

# Physics Syllabus!

## 1<sup>st</sup> nine weeks:

lab safety, scientific method (Mars & the egg drop)  
measurements – metrics, scientific notation, sig figs  
graphing in physics  
motion  
coordinates, vectors  
velocity, acceleration (acceleration due to gravity)

## 2<sup>nd</sup> nine weeks

Forces  
Projectile motion  
Circular motion  
Conservation of momentum  
Energy types  
Work, power, machines

## 3<sup>rd</sup> nine weeks

Conservation of energy  
Thermodynamics  
Fluid properties  
Waves – sound, light

## 4<sup>th</sup> nine weeks

Electricity, static, currents  
Circuits – series, parallel  
Magnetism  
Electromagnets  
Physics of the atom & nucleus