



# Question ?

Do you need lift to fly ?

What is Lift?

What does it mean to fly?

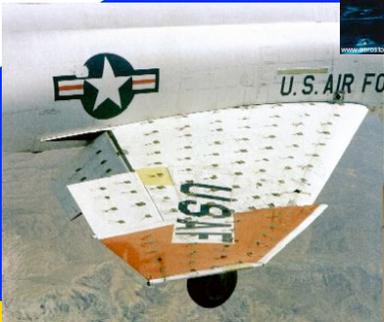
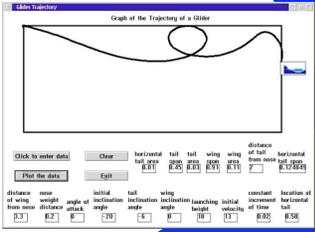
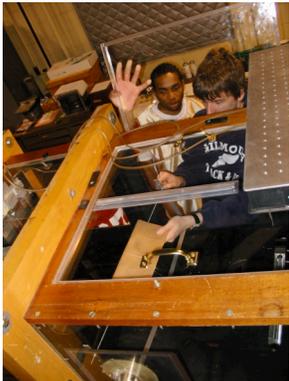
What does this have to do with launching rockets?

Who is Newton?

Why do I care about him?



# How Planes Fly



### UEET Educational Engine Experiment

JEBTTA Experiment

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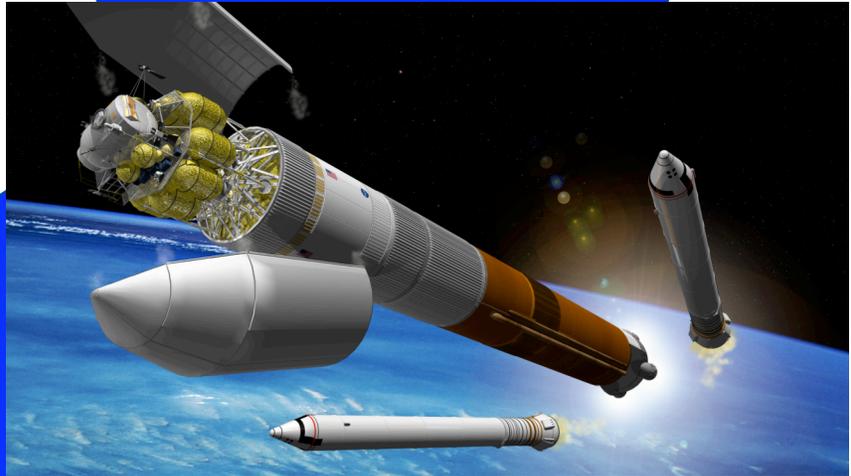
**Aircraft-Engine**



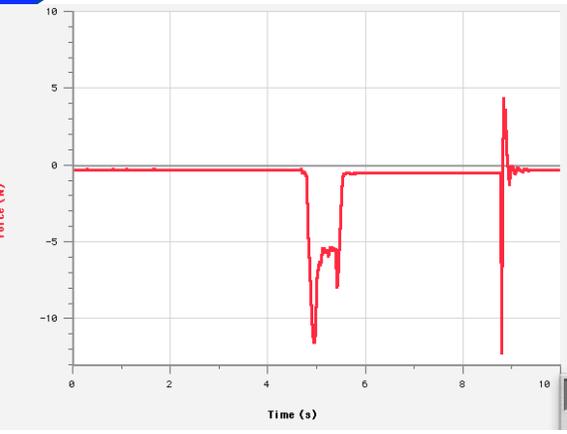
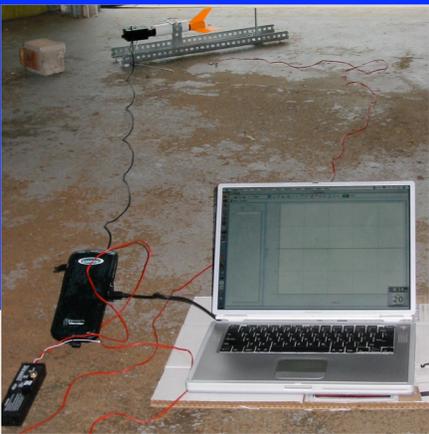
# How Rockets get off the ground



Trajectory



Spacecraft-Engine





## What are common and what different?

Both are vehicles

Both have wings. Why?

Both have engines

Both are designed and built by engineers

BOTH goes through atmosphere.

BOTH satisfies the LAWS of PHYSICS !





**Not just for NASA vehicles**



**Next time**

**“Luke, may the force be with you”**

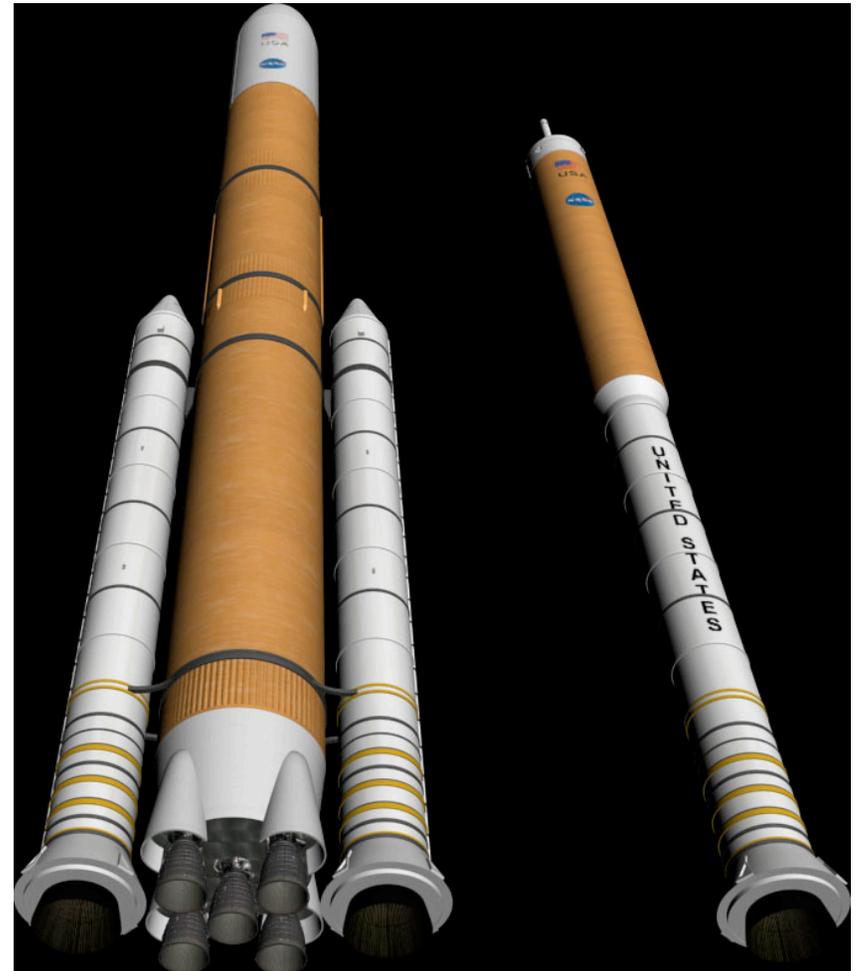
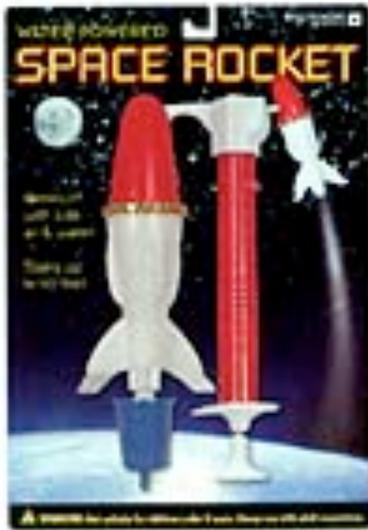


**What are the forces related to Atmospheric flight?**





Know this





Good at this

