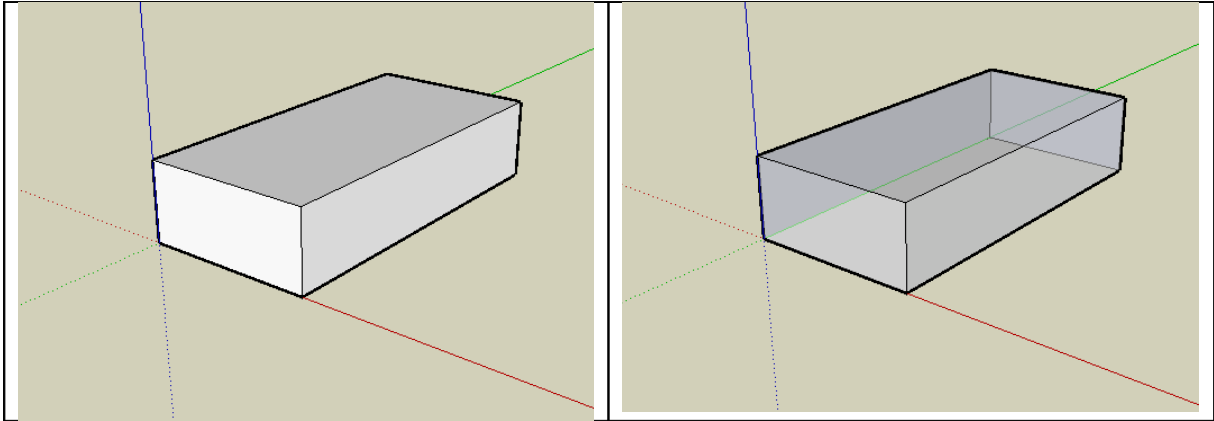


How to Draw a Rectangular Solid




Before we go any further I need to point out that solids don't actually exist in SketchUp. I simply thought that the term Rectangular Solid would paint the proper picture in your mind. In Sketch up what appears to be a rectangular solid is simply six rectangular planes.

Below is an opaque "Rectangular Solid". To the right is the same "Rectangular Solid" shown in X-Ray format.



Here's how to draw a "Rectangular Solid" similar to the one above. (and also make it a component)

You will be using these three SketchUp tools:

Pencil	Push/Pull	Select (Black Arrow)
		

We will begin by drawing a line on the Red Axis

1. Select the Pencil tool by left clicking on it.
2. Left Click at the origin (where the red, blue and green lines meet) and then Left Click again somewhere on the red axis.
 - a. *You have now drawn a line (Click Move Click)*
3. Type any desired width dimension and push enter.
 - a. *You have now defined how long the line is*
 - b. *You will now draw three more lines*
4. Left Click the origin again and then Left Click this time on the green axis.
5. Type any desired depth dimension and push enter.
6. Left Click on the end of the line you drew on the green axis and then move right in a path parallel to the red axis and left click again when your line is the same length as the line on the red axis. *

7. Left Click on the end of the line you drew on the red axis and then move in a path parallel to the green axis and left click again when your line closes the rectangle.
8. Select the Push/Pull tool (by left clicking on it) and then move to your rectangle and depress and hold the left mouse button. Extrude the square upward (holding the left button down) parallel to the blue axis then release the button and left click.
9. Type the desired height of the solid you are drawing and push enter.
10. Select the Select tool (by left clicking on it) and then triple left click on the box you just drew. All edges of the box should turn blue showing that they have been selected
11. Right Click and choose Make Component with a left click.
12. Give the component a name and then Left Click Create

* When you are at the proper position on the red line you should see a faint dotted green line depicting the edge of the rectangle you are attempting to draw. If you don't see a faint dotted green line move your cursor to the end of the line on the red axis for two seconds. (The reason you do this is so SketchUp will learn what you are trying to do.) Now go back to where you were and you should then see the dotted green line.