

Name of School:

Name of Course: **Weather, Climate & Space**

Instructor Information

Name:
E-mail address:
School phone number:
Web page address:
Best times to be reached:

Course Description

This one-term course is an investigation of the factors which influence earth's weather and climate, and how we use those factors in weather forecasting. The science involved in space exploration, including the principles of astronomy, is one of the special features of this course.

District Standards and Power Benchmarks

Standard 1: Understands and applies the principles of scientific inquiry
Benchmark A: Formulates and revises scientific explanations and models
Benchmark B: Understands how scientific knowledge changes with new evidence
Benchmark C: Uses technology and mathematics to perform accurate scientific investigations and communications
Benchmark D: Demonstrates safe handling procedures

Standard 2: Understands and applies the principles of earth science
Benchmark A: Explores the components and dynamics of the universe
Benchmark B: Recognizes the earth's atmosphere role in weather patterns

Course Information

This is a one-term class with no pre-requisites. 0.5 credits will awarded for this class.

Course Outline/Calendar

Text/Other Required Materials/Resources

DiSpizio, et al. (1995). *Science Insights: Exploring Earth and Space*. Menlo Park, CA: Addison-Wesley Publication Company, Inc.

Instructional Procedures & Support

Classroom Management Procedures

Assessment Plan

The students are assessed on a point system. In addition to classwork, labs, tests and quizzes, the students are assessed on: a Sunspot Assessment, Weather Map Assessment, and a Spreadsheet Integration Project.

Grading System

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F