

Assorted Possible Project 2 Topics

(hugely indebted to Michelle LeMasurier's PRIMUS XVI:4 article)

- ◆ Pretty much anything from before, hopefully taken to a slightly higher level now
- Magnet-spring systems
- Cooperative & Competitive Species
- Harmonic oscillators with modified damping
- Mass-spring system with a rubber band
- Active shock absorbers
- Modeling oil production
- Pursuit curves and/or flight paths
- Newton's Law of Gravitation and planetary motion
- Predators and prey
- Electrical networks, LCR circuits, and mechanical vibrations
- A mathematical theory of arms races and war
- Systems of springs and masses
- The mathematics of combat
- Lead in the human body and carbon in the Aleutian Islands
- Love affairs: Romeo and Juliet
- A successful volleyball serve
- How long should jellyfish hold their food?

