

Google SketchUp

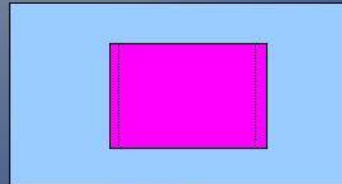
Presentation and Template Available on
Space Coast Woodturners Website
<http://www.spacecoastwoodturners.com>

Why?

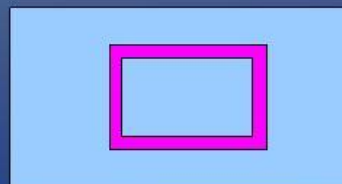
- Application to Woodworking
 - Article (Woodworker's Journal – August 2010)
 - Fine Woodworking Book – SketchUp for Woodworking (ShopClass On Demand: SketchUp for Woodworkers – Part 1: Getting Started, Part 2: Advanced Techniques)
 - Woodworking Models from all Major Magazines
 - Woodturning with SketchUp
 - (www.turnedoutright.com)
 - SketchUp for Woodworkers
 - <http://sketchupforwoodworkers.com/>

Standard Drafting Views

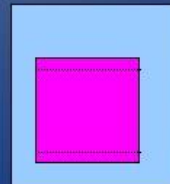
- Typical Views are Front, Top, & Side



Top View



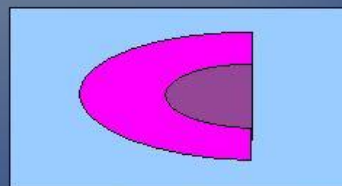
Front View



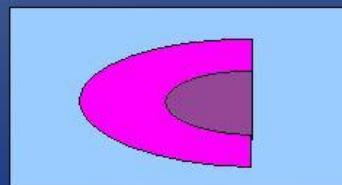
Side View

Typical Lathe Views

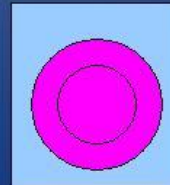
- Lathe Projects
 - Front & Top Views are Usually Identical
 - Upper $\frac{1}{2}$ & Lower $\frac{1}{2}$ Identical
 - Side View is Usually Concentric Circles



Top View



Front View



Side View

Tutorials & Help

- Tutorials

- Google
- <http://forums.sketchucation.com>
- <http://www.smustard.com/>
- <http://www.go-2-school.com/>

- Help

- Forum
 - Google
 - Sketchucation
- Guide

Getting Started

- Download (<http://sketchup.google.com/>)
- Download Template
 - Copy “Woodturning D.skp” from SCWT website to your computer
 - From SketchUp
 - Window
 - Preferences
 - Template
 - Browse
 - Select Woodturning D.skp

Basic Drawing

- Lines
 - Straight
 - Curved
- Eraser
- Squares
- Circles
- Polygons

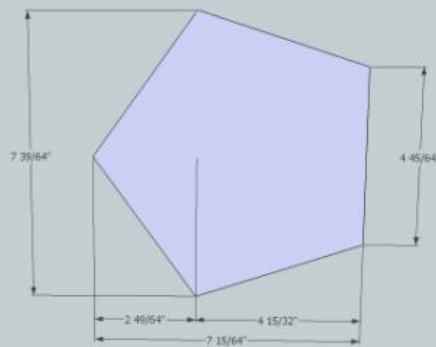
Navigation

- Orbit
- Pan
- Zoom
- Shortcuts

Basic Tools

- Select
- Move/Copy
- Measuring Tape
- Push/Pull
- Follow Me
- Rotate
- Undo
- Dimensions
- Group
- Offset

Dimension & Print



Candlestick Example

- Draw Guidelines (tape measure)
 - Vertical at 0", 6", and 9"
 - Horizontal at 1", 2", and 3" - remember that after extrusion these will double
- Draw Lines for Candlestick
- Extrude and "Make Group"
- Rotate 90°
- Delete Template and Guides

Shortcuts

- Three Button Mouse
 - Pull Down Menus – Right Button
 - Zoom – Middle Wheel
 - Orbit – Depress Middle Wheel
 - Pan – Depress Middle Wheel, then Left Button
- See SketchUp website for Mac options

SketchUp Plugins

- <http://news.sketchucation.com/category/tutorials/>
- <http://www.finewoodworking.com/blog/design-click-build>
- <http://sketchuptips.blogspot.com/>
- <http://forums.sketchucation.com/viewtopic.php?p=144178#p144178>
- <http://www.smustard.com/>