

## **MECHANICS**

### **SAMPLE SCHEDULE**

- **DAY 1: Newtonian Mechanics - Laws of Motion and Gravity**  
Build a catapult
- **DAY 2: Energy and Momentum**  
Build a rocket
- **DAY 3: Rotational Motion**  
Build a mini rollercoaster
- **DAY 4: Fluid Dynamics**  
Viscosity measurements and air foils
- **DAY 5: Culmination of the Week**  
Build a Rube Goldberg Machine