\* Solidworks drawing due FRIDAY 315

LUNAR LANDER

-> What are the different

forces that act on a spacecraft.

-> How do the size and direction of forces contribute to an object's acceleration?

-> How do an object's current velocity and acceleration

allow you to predict the

motion of the space craft?

How can you understand the

use of vectors to show

acceleration, velocity and 2, FORCE

## Lunar lander questions:

In the air

I ander

I no thoust

I gravity . Starts with

No motion

Predict how the lander will move

The lander will accelerate in

the direction of overall force

(gravity)

Inder with a constant with a constant velocity (no acceleration)

Praw a FBD (no acceleration)

(THAD) Is there an overall force?

A VELOCITY If not what is making ALREADY the lander move?