How to Make a Personalised Lamp Shade using ScanNCut.

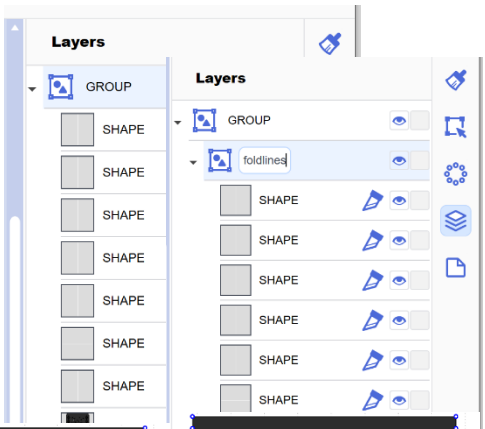
Materials

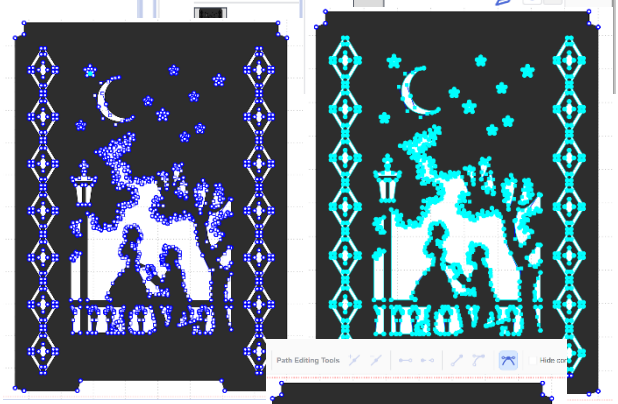
- Cardstock – 1 kind
- Thick tracing paper
- LED table lamp (base with a diameter of 17 cm (6.69") or less)
- Glue or double-sided tape

Caution – as card is flammable, do not use a candle or incandescent bulb, illuminate using an LED candle.

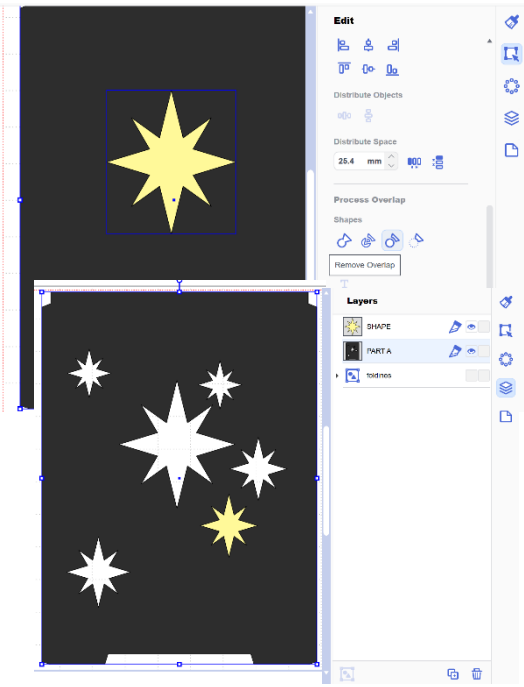
The Anzac Day Lamp Shade pattern was made by taking an existing pattern for a Love Story Lamp Shade and changing the silhouettes. Below are the steps that were taken to convert the pattern.

1. Open the project in CanvasWorkspace (the example used CW for Windows).
2. Download the first pattern shape (00280 A) into CW. Minimise the window which contains the project information and locate the pattern on your workspace.
3. Select the layers pallet on the right of screen. You will see there are several shapes grouped together.
4. We don't want to change any of the fold lines, so the first thing to do, is select all the shapes excluding the dark silhouette which is the bottom layer. Right click and group these items together. If you click into the label of the new group, you can rename it 'foldlines' so you know what this new group is.
5. Click on the small triangle beside this group to collapse the layers, then click on the 'eye' beside 'foldlines', so you can no longer see them.
6. Select the remaining shape and rename it 'PART A' by clicking into the label for this shape.
7. With 'PART A' selected, zoom in on your screen so you can see the centre blue dot on your selection. With the mouse, click on this dot to reveal the paths and points for all the shapes.
8. Using your selection arrow, start in one corner and drag out a shape to cover as many of the cut-out points as you can. It doesn't matter if you miss a few, as you can do this in a few steps if required. You don't want to capture any of the outside points, just the cut-out shapes. The points will change colour as you select them.
9. Then with as many points selected as you can manage, select 'delete points' tool from the path editing tool in the top ribbon. All the points you had selected will disappear and with them, all the shapes these were cutting out. Repeat steps 8 and 9 as many times as you need, until you are left with just the outline shape.
10. This is your blank template from which you can then cut whatever silhouettes you want in order to make your lantern. You do this, by simply drawing or placing a shape over the top of your template and processing the overlap.





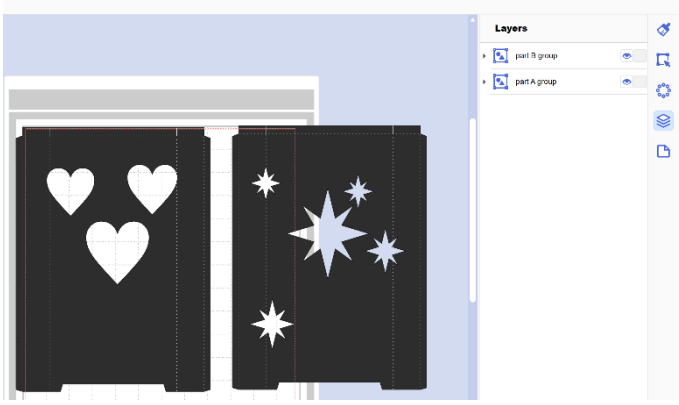
To demonstrate, here is a simple star shape example.



11. Firstly, select the shape, fill it (using the bucket tool in the top ribbon), then place the shape over the top of the template 'PART A'.
12. Then select both objects (by dragging the selection tool across both) and from the EDIT pallet on the right of screen, select process overlap, remove overlap.
13. It will look the same as though nothing has changed, but if you select just the star shape, you will be able to move it sideways and will see it has cut out the shape from the template that was underneath. Repeat step 12 as many times as you want before deleting the shape (go to the layers pallet, select the shape and press delete).

Tips and Tricks.

1. Since 'PART A' and 'PART B' are the same size, you may want to duplicate 'PART A' before you begin cutting shapes. You can do this by selecting 'PART A', then right click with your mouse and choose 'duplicate'. Rename the new template 'PART B'.
2. Note, when you remove the overlap, it is usual for the lower layer to be renamed the same as the top layer. For example, if you have a layer with a star shape, it may be called shape, and the part A would be renamed 'shape' as well when the overlap is removed. For this reason, you may want to rename the shape you are cutting out to match the layer you are cutting it from, or to just do all your renaming after you have cut all the shapes from your parts.
   NOTE: The example just has some basic shapes (stars and hearts), but you can of course cut text or other shapes using the SVG import tool or the JPG tracing tool, or by simply just drawing your own shapes.



3. Duplicate the foldlines group of layers as well, and you can then show both foldlines (click on the eye again) and layer each PART with foldlines on top. You will want to align the foldline group into the right position on each PART before you group the foldlines with the parts. It is good practice to name the groups.
4. While both of these pieces can be saved in your CanvasWorkspace Project, you will not be able to export the FCM files with parts that are not on your mat. For this reason – save your project (CWPRJ) then delete one of your grouped patterns. Export the FCM. Then UNDO the deleting you did of your pattern. Delete the other pattern (the one you have already exported). Export the second pattern. If you have a jumbo mat (24" length) this will not be a problem as you can fit both parts on the mat to Export your FCM.
5. You can use the same process to create templates for the other parts of the lantern project (parts C through E). Part F and G are unchanged as they include no cut outs.
6. Use the instructions from the Love Story Lamp Shade to help you assemble your lamp shade.

Made
by
me