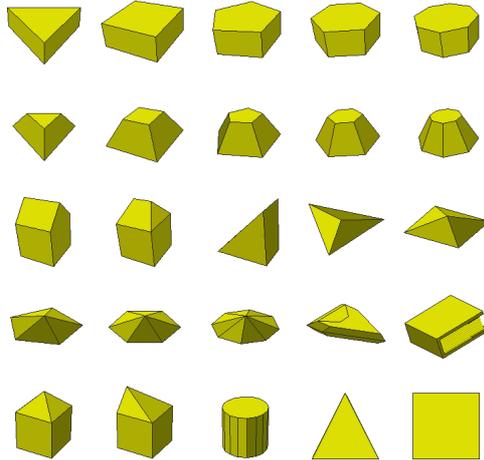# myriaCross editor – lesson 19 : Cross stitching in 3D

What does cross stitching in 3D mean ?

3D means 3 dimensions. Some objects can be made using flat faces ; for instance a dice contains 6 square faces. *myriaCross editor* now allows you to begin new cross stitch patterns containing a template, that is a set of faces you can design on ; once embroidered, such patterns can be used to make objects whose faces are cross stitch patterns.
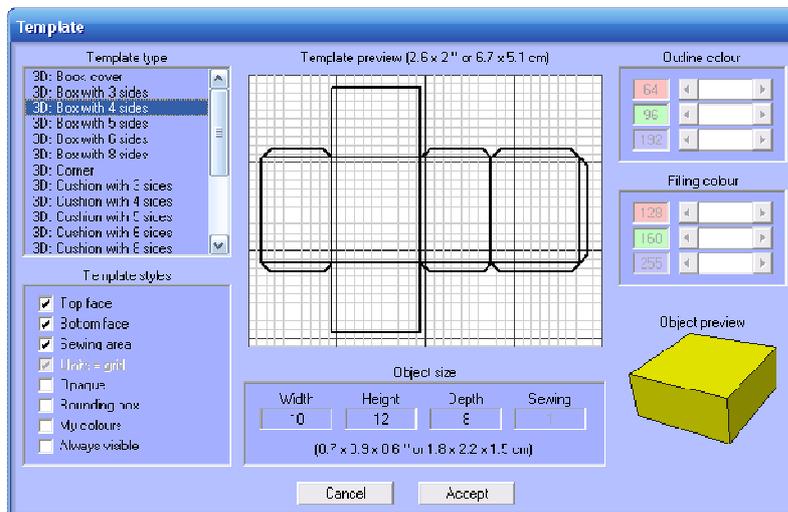
Available templates :

myriaCross editor offers 25 templates :

- Boxes (*)
- Pyramids (*)
- Houses
- Corners
- Cushions (*)
- Cylinders
- Scissors cases
- Book covers
- 2D polygons and rectangles

(*) Base face may be a triangle, a rectangle (or a square), a pentagon, an hexagon or an octagon.

Setting up a template :

Launch **New** dialog from **File** menu or clicking on icon 🗋 then click on **Template** button.

Select a template type in top left list. Set template styles below. Set the size of desired object then press **Accept** button ; a new pattern will be created with this template.

Template styles :

Top face : display or hide it
Bottom face : display/hide it
Sewing area : display/hide it
Opaque : check this option to fill the template.
Bounding box : display/hide it
My colours : check this option to allow you to set outline and filling colours and use them; uncheck this option to let the program choose colours according to the fabric colour.

Always visible : check this option so that the template outline always appears above all.

Object size :

You cannot yet unchek option *Units = grid*, thus, the object width, height and depth are expressed in grid units. You cannot yet set the sewing area size.

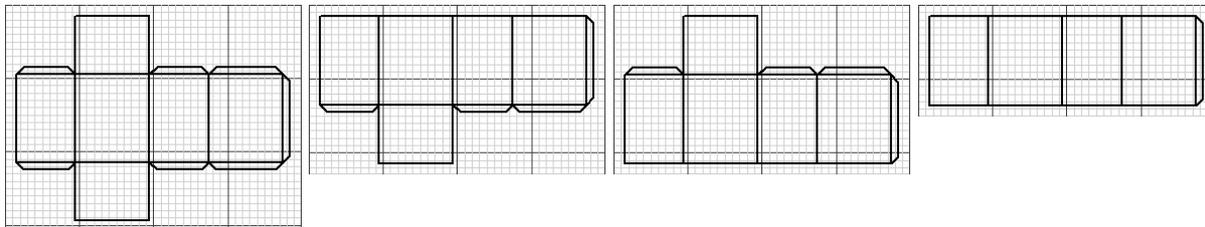The actual object size displays below in both inches and centimeters.

Colours :

Enter the level of red, green and blue for both outline and filling colours or use the sliders.

The template preview will instantly reflect your changes.

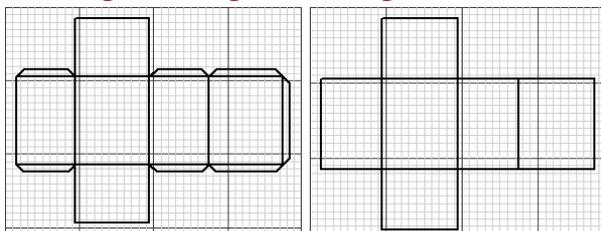# myriaCross editor – lesson 19 : Cross stitching in 3D

Editing a template :

Launch *Pattern properties* dialog from *Edit* menu or clicking on icon [icon] then click on *Template* button. You cannot change the template type and size ; only the template styles can be changed.
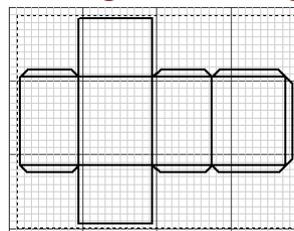
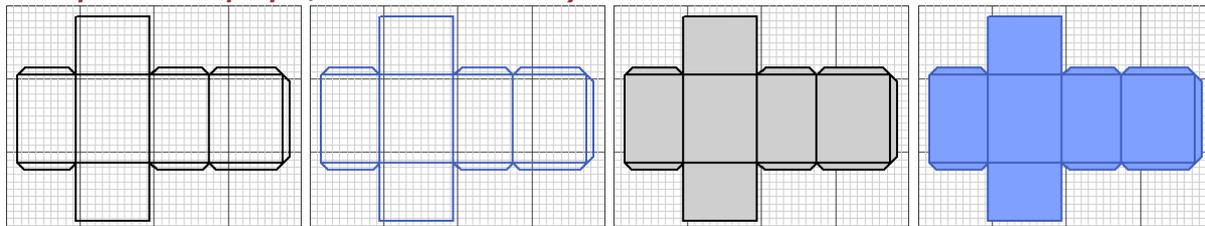### *Showing or hiding top and bottom faces :*
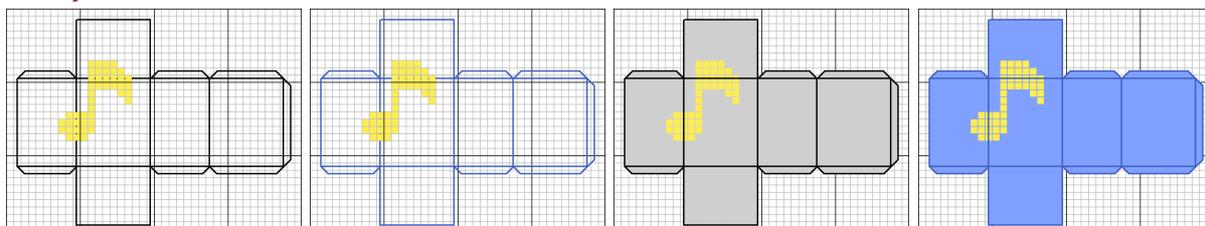
Showing or hiding the sewing area :

Showing the bounding box :

Transparent or opaque, with or without my colours :
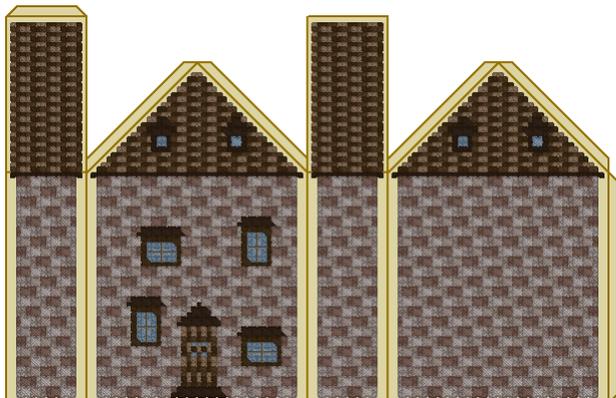
Always visible :

Creating a cross stitch object :

▪ Start a new pattern and setup a template.
▪ Design above this template.
▪ Embroider your design.

▪ Print your design at actual scale.
▪ Glue this printout on a cardboard sheet, cut around the template outline.
▪ Assemble this cardboard template to get a hard object.

▪ Use this cardboard object as a guide to cut your embroidery.
▪ Wrap up the cardboard object with your embroidery.
▪ Sew faces together.

You should know get a beautiful cross stitch object.

myriaCross editor – lesson 19 : Cross stitching in 3D

Sample cross stitch object design :

This design is based upon WinStitch sample pattern **WinStitch 2010.chart** created by *Jeff Tullin*.

It uses a *House style 1* template.
Bottom face is hidden
Width = 22, height = 23, depth = 8

Actual object size should be 1.6 x 2.4 x 0.6 inches (4 x 6.2 x 1.5 cm), quite tiny.

Download this sample pattern file here :
www.myriacross.com/Free_Pattern_May2014.mcpat

2D templates :

Version 1.58 introduces 2D templates. The *2D Polygons* template allows you to create a triangle, a diamond, a pentagon, an hexagon up to a circle depending on the count of defining points. Obviously, the *2D Rectangle* template allows you to create a rectangle.

Remarks :

▪ If templates were aligned with the grid lines, you could not create crosses touching the outline since the cutting process would destroy them ; there would be one lost full cross all around the outline ; to avoid this problem, templates are aligned with the grid squares, there is only one lost quarter stitch all around the outline.

▪ Creating cross stitch objects with your designs can be a hard work ; we are thinking about ways to make it easier ; your suggestions are welcome.

▪ Next versions will contain more and more templates ; a future version may also contain a preview of stitched objects.