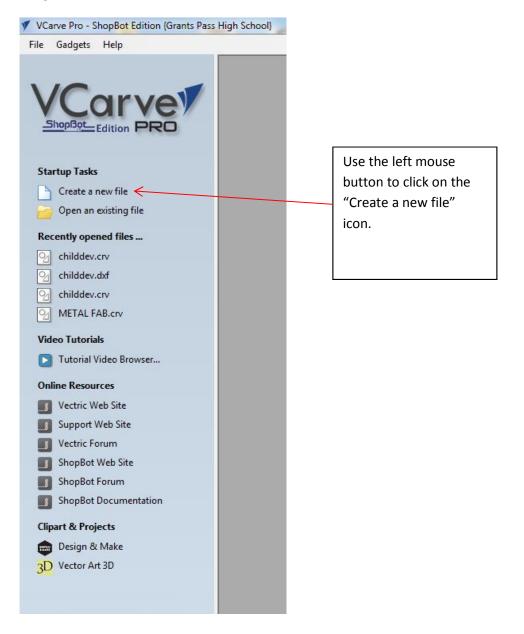
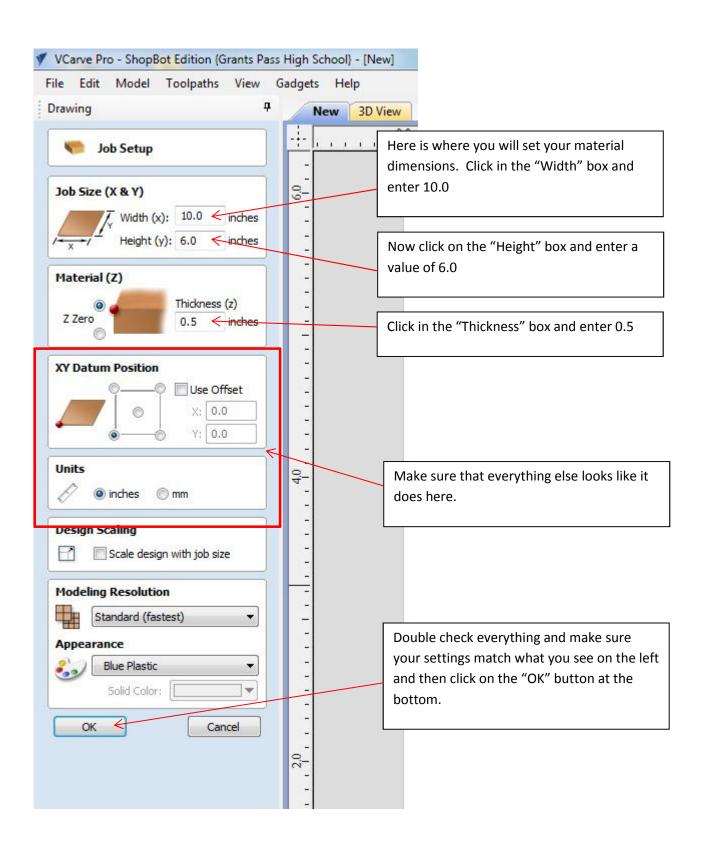
Summer STEM Academy

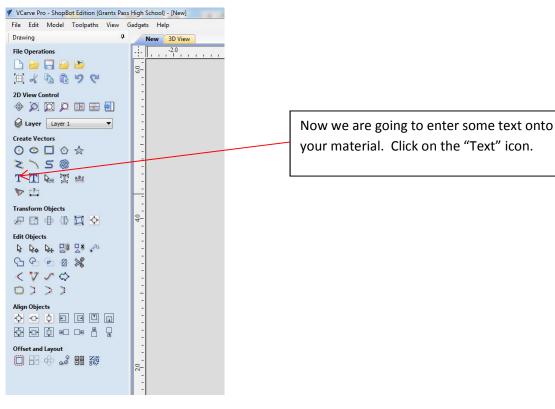
6 X 10 HDPE Sign Instructions

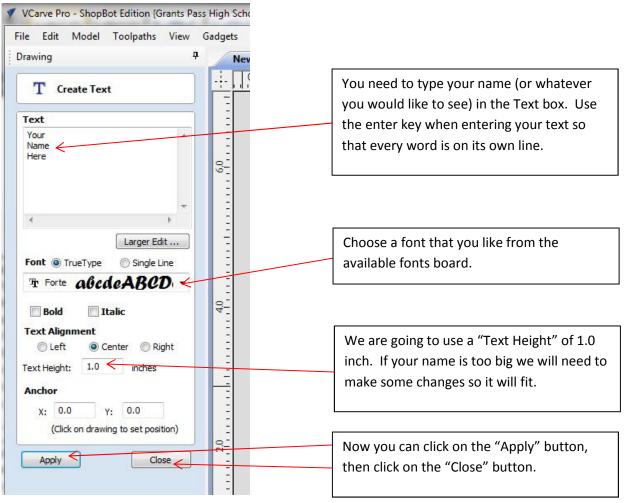
Follow these instructions to draw your personalized sign on the CNC router in the Woodshop / Manufacturing shop.

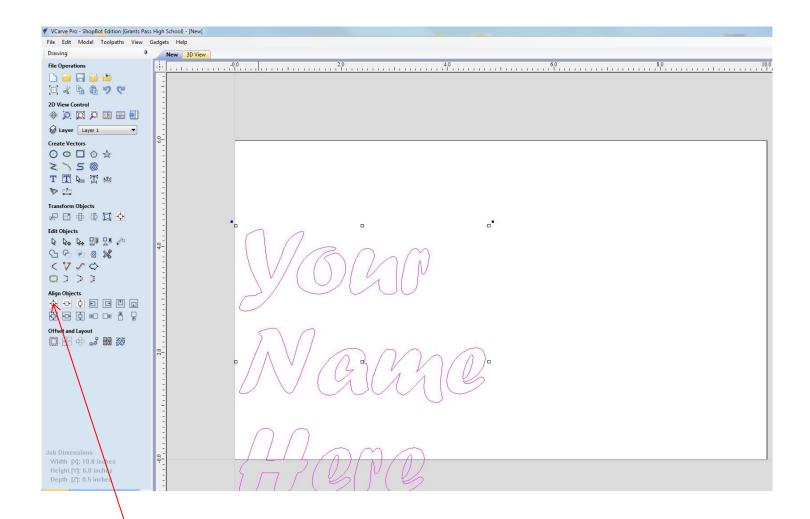
1. Log on to your computer and double click on the "VCarve Pro" icon on the desktop. Your screen should look like the image below.



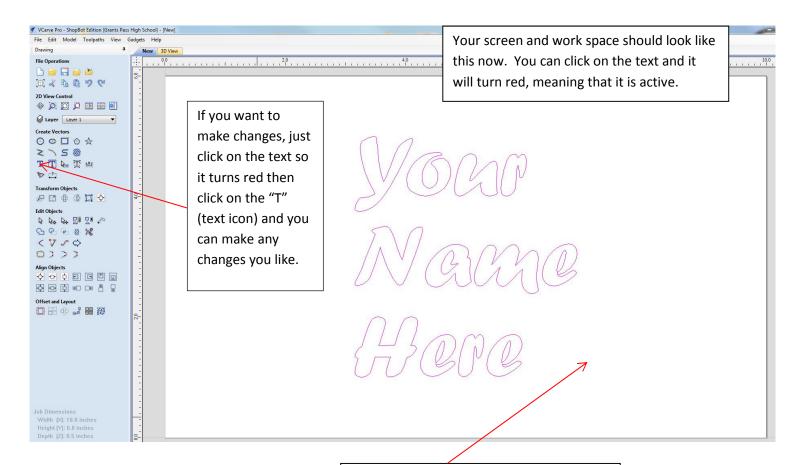




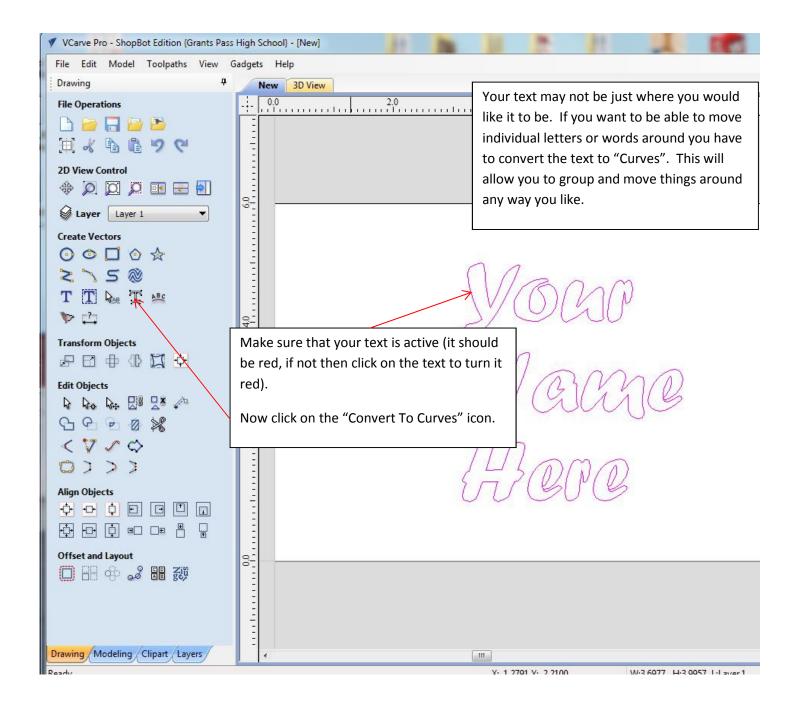


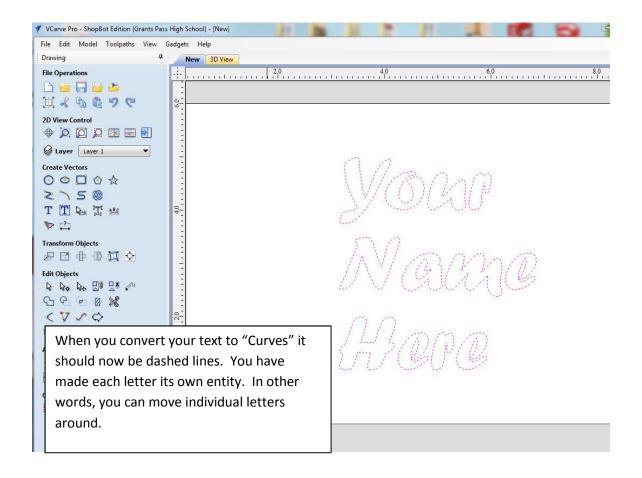


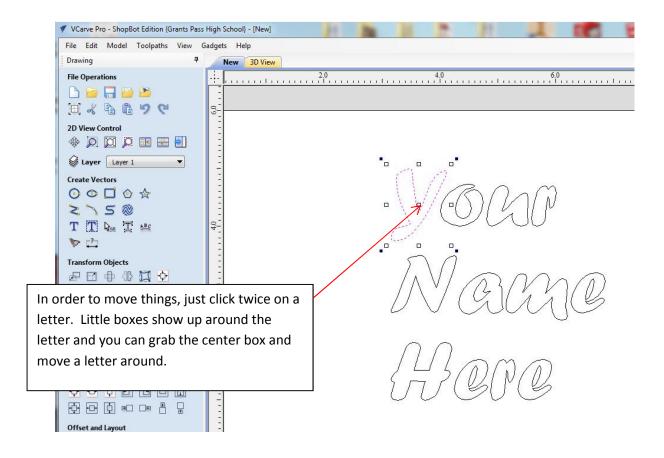
Your text is going to be in a weird place so we need to center it on your material. Click on the "Center on Material" button under "Align Objects" to place your text in the middle of the material.

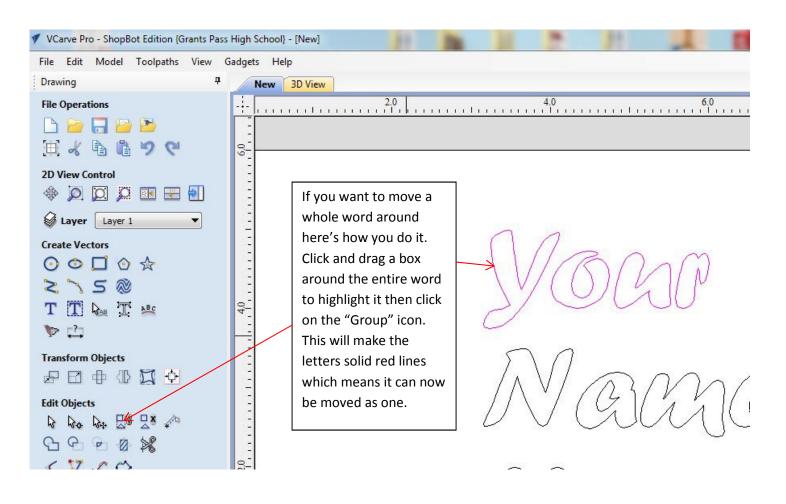


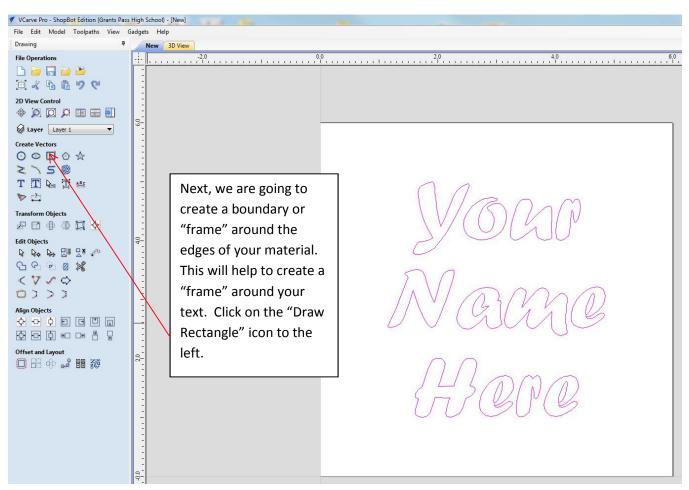
Clicking anywhere on your material outside of the text turns it black and makes it inactive.

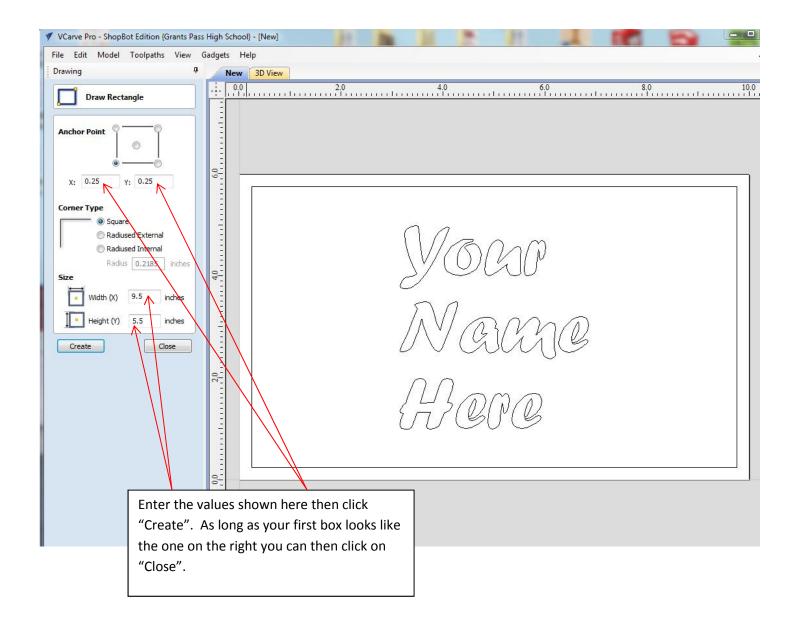


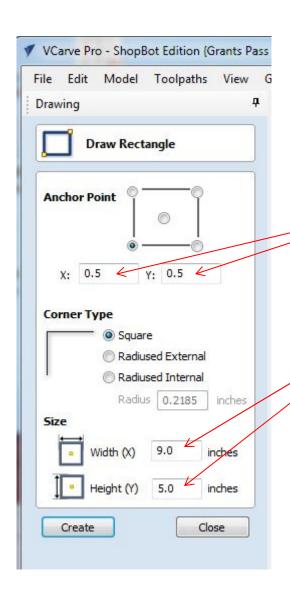




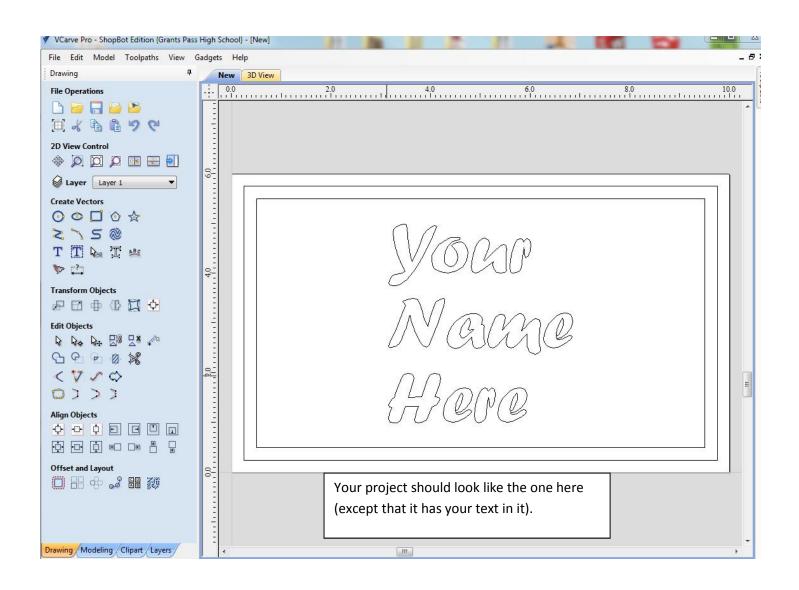


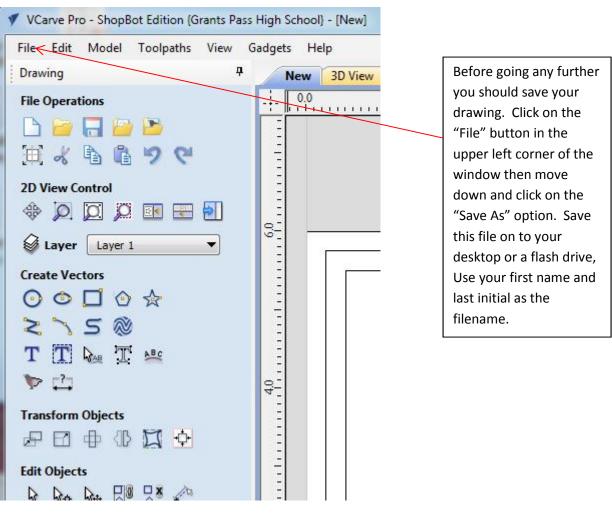


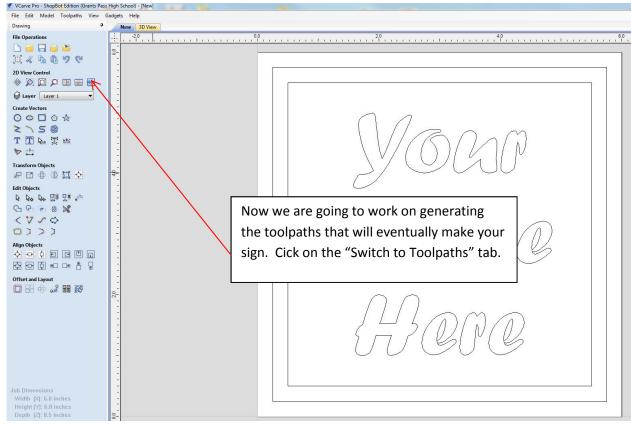


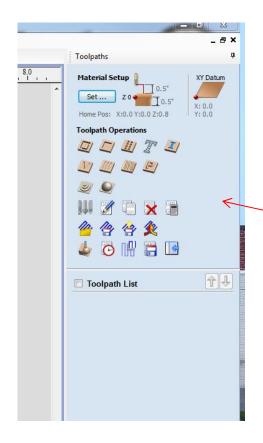


We are going to create a second box that is a quarter of an inch smaller than the first one all the way around. This will define the "frame" that we will be cutting. Enter all of the values shown here then click "Create" then "Close".

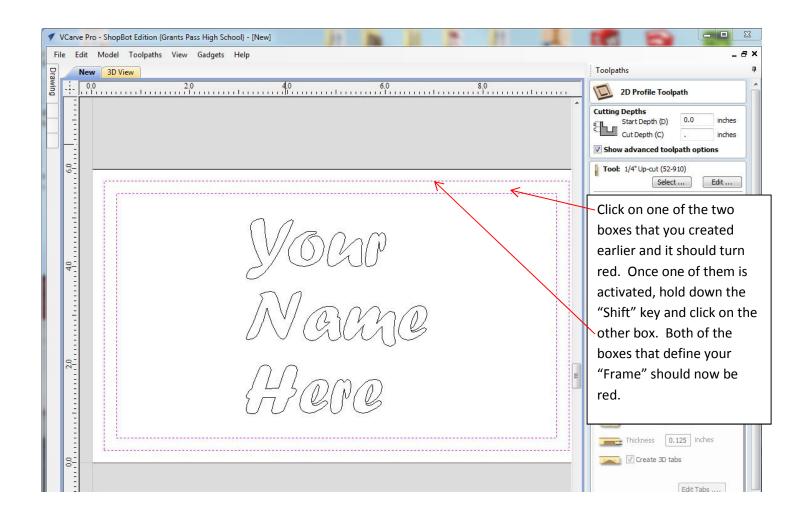


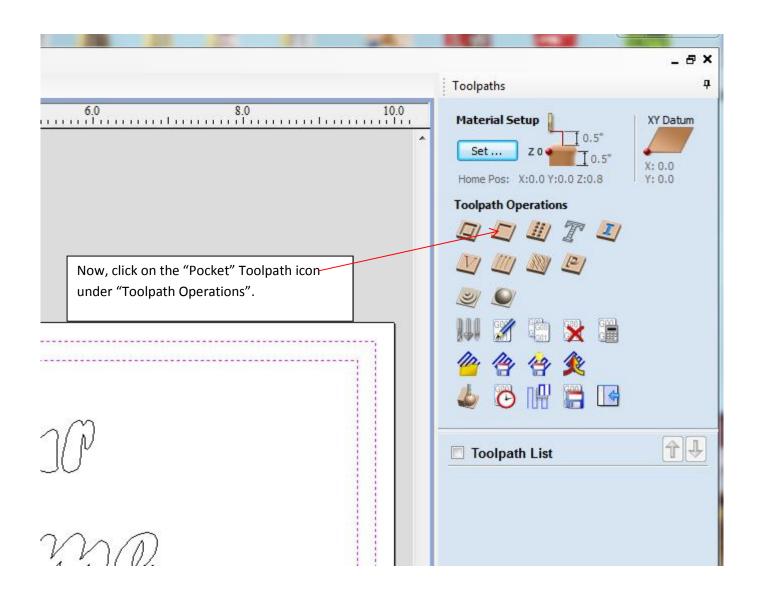


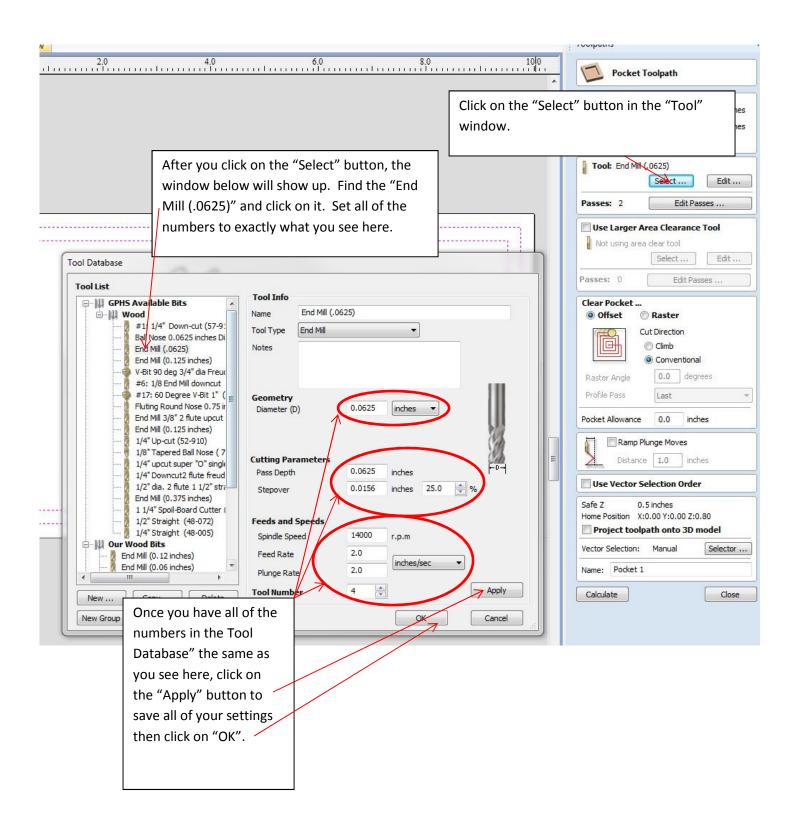


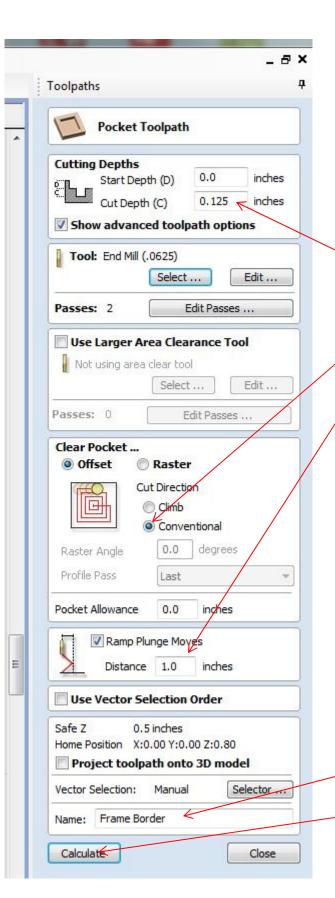


The toolbar that was on the left before has now been replaced with the "Toolpaths" toolbar on the right. This is where we will generate the "G Code" that will instruct the machine just how to go about cutting out your sign.



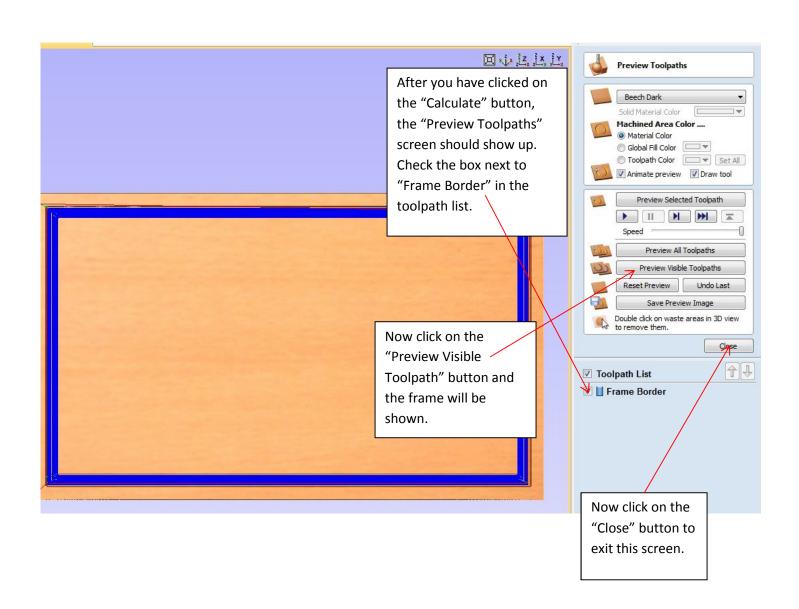


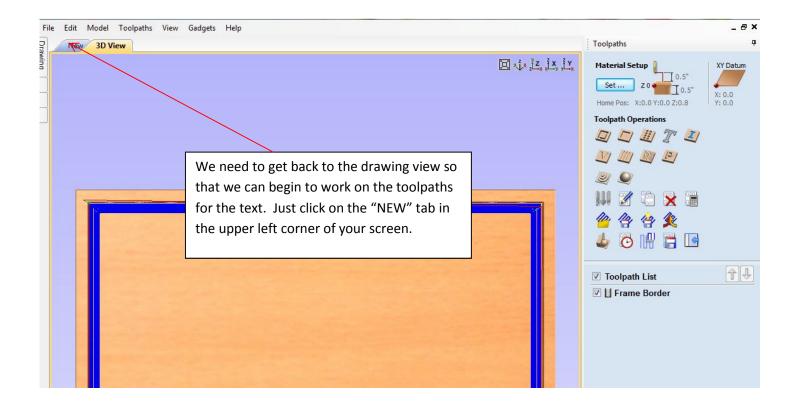


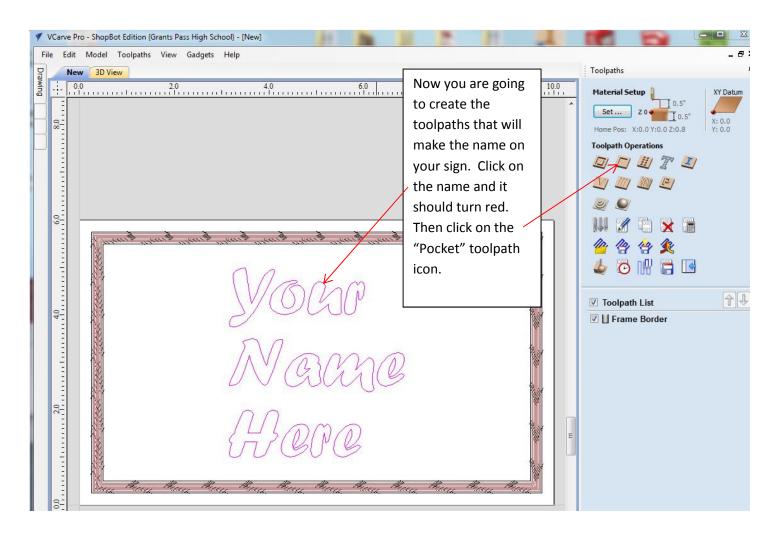


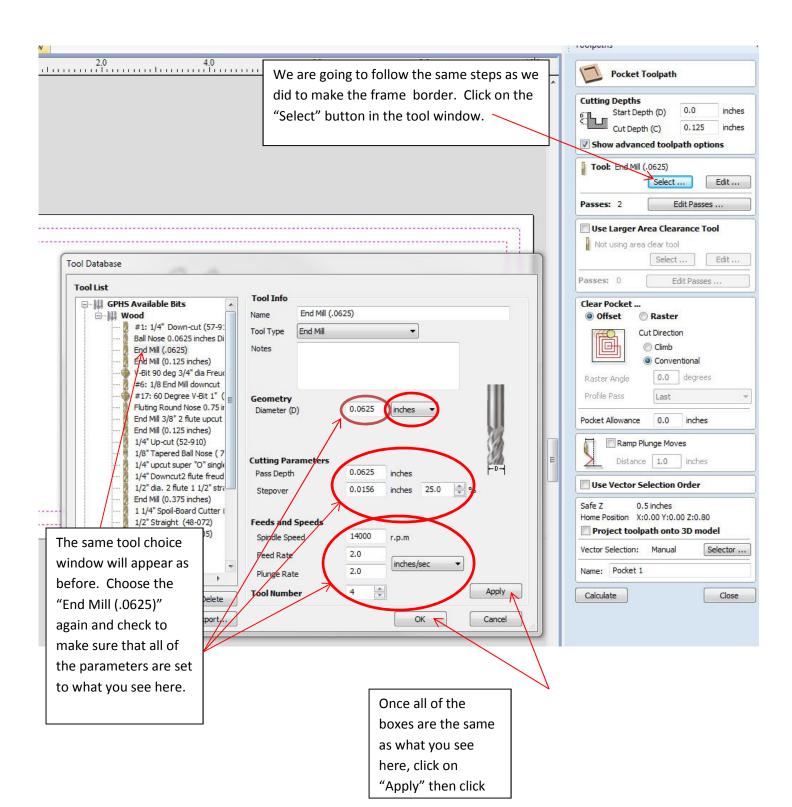
Once you closed the "Tool Database" window, check that the "Pocket Toolpath" window has the same settings as you see here.

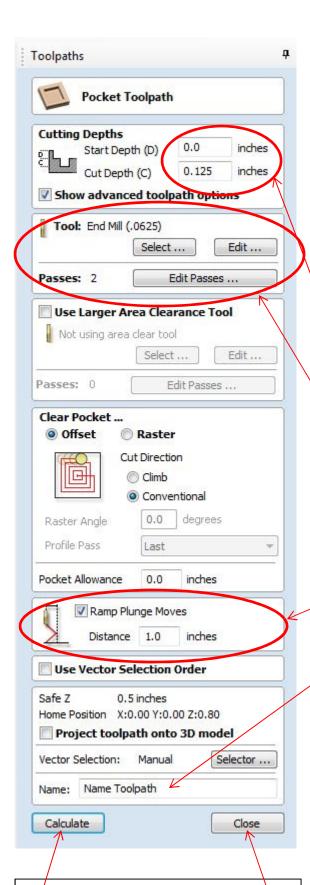
Give the file the name you see here and click on the "Calculate" button.





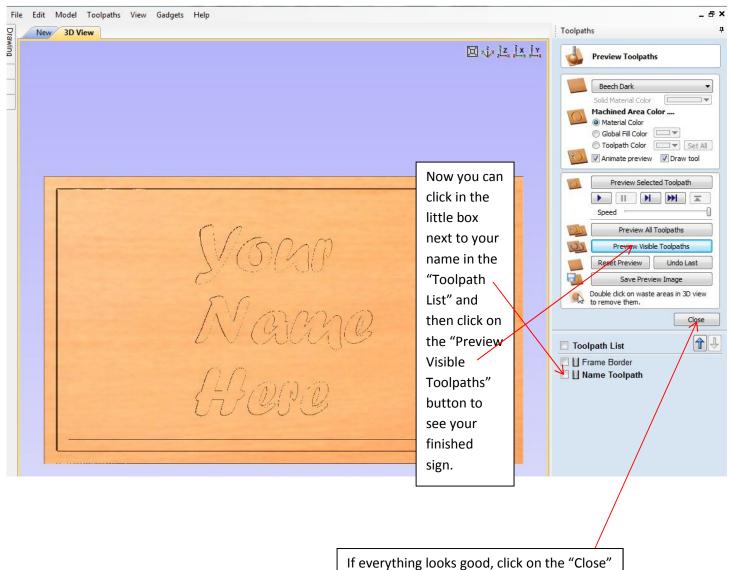






Now you can go ahead and click on the "Calculate" button then click on the "Close" button.

Everything should look the same as it does here. The only thing you need to do is to give the toolpath a name. Give it your own name so we can find it later when we go out into the shop to cut your sign.



If everything looks good, click on the "Close" button to exit out of this window.

We need to save your toolpaths next so make sure the boxes are checked in the "Toolpath List".



Once you have checked the boxes for each toolpath, click on the "Save Toolpath" icon.

You should see the two toolpaths that you are saving in the window. The Frame VCarve and the Name toolpath.

