Project: Ice Castle for Niece's Birthday

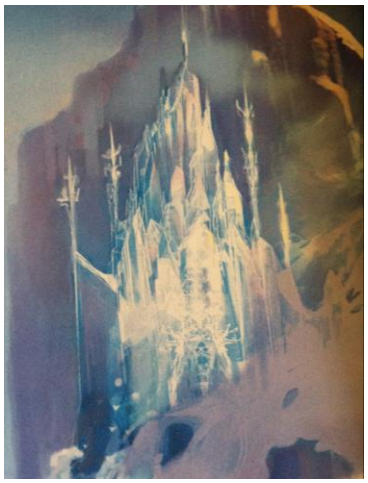
Two parts:

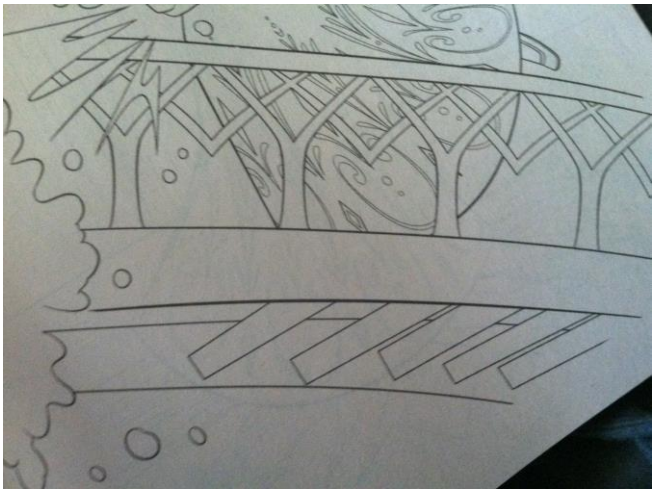
1. A small mechanized castle to spin on cake
2. A large cut out for decoration

(Dear Mouse, please don't sue me – was for a one day event, and zero money was made.)

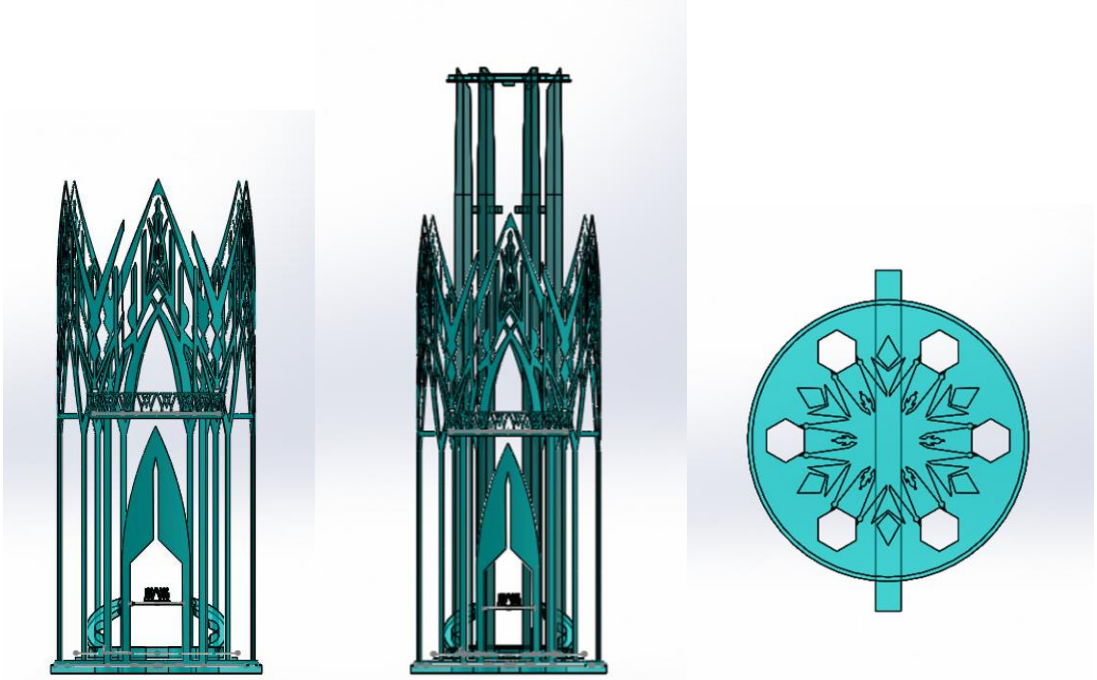
Part 1:

Reference Material: **Images from a children's book and a coloring book**

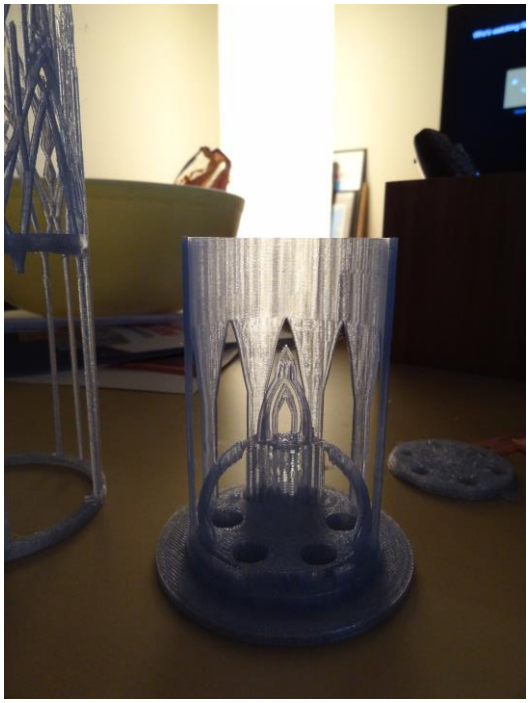




Design: **Used SolidWorks to create small cake topper with a similar motif to coloring book.**

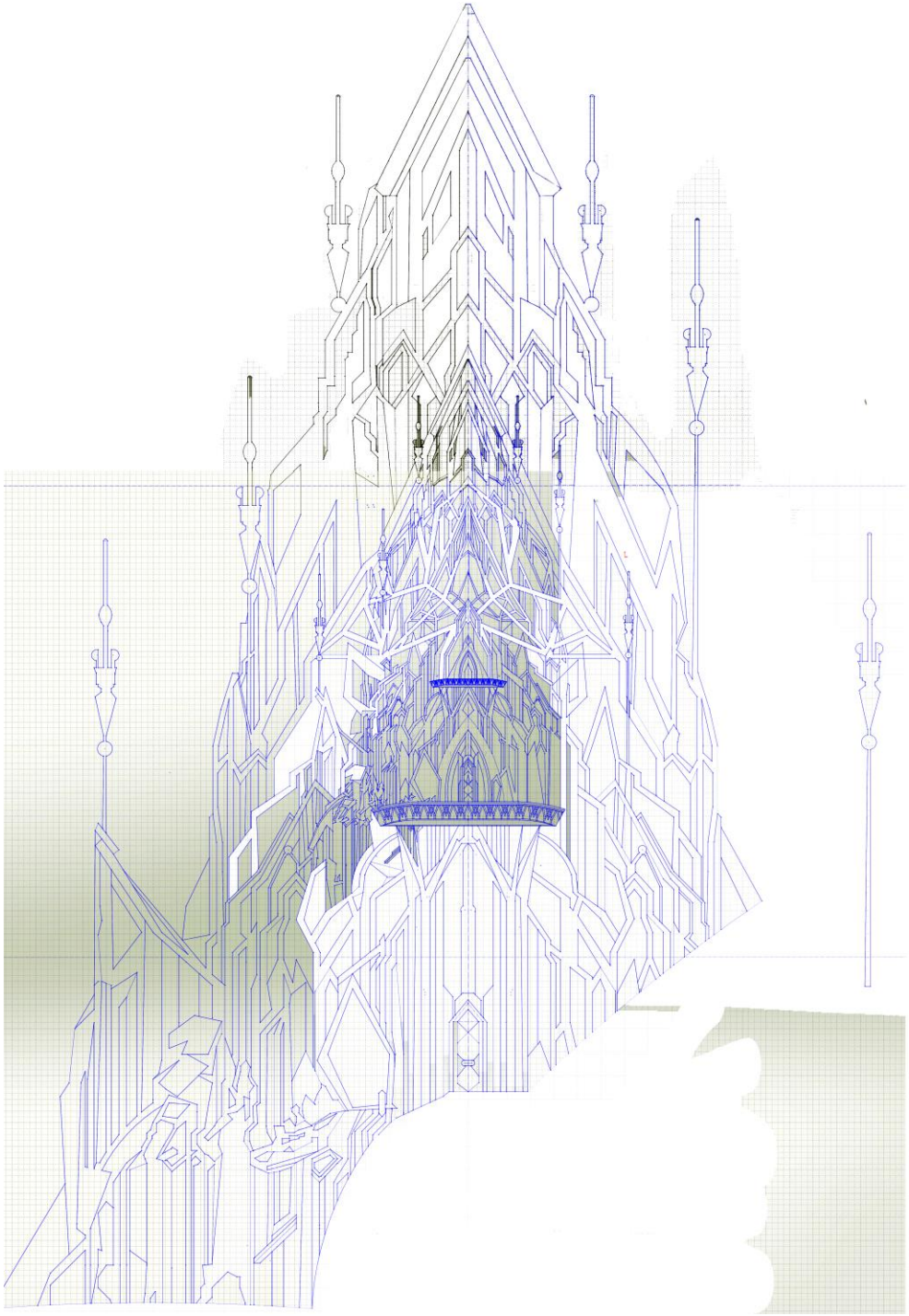


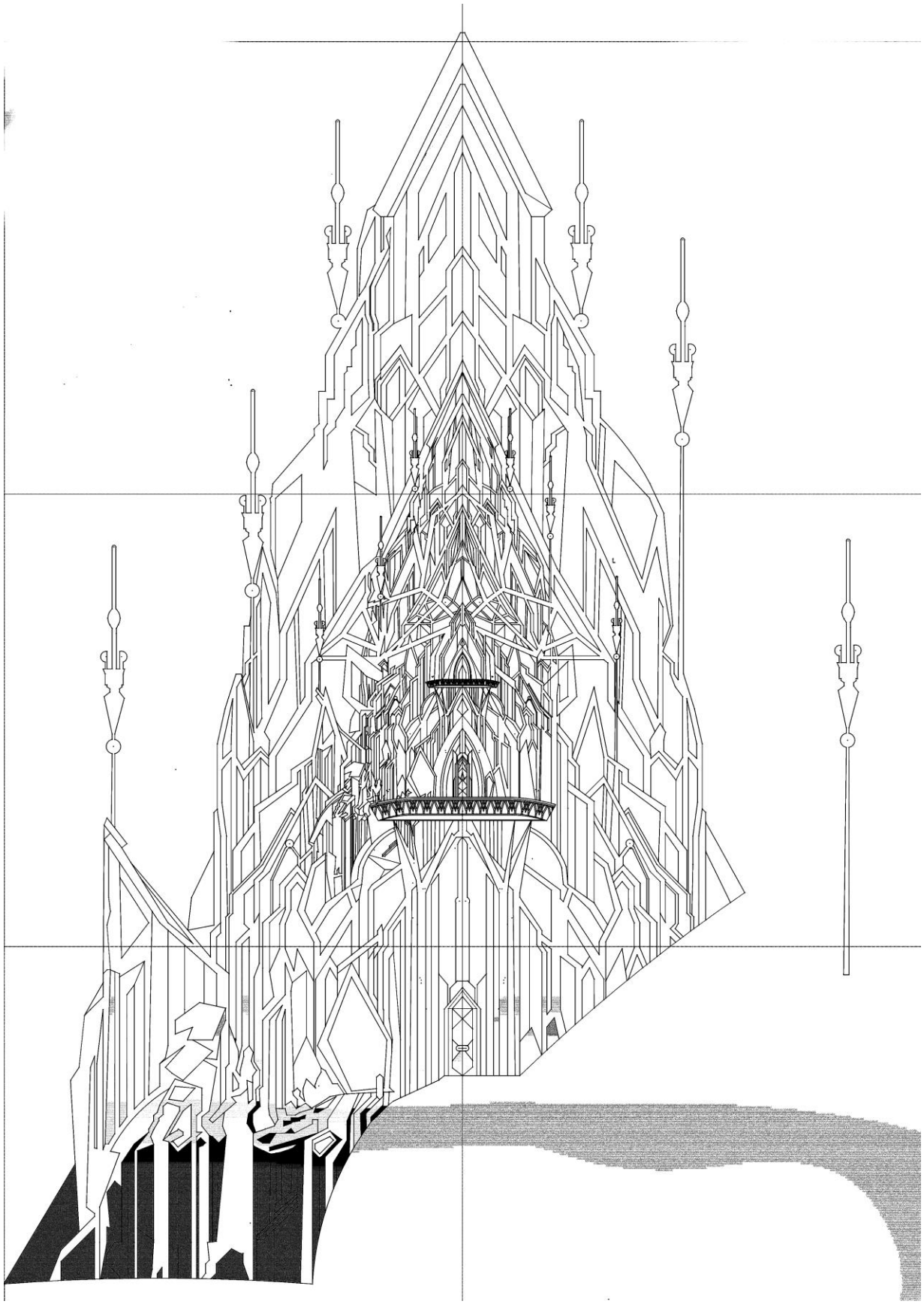
End Result: **3D Printed with translucent, ice blue PLA filament.**

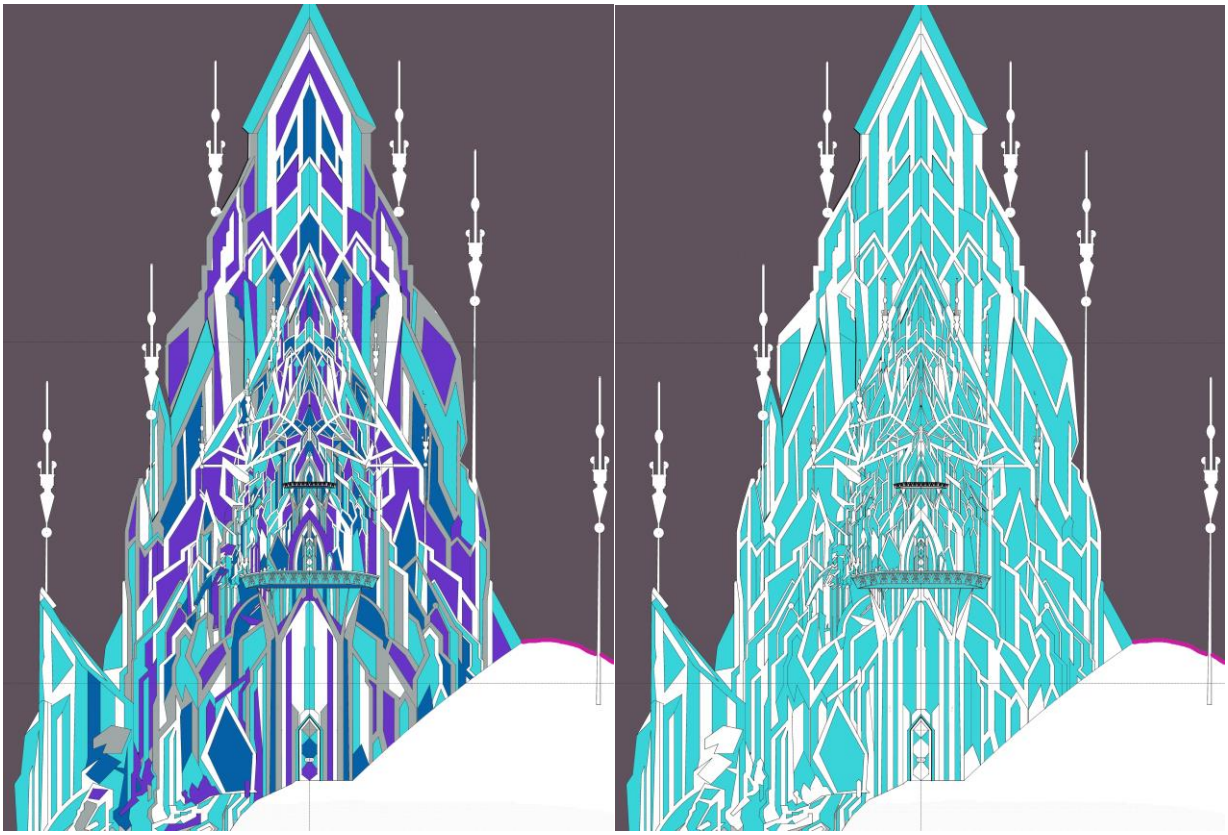
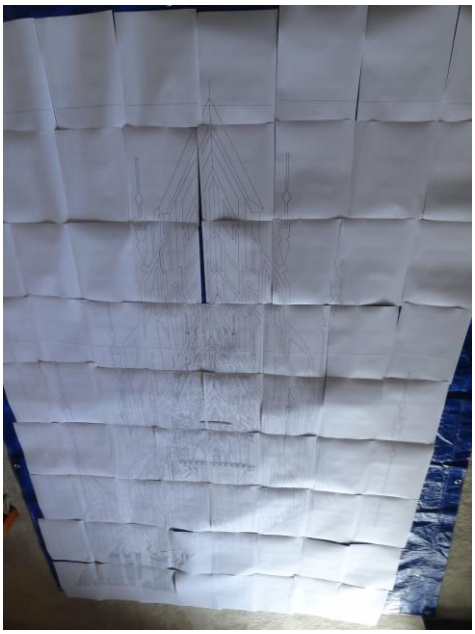
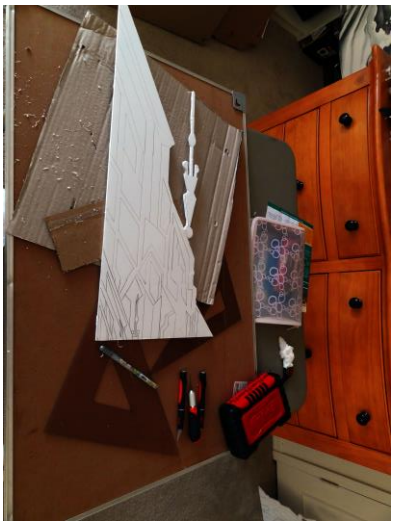
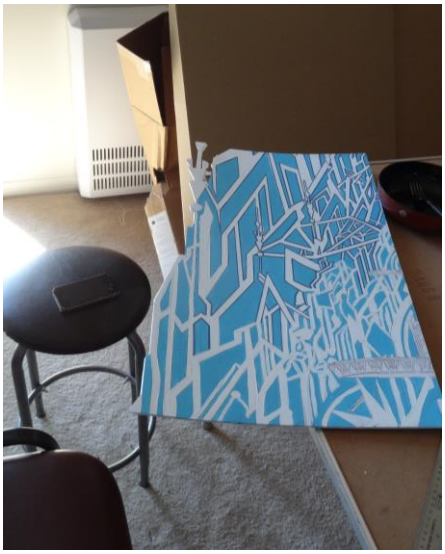
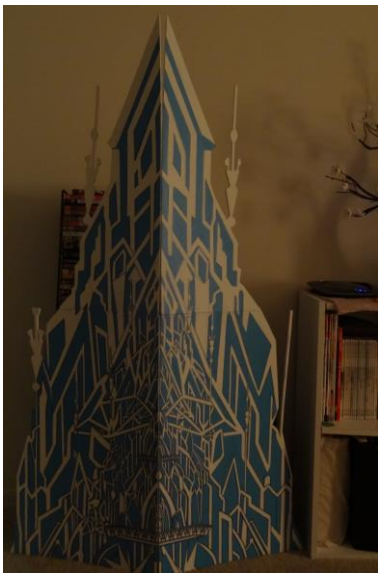


Part 2:

Design: **Used SolidWorks and PhotoShop to draw out a more detailed version of the ice castle. Added color schemes to help decide paint combination. (Chose teal and white.)**







End Result: **Rastered image into an 8x9 grid (8 pieces of 8.5x11” paper, by 9 pieces of 8.5x11” paper). Printed all pieces of copy paper, and arranged them into the grid. Used carbon paper to transfer the lines by hand to foam boards. Cut the foam boards to form, assembled and painted.**