



VOCABULARY

- Illustrator
- Vector Image
- Raster Image
- Text
- Vector Cut (Outlines)- Red Stroke (RGB): .0001
- Vector Engrave (Outlines)- Blue Stroke (RGB): .0001
- Raster Engrave- Fill or Stroke in any other color

NOTES:

LEARNING THE BASICS (ADOBE ILLUSTRATOR):


Finding Illustrator:



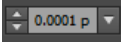

- Go to the start menu
 - Find Adobe Illustrator CC
 - Illustrator
 - Once Illustrator is open go to the bottom of your screen to find the “Task Bar”
 - Right click on the Illustrator Logo
 - And click Pin to Task Bar
- File
 - New
 - PRINT TAB
 - Use the area on the right hand side to create a custom Artboard
 - Make sure you are in inches
 - 2.75 x 1.75 Landscape orientation
 - Make sure you have RGB (color) selected
 - If it is not, use the advanced setting menu
 - Create

WORKSPACE

- Left hand side is the Tool Bar (Where you find the tools to create things)
- Go to Windows (at the top of the page)
 - Control – This adds the options at the top of your page
- White box in the middle is your Artboard
 - This is a piece of paper and the grey space is the desk

TOOLS


- Locate the tool bar
 - Find the Shape Tool 
 - Click and hold down to see “hidden” tools and select the rectangle (Or other shape of your choice)
 - Click once (without dragging) in the middle of your artboard
 - A small window will pop up. Change the dimensions to size of your keychain (max can be 1.75 x 2.75)
 - If you want the corners rounded click on the circles inside corners of the rectangle and drag them inward.

- Back to the tool bar, locate the black arrow (selection tool) 
 - Click on the selection tool and then click on the rectangle you made to make sure it is selected.
- At the top of your screen there are also options for changing the shape
- Locate the color swatches. 
 - The one on the left is for the “fill” of the shape (inside shape color)
 - The one on the right is for the “stroke” of the shape (outline color)
- Select the stroke drop down and click on the red square
- Next to that is the weight: Type in .0001 
- Go back to the Shape Tool (hold down for hidden tools)
 - Select the ellipse tool
 - Draw a circle in the corner or the middle of an edge of your rectangle for the keychain
 - Hold down shift if you want a perfect circle
 - Circle needs to be “.2”
- Back in the tool bar
 - Find the Text Tool (T) 
 - Once selected click in the middle of the rectangle once (do not drag)
 - You can now type initials, a word, your name, ect.
 - Keeping the font selected, go to the top of the screen and see the “font” menu drop down
 - You can now scroll through and find a font that you like
 - You can also add additional shapes to your key chain if you want
 - The text/shapes can be any color besides blue and red but a black or 60% grey work best
 - Once you have finalized your words right click on them

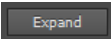


IMPORTANT: 
Don't Forget me!

- Create outlines
- This makes your text into shapes so your font won't change when you move to the laser

- Adding an image – go to Google
 - Search for a simple image (not photo) clipart is a great word to add to your search
 - Black and White
 - Example: sun clipart
 - Once you have found something to add, right click on the image
 - Copy
 - Go back to Illustrator
 - Ctrl + V or Edit – Paste
 - At the top of your screen you will see “Image Trace”
 - Click on the arrow next to it, select black and white
 - This is going to make your Raster into a Vector
 - Use the  to make changes to the trace
 - Click Advanced
 - Check the box – Ignore White

IMPORTANT: 
Don't Forget me!

- Once you have found what it looks like click expand in the top option bar 
- Save your file in Illustrator on your H:Drive

ENGRAVING VS CUTTING OUT

Vector Cut:

- Thin red line at .0001 stroke weight
- Anything with the thin red line will cut out on the laser

Vector Engrave:

- Thin blue line at .0001 stroke weight
- Anything with the thin blue line will engrave a clean line on the laser

Raster Engrave:

- Black/Grey or any other color fill/stroke
- Anything that is basically any color except red or blue will engrave on the laser and only etch into the surface