

Name: _____

Date: _____

Pull Toy Construction Project

Per: _____

Group Members I will be working with:

1. _____

2. _____



Assignment:

With your knowledge of **mechanisms**, you and a partner will use the design process to design and build a mechanism or series of mechanisms that will meet the following criteria:

- The mechanism is to be built entirely from VEX parts.
- The mechanism is to be built on a small, four-wheel base capable of being pulled across a smooth and level surface where the toy will move as a result of the movement of the wheels.
- A **gear** mechanism attached to the wheels will make another part of the pull toy move.
- You must have both of the following movements on your pull toy (the wheels do not count):
 - Rotary
 - Reciprocating
- Illustrations should be added to the **output** of the mechanism so as to simulate the toy. Be creative!

Theme for my group's project: _____

Sketch of my group's design:

Design Brief Template

Client:	
Designers:	
Problem Statement:	
Design Statement:	
Mechanisms I plan to use:	
How exactly will the design work? How will the mechanisms work together?	