February 16, 2018

## **AP Registration**

Today is the last day to register without an added late fee!

There will be no registering after next week.

## **Simple Harmonic Motion**

- Many things exhibit periodic motion.
  - Satellites orbiting the earth.
  - Playground swings
  - Water waves
  - Atomic Oscillations
- Certain vocabulary associated with periodic motion.

## **Vocabulary**

<u>Amplitude (A)</u> - The maximum displacement from equilibrium.

<u>Period (T)</u> - The time it takes to complete one full cycle of motion.

Units = seconds (s)

<u>Frequency (*f*)</u> - The number of complete cycles or vibrations per unit of time.

Units = hertz (Hz)











