

Mechanical Toy Rebuild Kit

1. Wind-Up Toy Disassembly Guide

Step-by-step visuals and tips on safely taking apart wind-up toys to access motors, gears, and components.

2. Drawing Robot Design Template

Use this layout to plan and sketch your own marker robot. Includes marker positions, balance zones, and motor placement.

3. Spring Launcher Blueprint

Build a spring-based projectile launcher using recycled parts. Includes labeled diagram and testing tips.

4. Gear Car Planning Sheet

Sketch your design for a wind-up gear car. Track wheel placement, gear linkage, and speed tests.

5. STEM Reflection Journal (Printable)

Let kids write or draw their observations, challenges, improvements, and favorite parts after each build. Great for building engineering thinking!