

# Elevator Project I

## Building a Pulley Structure with PVC Pipe

Date \_\_\_\_\_

Team Name \_\_\_\_\_

Team Members \_\_\_\_\_

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**Problem Statement** (Description of the problem we need to solve)

*Build a structure that can support a pulley.*

**Specifications** (What are the project requirements? What must our solution do?)

*Structure must be able to support a pulley while lifting a 2000 gram weight.*

**Constraints** (Things that limit our solution like size, weight, time, materials)

*Structure must be made from PVC pipe and be approximately one meter high.*

**Results:** (Use another sheet of paper if necessary.)

**How much weight could your pulley lift without straining the structure?**

**Draw a picture of your project.**

**If another group made a sturdier structure, draw a picture of their structure. What made their structure sturdier?**

**What did you learn about building with PVC pipe?**