



### CP Astronomy

#### Course Description:

CP Astronomy is an elective designed for students in grades 11 – 12. The course examines the universe, and applies the hands on approach to learning. CP Astronomy is paired with the Meteorology course. Combined they make up a full semester course.

#### Course Expectations:

CP Astronomy is one half of a semester course. A textbook is used mainly for homework and background reading. Field guides, on-line resources, models and astronomy instruments are used during class to study the universe and to complete labs.

#### Course Topics Include:

1. History
  - a. People who shaped astronomy
  - b. Development of modern astronomy
2. Earth's Moon
  - a. Phases
  - b. Motion
  - c. Features
  - d. Tides
3. Sun and the solar system
  - a. Features
  - b. Models
  - c. Formation
4. Planets and the solar system
  - a. Features
  - b. Models
  - c. Formation
5. Stars and Galaxies
  - a. Classifying stars
  - b. Lifecycles of stars
  - c. Electromagnetic Spectrum
  - d. Types of galaxies