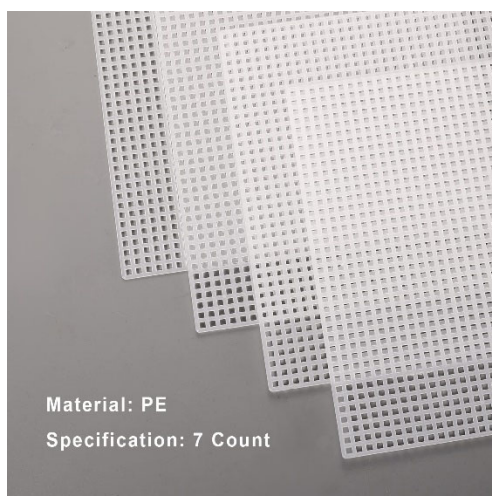


Cross Stitch Pixels – Assignment 1

Cross-stitch is a form of sewing and a popular form of [counted-thread embroidery](#) in which X-shaped stitches (called [cross stitches](#)) in a tiled, [raster-like](#) pattern are used to form a picture. The stitcher counts the threads on a piece of [evenweave](#) fabric (such as [linen](#)) in each direction so that the stitches are of uniform size and appearance. This form of cross-stitch is also called **counted cross-stitch** in order to distinguish it from other forms of cross-stitch.^[1] Sometimes cross-stitch is done on designs printed on the fabric (**stamped cross-stitch**); the stitcher simply stitches over the printed pattern.^[2] Cross-stitch is often executed on easily countable fabric called [aida cloth](#),^[3] whose weave creates a plainly visible grid of squares with holes for the needle at each corner. (Wikipedia)

The intersection of a horizontal and vertical weave can be thought of as a pixel. It's colour can be specified as one of the standard DMC thread colours, and the intersections can be numbered starting at the upper left corner as (0,0). (0,1) as the next intersection in row 0 (IE Column 1), just as pixels are indexed in an image or on the screen.

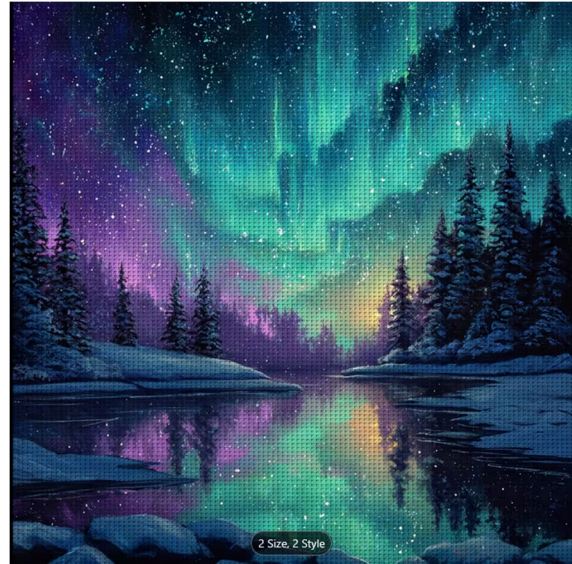


Your job in this assignment is to create an image using cross stitch tools. It can be any image, but you should download an image and not use a predefined kit or pattern if you can avoid it. Take an image, change the size as appropriate. I can provide small plastic canvases for you, or you can get them at Michael's or another store. I have some coloured floss you can use and needles, or again you can use your own.

I suggest that after sizing the image to fit the fabric you mark the pixels with coordinates, figure out how much of each colour you will need and start stitching. A lot of people find this process relaxing, and do it as a hobby.

You can do a simple one or a more complex one. You can use one of your own artworks! What matters is that you exercise your knowledge of pixels, and show me you have done that. You will product a report that shows me the process you used to convert the image into a cross stitch artwork.

- How did you select your image?
- How did you match the colours in the image with the standard DMC floss colours? DMC colours are not given in RGB or computer defined colours systems.
- Show the coordinate system you used.
- Photos of partly completed works with your tools would be useful.

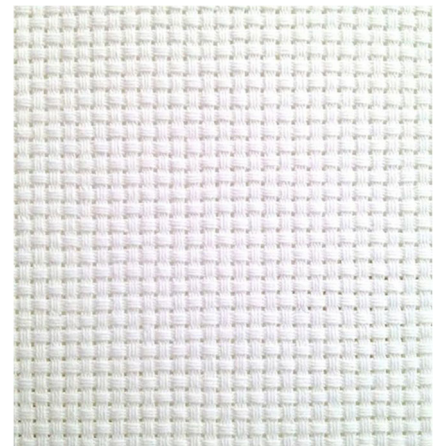


Hand in your 2-4 page report and the final cross-stich work.

Floss:



Fabric



Needles:

