

# Mechanical Energy

The plan

# Mechanical Energy

- Day 1 – Work and NRG Introduction
  - Momentum 20Q Analysis
  - Mechanical Energy: Activity based Lecture
    - Need a meterstick, blue book, and timer for heavy lifting
  - Hwk: Mechanical NRG Wkst #1-7; Daily question on schoology
    - Dress for possible outside activity tomorrow, stair climbing shoes

# Mechanical Energy

- Day 2 – Work and Power
  - Work Practice problems
  - People Power
    - Find and calculate your stair climbing power
    - You need to have the work calculated by the end of class
  - Hwk: Wkst #2-7...the power parts; Daily question on schoology

# Mechanical Energy

- Day 3 – Power and NRG
  - People Power Lab
    - 30 minutes to finish questions – start now
    - Discuss Results and Power
  - Conservation of energy lab
    - No Free Lunch (you can't get something for nothing)
    - Should get to #9 if all goes well
  - HWK: Wkst #8-17; Daily question on schoology

# Mechanical Energy

- Day 3.1
  - Daily question
  - No Free Lunch lab (55 minutes)
    - Get laptop and login before Daily Question
  - Practice problems
  - Hwk: wkst #18-21,32-35; Daily question on schoology

# Mechanical Energy

- Day 4

- Conservation of energy

- Various Examples

- Bowling ball...

- Wkst #36

- 12Q Formative Assessment (25 min)

- Use your results to help prepare for 20Q

- Hwk: Daily question on schoology

# Mechanical Energy

- Day 5 – Remediation and 20Q
  - Work on remediation assignments
  - Turn in:
    - Labs – People Power and No Free Lunch
    - Remediation work
    - Review sheet
  - 20Q Summative Assessment
  - HWK - Electrostatics Key terms