

Contents:

Wood Block	1-Pt. Perspective Sheet
Screws	Planning Sheet
Nuts	Thumbnail Sheet
Washers	
Wire	
Instructions	

Tools Required:

Band Saw, Scroll Saw or Coping Saw
Files
Sandpaper
Drill
Wrenches
Pliers, Cutting and Bending



Bobsled Racer with articulated body



The written materials used in this Kelvin Educational Kit are recommendations for the teacher. Teachers are encouraged to make modifications to this activity to fit their particular needs and learning situations. As with any project the teacher should assemble a sample before engaging students in the activity.

Safety First

This kit should be assembled with adult supervision. Be careful and avoid injury when working with tools.

Disclaimer – This product requires the use of tools that could be dangerous and might cause an injury if not handled with care. This kit is not to be used by young children. Use the kit at your own risk.

Objectives – In utilizing this kit students will:

- Work with tools to process materials and assemble a product
- Incorporate engineering design techniques
- Better understand Newton's Laws of Motion
- See and understand the difference between potential and kinetic energy
- Find ways to decrease friction
- Work safely