

"Science
Is
Discovery"

2011-2012

Astronomy Class Syllabus

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Room 122

Office Hours: 11:10-12:10 (4th)

$\frac{1}{2}$ hour before & after school
and by arrangement

Course Objectives:

- Understand & use scientific concepts-interconnection between & among systems
- Know and use the skills and processes of science - the scientific method
- Understand the nature and contexts of science and technology and application

Research Manual/Text: The main textbook slated for this course is Astronomy Today: Chaisson & McMillan. You will be issued one for your use at home and **must take care of it (cover with book cover!)** and be responsible for its upkeep until checked in at the end of the semester course end. Please keep at home because there will be a class set for your use daily - same conditions for upkeep! You are encouraged to seek out other resources as supplements (see Mr. Knowles for guidance) to this text to help you in the understanding of the material.

Required Materials: 1" Notebook Binder with dividers, pencils, and lined notebook paper. **Journal.** Notes and journal writes must be kept in separate books Mount Si Planner (issued the 1st week of school or prior).

Course Description: The study of the vast universe beyond our home planet earth has long been of great interest to humans seeking questions of the unknown. The night sky has inspired wonder throughout the ages - a wonder that leads us into the distant reaches of space and time. The study of astronomy allows us all to satisfy this curiosity through the need to explore and the need to understand.

This course is designed to provide you with a basic understanding of the universe - a totality of all space, time, matter, and energy. Our journey will begin examining earth's place in the solar system among our own moon, the sun and the neighboring planets. We will then look outward as we explore the many other wonders of interstellar space, such as stars, galaxies, nebulae, comets and meteors, concluding with mankind's never-ending exploration and discovery of them in search of answers fueled by new technologies and innovative theoretical insights.

Equipment & Supplies: It is the responsibility of all students to properly care for ALL classroom equipment and supplies, as well as keep the classroom clean. Any intentional destruction of school property is regarded as a zero tolerance offense.

Mount Si Planner: Brought **daily** and will serve as your hall pass & any home-to-school communication. If you lose it, you must replace it (\$8) for use in this class.