

**Project 9.3a(v) Virtual Design Briefs (Wooden Mechanical Toy)**

**Client:** Craft supply and toy sellers

**Target Consumer:** People who like to construct home craft projects

**Designer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Problem Statement:** Do-it-yourself home projects are becoming increasingly popular. People are often looking for beginner to intermediate home craft projects.

**Design Statement:** Design and model a mechanical toy that can be assembled with small rubber bands and/or glue.

**Constraints:**

1. Must be a free standing toy.
2. May not have a footprint that exceeds 6” depth x 12” width x 10” height.
3. Must be manually operated.
4. Must have a minimum of three separate motions or moving actions once assembled.
5. Must be made of wood or plastic.
6. Motions should be cause/effect.