**Mechanism Toys**

In today’s society we rely on mechanisms to help power our world through movement. Mechanisms can be seen everywhere in our society, they are under the hoods of our vehicles, the machinery that builds our consumer goods, and the toys that our children play with.

**Purpose:**

A toy company is seeking a team to design and construct new and innovative toys that visually display the mechanisms that provide the movement to their children's toys. The toys should be fun, creative, and help children learn about the power of mechanisms. Each toy will display movement when a power source is applied to the input of the mechanisms. Each toy should utilize a minimum of 4 mechanisms.

**Materials:**

Notebook

Internet

Lab/shop equipment and tools

Wood

Other materials as needed.

**Requirements/Constraints:**

You will need 10 thumbnail sketches

1 final design sketch that is annotated

You will need a daily log of your activities/progress

The toy must use at least 4 mechanisms

You will provide the input power

**Grading:**

 Sketches \_\_\_\_\_\_\_/50

 Daily Log \_\_\_\_\_\_\_/50

 Working Toy \_\_\_\_\_\_\_/100