

Sixth Grade Advanced Science Course Outline

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- Scientific Process
- Space Science
- Dynamic Earth
- Minerals
- Rocks
- Earth History
- Meteorology
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Welcome to 6th Grade Science!

Instructor: Mrs. Susan Trefethen
susan.trefethen@tcmstornadoes.com

Course Description:

Students will be challenged to comprehend time, size and scale in sixth grade Science. From a lightyear to the span of 4.5 billion years of geologic history, students will begin to form an understanding of very abstract astronomical and geologic concepts.

Science in middle school builds students' ability to problem-solve. Students will demonstrate how observation contributes to scientific inquiry and will become adept at not just following the scientific method, but creating their own procedures. Being able to observe objectively is paramount to science.

Understanding will be gained through text readings, individual projects, class discussion, in-class group activities, labs and oral reports. The learning experience will be further enhanced through videos and other multimedia sources.

Class Participation:

To help you achieve the objectives of this course, you are expected to participate in all the group activities and discussions. It is expected that you will actively participate in all class activities by raising thoughtful questions, making useful observations about the course content and process, engaging in reflection on your own and others' assumptions in a respectful manner, sharing ideas, providing useful feedback, and undertaking ongoing evaluation of different aspects of the course and your own learning.

Students are expected to take and maintain notes **in a composition notebook**. The student notebook will be the storehouse for all assignments and the source for all assessments.

A new composition notebook will be provided each semester.

Are you ready to be a Geologist?

Grading:

Tests and Projects: 35%
Quizzes: 25%
Classwork and Labs: 25%
Homework: 15%

Grades will be based on points and follow the student handbook policies.
90-100= **A** / 80-89= **B** / 70-79= **C** / 60-69= **D** / 59 and below= **F**

Course Outline:

Sixth Grade Science is divided into six units of study.
The completion of each unit will be followed by an assessment appropriate to the unit.

Unit One: Science Process Skills
Unit Two: Astronomy and Space Science
Unit Three: Dynamic Earth
Unit Four: Minerals & Rocks
Unit Five: Earth History
Unit Six: Meteorology



Communication:

The primary mode of communication is personal contact between the teacher, student and parent(s) or guardian(s). A weekly grade analysis will guide discussion with your student about his/her progress in the course. Grades are posted online via the school Edsby website. Each Thursday evening students, with their parents, will check progress in each class and record it in their planners. Planners will be checked each Friday for completion and accuracy. Please feel free to contact me with any concerns or compliments and I will return the courtesy.

I am available for content tutoring Wednesday, after school from 3:10 to 4:00. I will also hold morning tutoring sessions on select Thursdays as needed for assessment preparation and project submission.

We have read and understand the 6th Grade Science Course Outline and expectations or will request clarification.

X _____(student) X _____(parent)