***Physics notes:***

***Topic 1 - Energy:***

**Energy Stores and systems:**

* Energy is never used up. Instead it’s transferred between different energy stores and objects
  + When energy is transferred to an object, the energy is stored in one of the object’s energy store
* What are the energy stores?
  + Thermal
  + Kinetic
  + Gravitational Potential
  + Elastic Potential
  + Chemical
  + Magnetic
  + Electrostatic
  + Nuclear
* Energy is transferred in different ways
  + Mechanically
    - Force doing work
  + Electrically
    - Work done by moving charges
  + Radiation
    - Light or sound
* A system is a single object or a group of objects that youre interested in
* When a system changes energy is transferred