

**Brandywine Heights Area School District**  
**200 West Weis Street, Tipton, PA**

**Course Syllabus for eighth grade Earth – Space Science**

**Overview:** Earth-Space Science is required for all eighth grade students. The course covers four broad areas of study: Geology; Meteorology; Astronomy; and Oceanography. During the course of this class we will explore the basic concepts and ideas behind each science with special emphasis on PA related topics. This eighth grade course is laboratory and hands-on based, stressing “real world” applications.

**Textbook(s) and Other Resources used:**

Earth Science

Copyright, 2004 by Holt, Rinehart, Winston

**Astronomy**

**Water on Earth**

**Inside the Restless Earth**

**Earth’s Changing Surface**

**Weather and Climate**

**Outline of Content:**

**First Quarter: Meteorology**

- a. Data analysis and graphing
- b. Atmosphere
- c. Weather
- d. Climate

**Second Quarter: Astronomy**

- e. The Sun - Earth - Moon System
- f. The Solar System
- g. Stars and Galaxies

**Third Quarter: Earth Materials**

- h. Minerals
- i. Rocks
- j. Plate tectonics

**Fourth Quarter: Oceanography**

- k. Soils
- l. Ocean Motion
- m. Oceanography

**Miscellaneous:**

Students will be asked to prepare and present a number of projects during the 09-10 school year. Classroom activities will include research and other related assignments.

**Grading Policy / Procedure / Framework:**

Grading is based on a total point system. The students will be assessed on tests, experiments, projects, homework, quizzes and in class assignments.

**Homework Policy:**

Homework is assigned on a daily basis and is due at the beginning of the class on the date designated. Late assignments will not be accepted, with an exception to excused absences.