

# Mechanics

**Enduring Understanding** - Simple harmonic motion is motion that repeats about a point of stable equilibrium.

## Essential Questions

1. Is the choice of fulcrum important?
2. What is the relationship between Newton's Law of Universal Gravitation, NLUG, and Kepler's Law of Periods?
3. Where do gravitational fields exist?
4. Are kinetic and gravitational potential energies positive or negative?
5. What do all simple harmonic motion derivations have in common?

## Statics, Gravity and SHM

