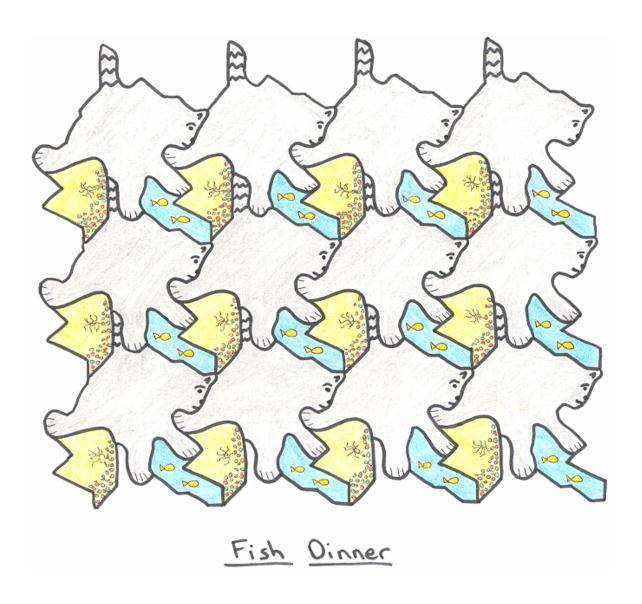
Tessellations

Math 3403 - Section 1

Scanned copies of some of the tessellations projects created by students in Math 3403 (Geometric Structures – Section 1) are reproduced in this document. Please enjoy!

Jennifer Sanders



Type TTTT

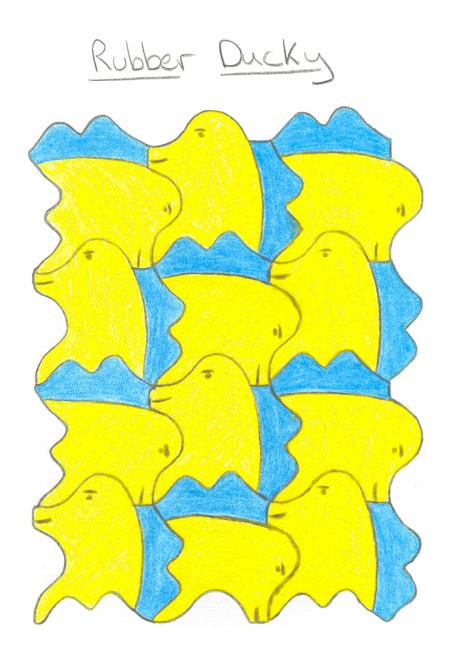
Fish Dinner

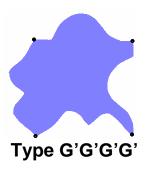


Heesch type = TTTT

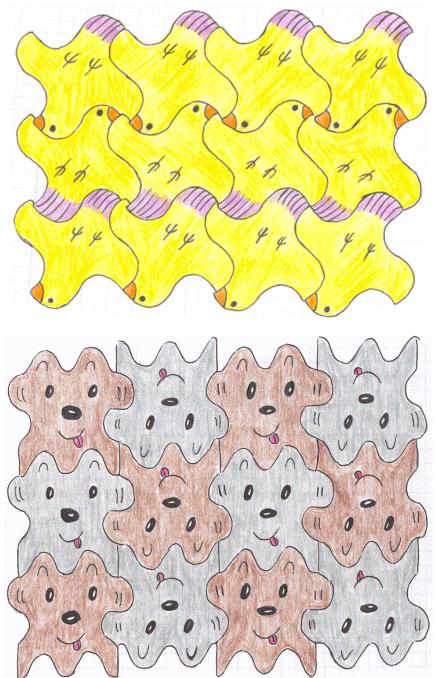
In order to make this design, I simply began
to cut random designs out of one side. I transferred
this shape directly across to the opposite side and
taped it on. I did the same to the other
two sides. On a piece of paper, I began to trace
the light and bit it together for each copy
of the prototile. Once I had drawn many of the
prototile figures, I began to look at the design to
see if I would picture any figures or scene in
the lines design. For two prototile, I visualized
a cot who has tipped over (and broken) a fishbowl.
The cot is pounding on the spilled water and
the two spilled bish!!

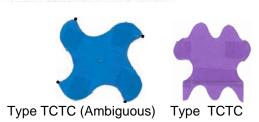
Jennifer Sanders



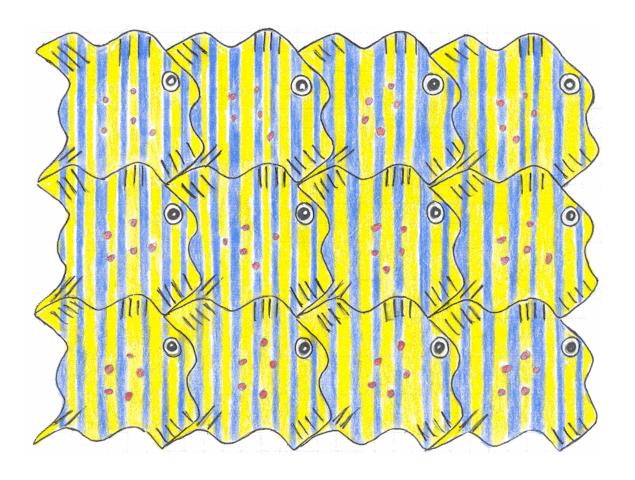


Mei-Chen Chou





Mei-Chen Chau

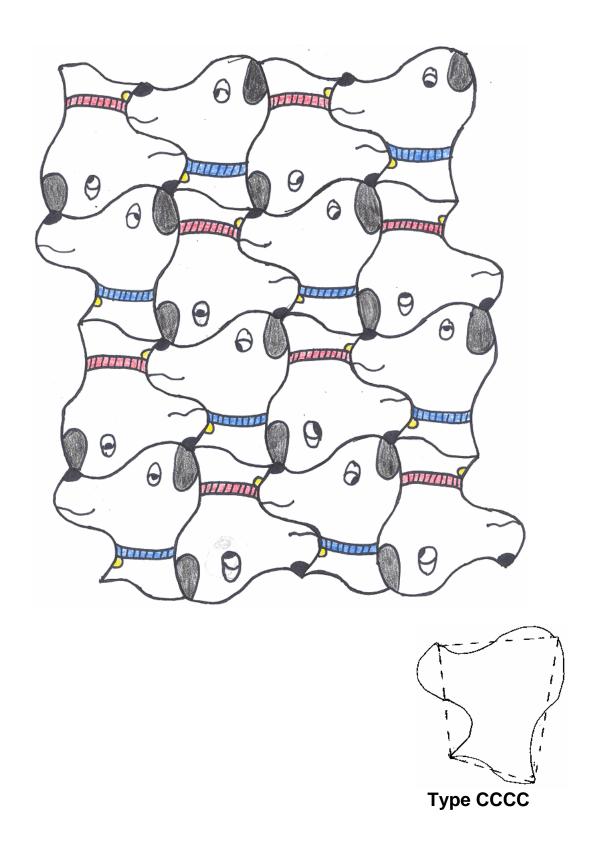




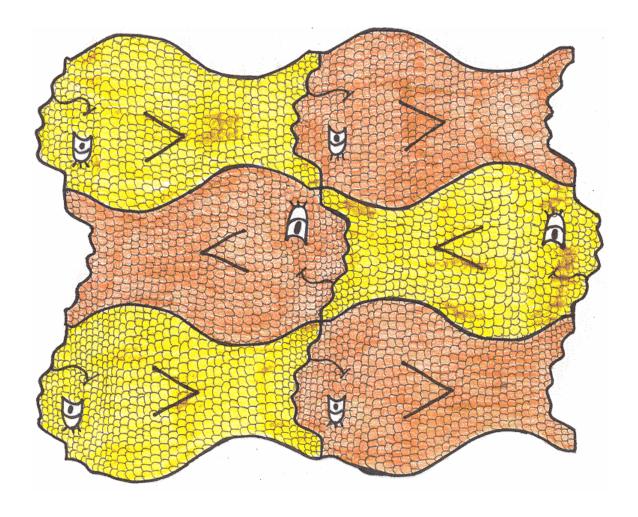
Donna Lancaster



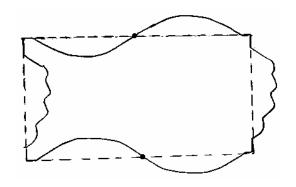
Julaina Utley (with the help of her daughter)



Juliana Utley (with help from her daughter)



Type TCTC



TCTC Fish

Instructions:

1) I first decided to use a rectangle as the basic shape to develop my prototile.

2) Next, I found the midpoints of the two long sides. these were to be the points of rotation.

3) I then cut out a half ellipse shape I

4) This shape was then rotated around the midpoint.

5) Repeat on apposite side.

6) Then I cut out a shape from the bottomy to the top.

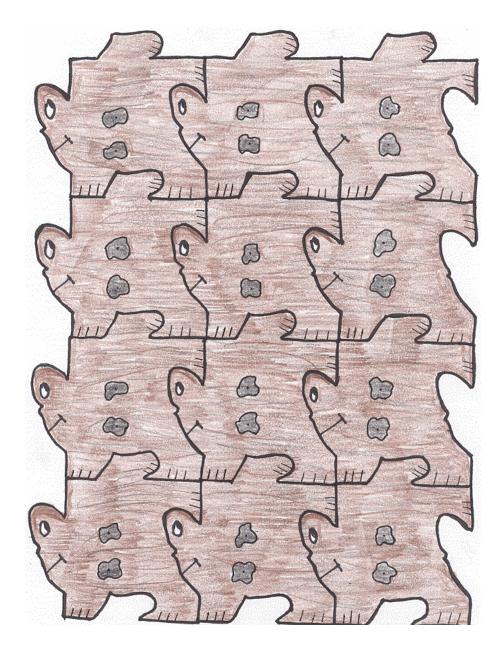
7) I studied the shape and at first saw an icecream soda, but had trouble colorins protofile to look right. I then decided it looked like afish.

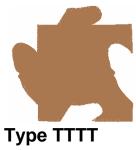
8) I took the basic rectangle and created a dot grid on white paper to use as a quide to tesselate.

9) Next, I took the prototile and topied it on the grid.

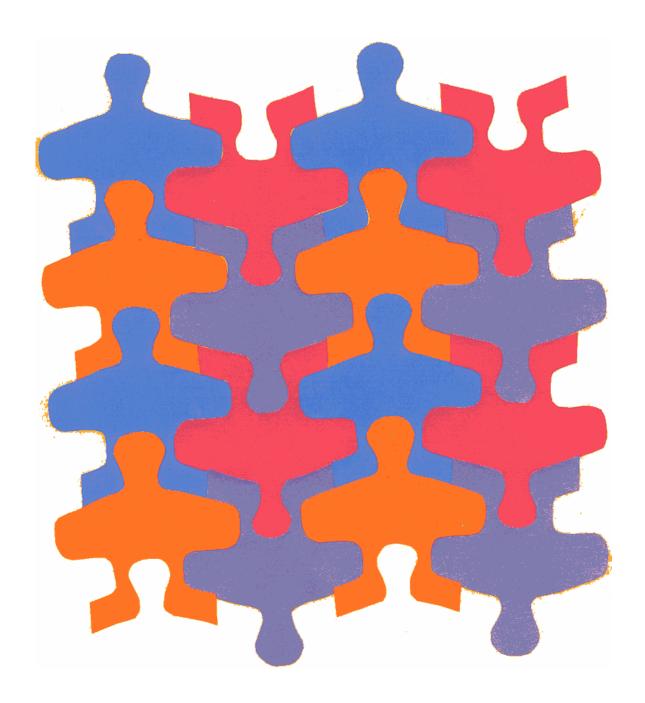
10) Lastly, my daughter colored the tesselations to make it look like the fish I saw.

Juliana Utley (with help from her daughter)



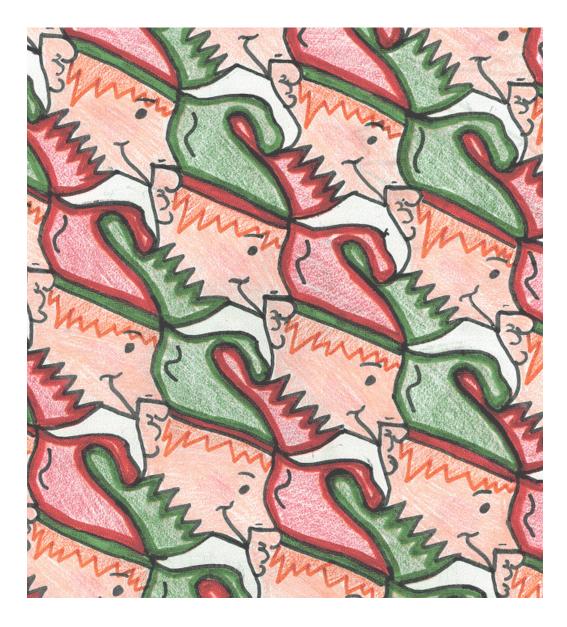


Angela Anderson



Type TCTC

Dana Eskridge





Type TTTT

Dana Eskridge

