



Mission: To offer inspiration through advanced instruction and authentic experiences.

Instructor: Brandon Davis, ED. S

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Please allow 24 hours for a response.

Conferences can be scheduled via the counselors between 7:15 and 7:45 am.

Earth System Principles

Earth systems – the atmosphere, hydrosphere, geosphere, and biosphere – interact through time to produce the Earth’s landscapes, ecology, and resources. These standards engage the students in constructing explanations of phenomena fundamental to the sciences of geology and physical geography, including the early history of the Earth, plate tectonics, landform evolution, the Earth’s geologic record, weather and climate, and the history of life on Earth. Instruction should focus on development of scientific explanations, rather than mere descriptions of phenomena. Case studies, laboratory exercises, maps, and data analysis should be integrated into units. Special attention should be paid to topics of current interest (e.g., recent earthquakes, tsunamis, global warming, price of resources) and to potential careers in the geosciences.

Course Objectives

- Investigate the composition and formation of Earth systems, including the Earth’s place in the solar system.
- Understand how plate tectonics creates certain geologic features, landforms, Earth materials, and geologic hazards.
- Explore the actions of water, wind, ice, and gravity as they relate to landscape change.
- Understand how rock relationships and fossils are used to reconstruct the Earth’s past.
- Investigate the interaction of solar energy and Earth’s systems to produce weather and climate.
- Communicate information about how life on Earth responds to and shapes Earth’s systems.

Required Supplies

- Composition book

- Binder + Paper

- Writing Utensil
- Fully charged Chromebook
- Crayons/Markers/Colored Pencils

Expectations for Academic Success

- NO phone, NO airpods, NO apple watches
- Attend class daily and submit work on time.
- Respect yourself and others.

Grade Calculation

Summative Assessments = 60%	Formative Assessments = 40%
<ul style="list-style-type: none"> ● Unit Exams, Projects ● Final Exam (20%) 	<ul style="list-style-type: none"> ● Practice Work: classwork, CFA, homework, quizzes, labs, authentic learning experience.

Late Work / Make-up Work

Missing work can be submitted (with a 10% deduction) prior to the end of the unit. **Once a unit is over, no more work from that unit will be accepted.**

Extra Credit:

No end-of-the unit or end-of-the semester extra credit is available or offered in this class.

*****Syllabus Signature*****

Student Name: _____

_____ Parent Signature Date