



**KENOSHA UNIFIED SCHOOL DISTRICT NO. 1
CURRICULUM AND INSTRUCTIONAL SERVICES**

COURSE SYLLABUS FOR GEOLOGY (451011 & 451012)

Number of Credits: 1 **Locations:** Bradford, Hillcrest, LakeView Tech, Reuther, Tremper

Prerequisites: Successful completion of Biology

Course Description

Maps and models will aid students in understanding the evolution of the earth. The study of minerals, processes of the rock cycle, geologic time and plate tectonics, which includes the study of volcanoes, earthquakes, and the formation of mountains will provide a foundation for further study of geosciences. Note: Not open to students who have successfully completed Geology-Honors.

Course Standards

Standard A: Science Connections

Standard B: Nature of Science

Standard C: Science Inquiry

Standard E: Earth Science

Standard G: Science Applications

Standard H: Science in Social and Personal Perspectives

Explanations of standards and most essential benchmarks can be viewed at www.kusd.edu

Lifelong Learning Standards

- Knowledgeable person
- Effective communicator
- Quality producer
- Complex thinker
- Self-directed learner
- Contributing citizen

Lifelong learning benchmarks may be viewed at: www.kusd.edu.

Course Outline

GRADING TERM ONE

1. Introduction to Geology
2. Minerals
 - a. Earth Formation, structure, & shape
 - b. Chemistry review
 - c. Mineral bonding and structure
 - d. Mineral properties and mineral groups
 - e. Rock types and their identification/rock cycle
3. Tectonics
 - a. History of plate tectonics
 - b. Plate motions
 - c. mechanic layers
 - d. features at plate boundaries

- e. Volcanoes
- f. Earthquakes
- g. Mountain Building
- 4. Geologic History
 - a. Relative Time
 - b. Absolute Age
 - c. Correlation
 - d. Fossils/Paleontology
 - e. Geologic Time Scale
 - f. Stratigraphic Columns
- 5. Introduction to Maps
 - a. Map Projections
 - b. Coordinate Systems
 - c. Map Components (Parts of a Map)
 - d. Topographic Maps & Profiles
- 6. Surface Processes
 - a. Introduction, soils, mass movement
 - b. Surface Water
 - c. Groundwater
 - d. Glaciers
 - e. Wind, Waves, & Currents

Board-Approved Instructional Materials

Spaulding, Nancy E. and Samuel N. Namowitz (2005). *Earth Science*. McDougal Littell.

Methods of Assessment

Final exams should be cumulative in nature, emphasizing the most essential benchmarks for the course. Results of the final exam represent 20 percent of the final grade, but this single measure *may not* drop a student’s grade by more than one letter grade. In courses that rely heavily on a major project, performance exhibition, etc., the project should be divided into stages or components and each of those should be graded separately, providing students with frequent and specific feedback.

Board-Approved Grading Scale

Excerpts taken from School Board Rule 6452

GRADING SCALE

A+=98-100 percent	B+=86-89 percent	C+=76-79 percent	D+=66-69 percent
A=93-97 percent	B=83-85 percent	C=73-75 percent	D=63-65 percent
A-=90-92 percent	B-=80-82 percent	C-=70-72 percent	D-=60-62 percent
			F=0-59 percent

MAKE-UP WORK

Students submitting work up to ten school days late without prior approval may receive up to two grades lower on the work than they would have received if the work had been submitted on time (i.e., B+ lowered to a D+). Student work submitted after ten school days without prior approval shall not be accepted for credit and shall be recorded with a score of zero.

Upon returning to school after an absence, a student has the responsibility within the number of days equal to the length of the absence or suspension to meet with the teacher to develop a plan for making up missed work, quizzes, and examinations. A truant student has the responsibility on the first day he or she returns to the course/class to meet with the teacher to develop a plan for making up missed work, quizzes, and examinations. Lower grades may not be given for late work due to excused absences, suspension, or truancy unless the work is submitted later than agreed upon deadlines.

See Rule 6452 in its entirety at: www.kusd.edu.