

# Work and Power and Energy:

Work: Is what happens when a force is applied to an object that is moving.

→ Whatever is exerting the force is doing work

→ The object that is experiencing the force is having work done to it

our focus →

Power: How quickly work is being done

→ Rate (like miles per hour)

→  $\frac{\text{work done}}{\text{second}}$

Energy: The ability to do work

- Things that have a lot of energy can do a lot of work
- Gravitational, motion, chemical

## Final Project:

- Needs to be safe
- Moderate (portable) sized
- Toy / game (optional, sort of)
- There has to be a force sensor built-in → it has to move while it pushes something

## 4 Thumbnail Sketches

