

## Physics

### 1<sup>st</sup> Six Weeks

Laboratory Management  
The science of Physics  
Kinematics in One Dimension

### 2<sup>nd</sup> Six Weeks

Kinematics in Two Dimensions  
Graphic Motion  
Forces and the Laws of Motion

### 3<sup>rd</sup> Six Weeks

Work and Energy  
Conservation of Energy and Motion

### 4<sup>th</sup> Six Weeks

Rotational Motion and Gravity  
Speed of Light and Special Relativity  
Thermodynamics  
Vibration and Waves

### 5<sup>th</sup> Six Weeks

Waves properties  
Electrostatics – Forces, Fields, and Energy  
Electromagnetism

### 6<sup>th</sup> Six Weeks

Electricity Current  
Experimental Design