.5 or higher and [up to date](#).



Mac OS X 10.5+ and 10.6+

- **Software**

- Mac OS X® 10.7 is not yet supported.
- QuickTime 5.0 and web browser for multimedia tutorials.
- Safari.

Neither Boot Camp nor Parallels are supported environments.

- **Recommended hardware**

- 2.1+ GHz Intel™ processor.
- 2 GB RAM.
- 500 MB of available hard-disk space.
- 3D class Video Card with 512+ MB of memory or higher. Please ensure that the video card driver supports [OpenGL version 1.5](#) or higher and [up to date](#).
- 3 button, scroll-wheel mouse.
- Some SketchUp features require an active internet connection.

- **Minimum hardware**

- 2.1+ GHz Intel™ processor. Power PC is no longer supported
- 1 GB RAM.
- 300 MB of available hard-disk space.
- 3D class Video Card with 128 MB of memory or higher. Please ensure that the video card driver supports [OpenGL version 1.5](#) or higher and [up to date](#).
- **3 button, scroll-wheel NON-MAC mouse.**

Unsupported environments

Mac OS X 10.7 (Lion)

Windows 2000

Mac OS X 10.4 (Tiger)



Appendix II: Partial Listing of Video Card Compatibility

- (Good) - ATI fire gl v3100 128 mb,
- (Problematic) - Intel extreme graphics 2 @96 mb,
- (Problematic) - NVIDIA GEFORCE FX 5200,
- (Problematic) - INTEL 82915G/GV/910GL onboard,
- (Problematic) - DELL-INTEL 945G onboard,
- (Problematic) - Intel 950 Graphics (PCI Express,
- (Problematic) - 128MB ATI Radeon, Intel 82845G, 64 MB,
- (Problematic) - ATI Radeon X600, 256 MB,
- (Won't Work) - NVIDIA GEFORCE2 MX 100/200
- (Won't Work) - NVIDIA GEFORCE2 6200,
- (Won't Work) - NVIDIA MX-400, 32 MB,
- (Problematic) - On-board Intel (Dell GX 280, GX 620) 80845G, 82865G ,
- (Problematic) - 128 MB Radeon X600 SE ,
- (Problematic) - Intel 828656 Graphics Controller,
- (Problematic) - S3Graphic ProSavage DDR 32 Mb,
- (Problematic) - Intel (R) 82945G 224Mb,
- (Problematic) - Intel (R) 82865G 96 Mb,
- (Problematic) - Intel 82915G,
- (Problematic) - Intel 828456-64MB , Intel 82945 G Express Chipset (On Board) 8MB Memory
- (Problematic) - Nvidia Riva TNT2 Model 64 Display Adaptor ,
- (Problematic) - Intel Extreme Graphics,
- (Problematic) - Intel 82845G/GL/GE/PE/GV,
- (Problematic) - NVIDIA Vanta/VantaLT,
- (Problematic) - Intel 82945G Express Chipset, Intel 82945 G Express Chipset (On Board) 8MB Memory
- (Problematic) - NVIDIA GE Force Onboard, 128 MB Shared Video RAM,
- (Good) - (NVIDIA) Gforce FX5700 LE DDR 128 MB AG, and higher
- (Good) - 256 MB NVIDIA 5500 and higher

Appendix III: Sample of Microphones & Headsets

Headsets

<http://www.tigerdirect.ca/applications/SearchTools/item-details.asp?EdpNo=1222391&sku=L23-6550>

<http://www.tigerdirect.ca/applications/SearchTools/item-details.asp?EdpNo=541488&sku=B451-3008>

http://www.bestbuy.ca/catalog/proddetail.asp?logon=&langid=EN&sku_id=0926INGFS10072933&catid=20398

http://www.bestbuy.ca/catalog/proddetail.asp?logon=&langid=EN&sku_id=0926INGFS10061268&catid=20398

Microphones

http://www.bestbuy.ca/catalog/proddetail.asp?logon=&langid=EN&sku_id=0926INGFS10008729&catid=20398

<http://www.tigerdirect.ca/applications/SearchTools/item-details.asp?EdpNo=1128953&CatId=144>

Please Note:

These examples are for information purposes only and should not be considered an endorsement.