Hand Operated Elevator

Name

Period

Engineering and Design Assignment (See Engineering Design Scoring Guide.)

✓ Always check/mark as you read!

	Raise (and deliver) a cargo to a height of at least meters using only hand power the lower level/location. Speed, smoothness of delivery & appearance are all important.
Criteria:	1) Lift distance must be at least meters2) Hand power must remain on lower level3) Cargo options are: 1-5 pennies, a sphere (d => penny), or agreed upon
Constraints:	 1) First solution must be a "Friction Rope Climber Elevator" design. 2) Solution must be easily portable and have minimal set up time. 3) If time, design & compare a solution using the "Pulley Counterweight Elevator".



