

2/11/14 FORCES & RUBE GOLDBERG MACHINES

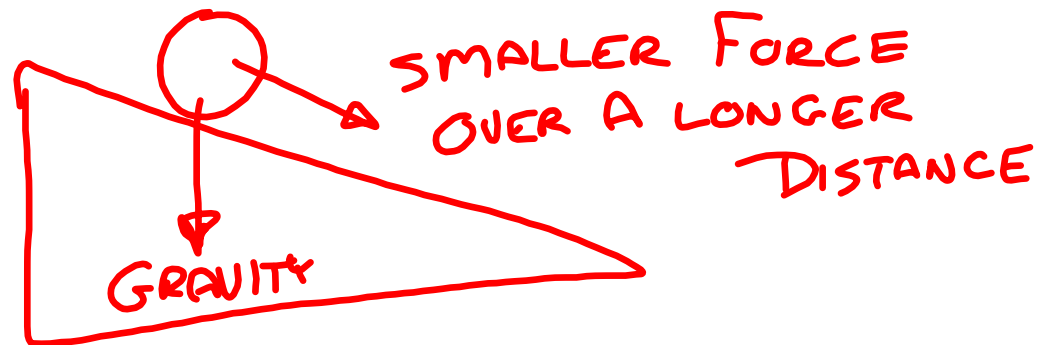
A FORCE IS A PUSH OR A PULL
THAT CAN CAUSE THE MOTION OF
AN OBJECT TO CHANGE.

CAN STOP
SLOW DOWN
CHANGE DIRECTION
SPEED UP

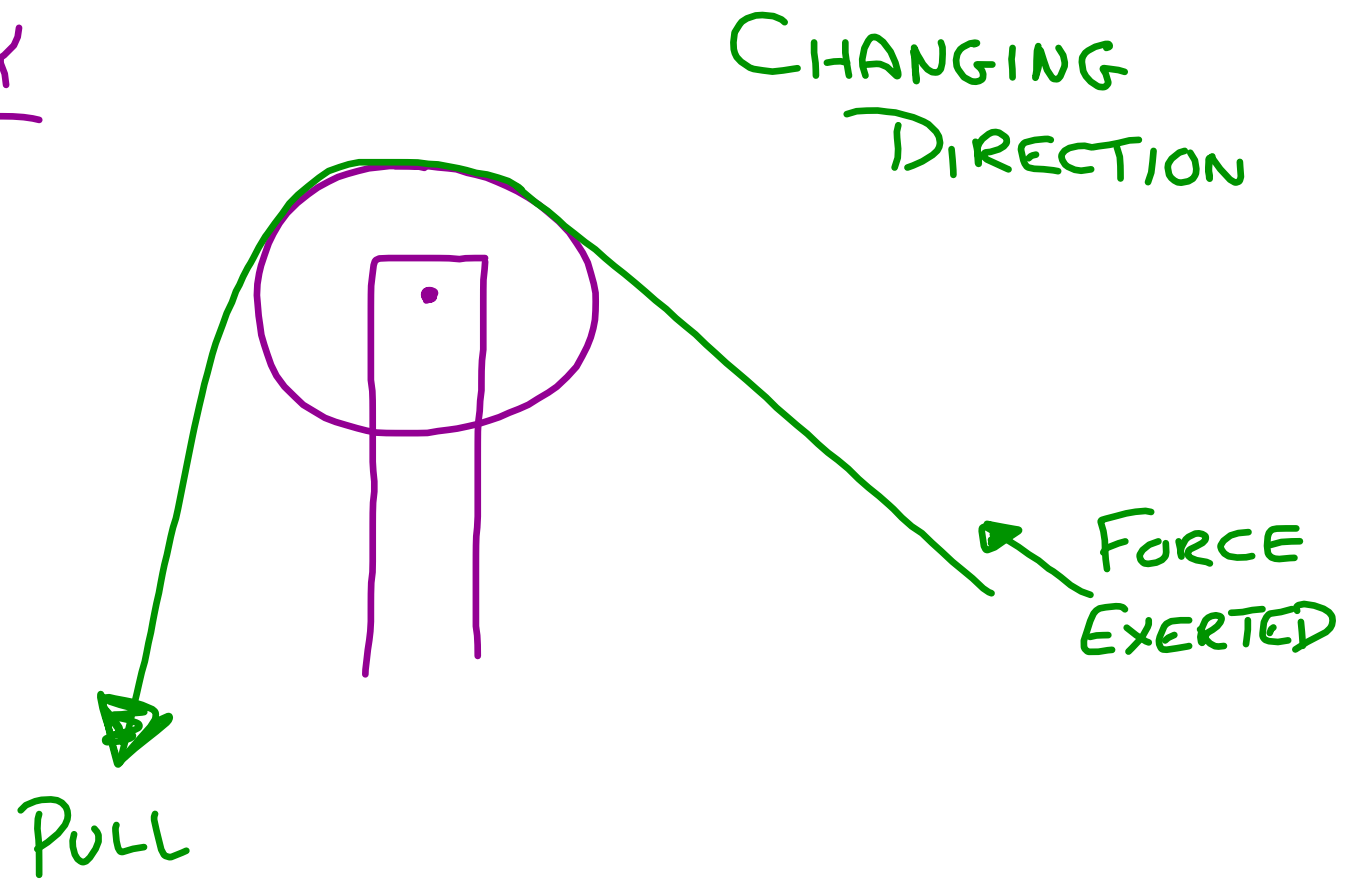
FORCES CAN
CAUSE OBJECTS
TO
ACCELERATE

SIMPLE MACHINES ARE DESIGNED &
USED TO CHANGE THE SIZE AND/OR
DIRECTION OF A FORCE.

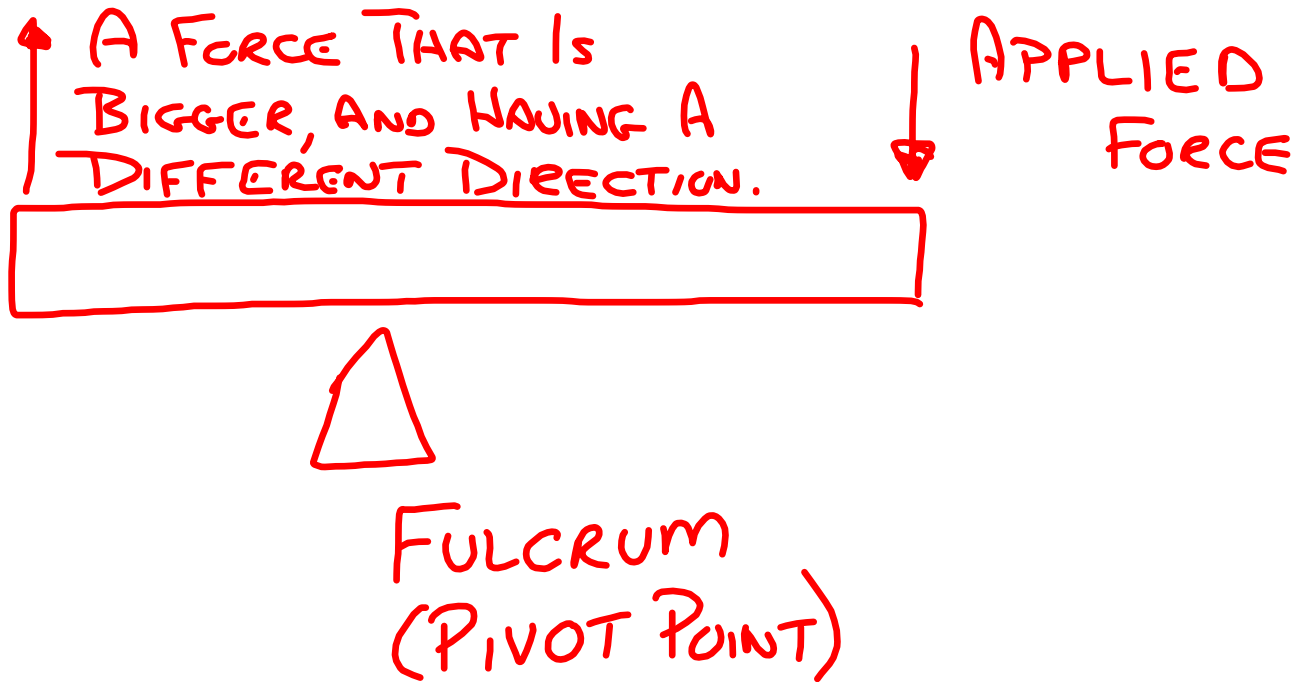
RAMP



PULLEY



LEVER



TODAY

- YOU WILL BUILD A LEVER
 - MAKE IT SMALL SO THAT YOU COULD INCORPORATE IT INTO YOUR RGM.
- YOUR RGM MUST FIT ON A BASE THAT IS 16"X18"
- YOUR FULCRUM CAN NOT BE IN THE CENTER
- IT MUST BE ATTACHED TO A SMALL BASE SO THAT IT IS RELIABLE.

