

Space Science
Morton High School



Text: Earth Science, Allison, DeGaetano, & Pasachoff

Course Description

This course is an introduction/survey of the basic concepts of Astronomy and Meteorology. **This course is offered only during second semester.**

During this semester we will cover the following topics:

Space

Astronomy vs. Astrology
Constellations
Spectroscopy/ Telescopes
Formation of the Universe
Stars
The Sun
The Planets-Motion in the Solar System
The Moon
Earth's Motions
Earth Weather & Climate

Space Science Goals:

1. Understand the nature of science and how it applies to everyday life.
2. Know and apply concepts that describe the features and processes of the earth and its resources.
3. Develop appropriate work habits, analytical and communication skills: learn and contribute productively as individuals and as members of groups.

Course Format

Students will be involved in the following:

1. Notes & Discussion
2. Reading of current astronomy/weather related literature
3. Internet research, homework assignments
4. Hands-on laboratory work
5. Research Projects/current events w/presentation
6. Utilizing real time data in lab activities, as well as researching the most current information in their study of astronomy/meteorology and its numerous systems.

Course Expectations

-Students will be expected to complete homework, readings, research, quizzes, tests, and laboratory activities.

Grades

-Each student will be graded on homework, quizzes, unit tests, research, presentations, and laboratory activities.

-This class is based on total points.

Homework

Homework will generally consist of reading and completing section topic questions. Students are allowed to use homework on homework quizzes. Some lab activities may also be considered homework and be subject to an announced quiz. There are also occasions where notes quizzes will be given to make sure you are taking good notes in class. Class time may be given to work on assignments. **Use this time wisely!**

All work will be collected at the beginning of the hour on the due date. **All assignments must have your name, date, and class period at the top of the page.** Assignments will be returned as soon as possible. Assignments and notes should be kept in order to study for tests and semester exams.

The purpose of homework is to reinforce what was taught in class and check your understanding of the material. Completing **your own** homework is vital to your comprehension. If an assignment is difficult ask me for help. Some homework will introduce new material. Reading the book will be important in the next class discussion and your understanding of the new material.

Tests

You will be given one week's notice before any test. Tests will consist of multiple choice, true/false, matching, completion, and labeling.

Late Assignments will be handled according to the school handbook. Any other arrangements must be discussed with your instructor.

Absences

Students will be given one day for every excused day he/she is absent to make up work. This includes tests. It is your responsibility to reschedule tests and pick up the missed work.

Extra Credit

Extra credit will be given **at my discretion**. Extra credit will **not** be given as a last-minute attempt to raise your grade before report cards. Any extra credit will not be accepted late.

Grading Scale

100 – 93 A

92 – 85 B

84 – 77 C

76 – 70 D

69 – 0 F

Class Grades

Grades will be calculated as total points earned out of total points possible. You can keep track of your own grades very easily.

Cheating, Copying, or “Sharing” will NOT be tolerated in my classroom. Any type of this behavior will result in a zero on the assignment, quiz, or test. The zero will be given to both people involved.

Classroom Expectations:

-BE RESPONSIBLE-you must always be responsible for your own actions when dealing with your teacher or others around you!

-BE RESPECTFUL-you will be treated with respect as long as you show respect towards others (I.E. classmates and teacher)!

-BE REASONABLE-you can get a lot out of Earth Science if you will give yourself the chance to explore your curiosity and have fun with science. Do not expect to get more out of this class than you put in.

-PARTICIPATE- you will find that this class is much more fun, interesting, and informative when you ask questions or participate in class discussion.

-Complete your required work (i.e. notes, labs, and assignments) and you will pass this course and learn a lot in the process.

-Finally, let me know if you have any problems, you are my students and I am here for you!!!!

The way to succeed in Space Science...

The best way to succeed in Space Science is to have good attendance, participate, ask questions, and complete assignments. If you are in need of help, please ask!