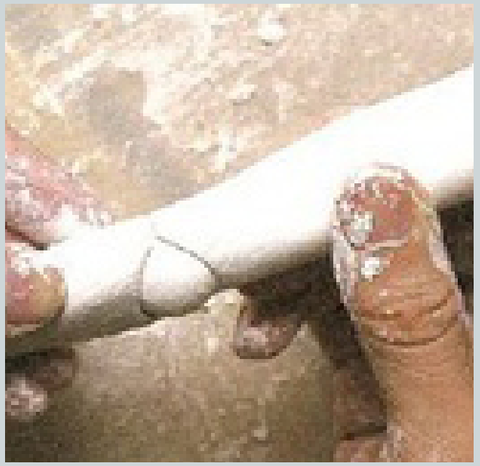
WOOD TOY

1

Ball-Jointed Doll Machine Research

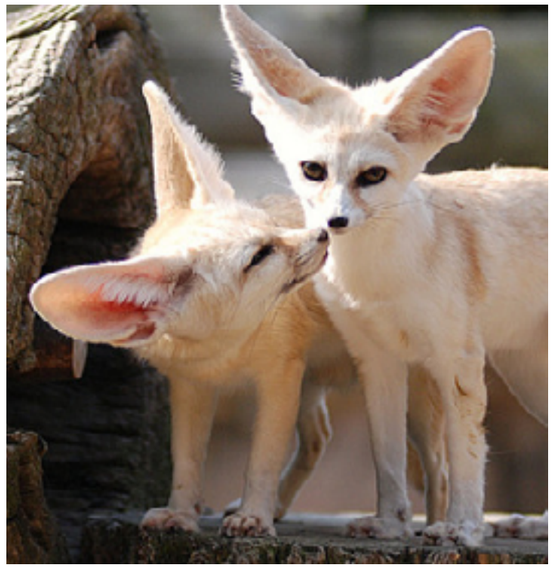
1) I was inspired by the ball-jointed doll, which is articulated with ball and socket joints. These are cast in polyurethane synthetic resin, a hard, dense plastic, and the parts strung together with a thick elastic. They are predominantly produced in Japan, South Korea and China. The ball-jointed doll style has been described as both realistic and influenced by anime.



2) The animal I chose is Fennec Fox Choose. To set the ball joints appropriately, I did research on its form and behavioural patterns.

3 Ideation & Hand-Drawn Concept

2 Form & Behavioural Patterns Research

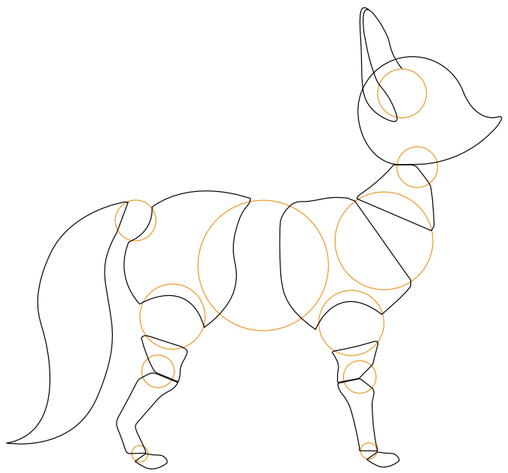


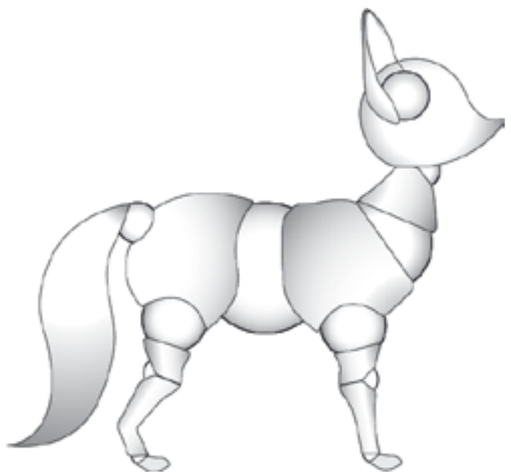
3) Combine the gathered understanding about the ball-joint and Fennec Fox, I did some toy sketches to demonstrate movement, scale, etc.

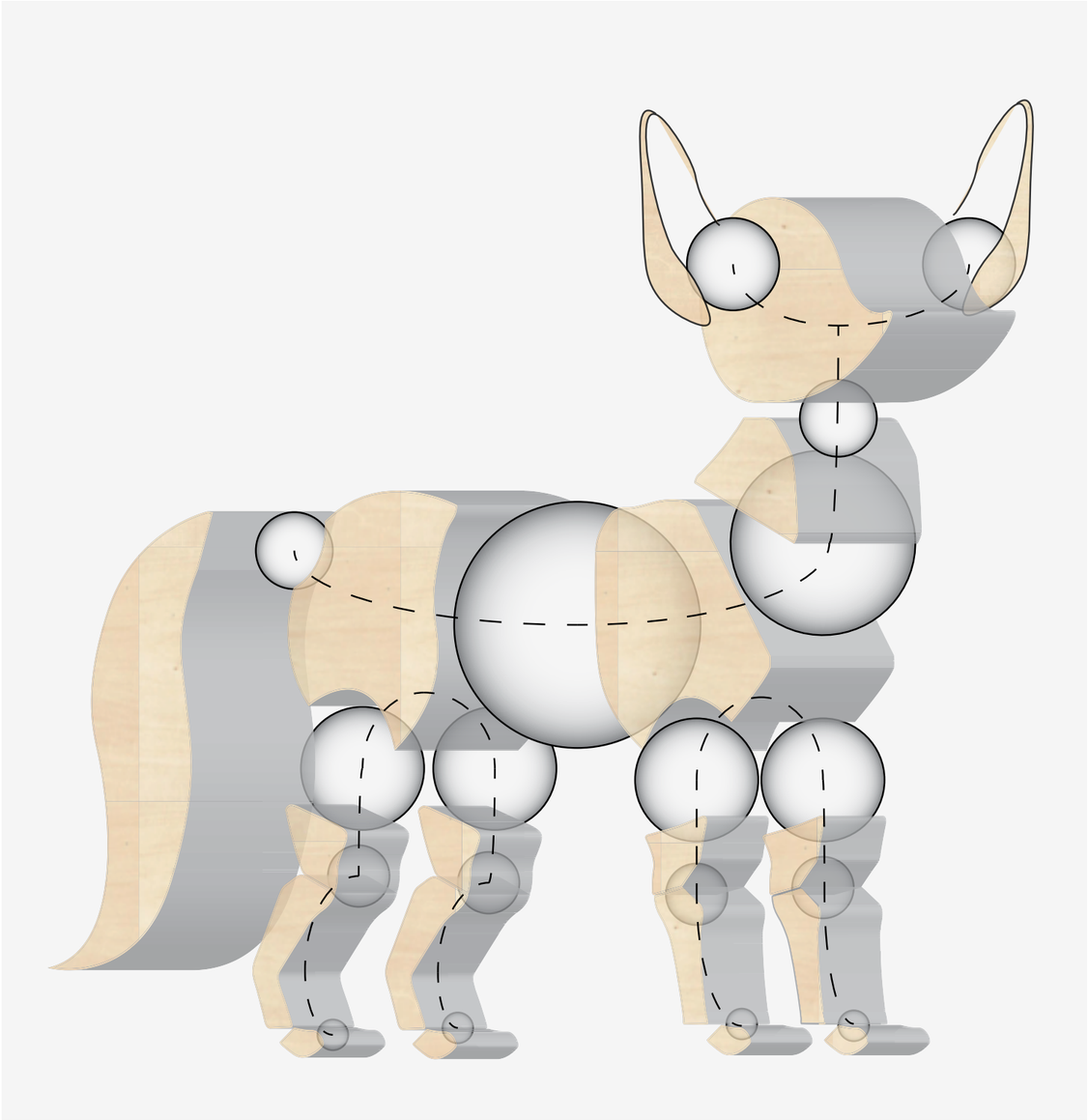
4

Final Drawing Rendering & Cutting Template

4) After arriving at a final hand-drawn concept, the next step was to render final drawings in Illustrator with the intent of being templates for cutting. This will help improve accuracy when translating the drawing into 3D model.







5

Final Model Assembling Process

6

Final Display
With Multiple Movements