

## Box Mover

### Problem Definition

- Project statement and Questions
- Size of Model

### Research

- How boxes are moved in Industry
- How are boxes lifted
- Potential materials

### Plan/Design

- Create 3 design alternatives
- Present design alternatives
- Edit design alternatives
- Re-Present design alternative
- Create Solid works model
- Final model decision
- Create materials list (Excel)
- Buy materials

### Waiting for materials

- Shipping of Materials

### Create/Build

- Lateral translation (lead screw guide)
- Vertical translation (elevator shaft)
- Horizontal translation (linear actuato...

### Test/Analyze

- Lead Screw to Arduino
- Servo to Arduino
- Linear Actuator to Arduino

### Reflect/Improve

- Improve functionality and

### Communicate Results

- Presentation/Paper

