**On Orbital Mechanics:**

Premise:

I want to better understand the idea of orbital mechanics and how they apply to flight trajectories and space mission planning. The goal is to make several projects that demonstrate my understanding of orbital mechanics and how they apply to spacecraft. I hope to show that with enough research and through understanding of the physics principles, I can apply what I know to create physics simulations programs, with varying degrees of complexity. Furthermore, I hope that this series of projects will demonstrate my ability to apply what I know about physics to real life space-systems.