

GEOLOGY 12

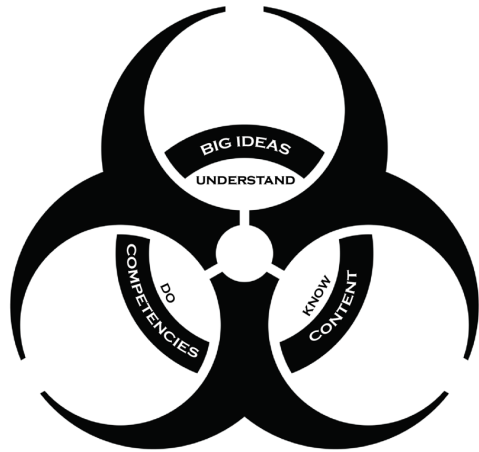
Teacher Name: Ms. Reid

Email: hreid@sd44.ca



Objective

To develop the attitudes, skills, and knowledge necessary for scientific literacy by working and communicating scientifically, practicing scientific inquiry, thinking critically and creatively, and acting with personal and social responsibility.



Course Description

For a detailed breakdown of B.C.'s new curriculum "Building Student Success" please refer to the Ministry website @ curriculum.gov.bc.ca.

Curricular Competencies

- Questioning and Predicting
- Planning and Conducting
- Processing and Analyzing data and information
- Communicating
- Applying and Innovating
- Evaluating

Big Ideas

- Minerals and rocks are the foundation of the rock cycle and can be used as resources that drive industry and global economies.
- Geologic time is preserved in Earth's rock record as fossils and reflects profound changes in the history of life on Earth.
- Tectonic plates are in constant motion and their interactions produce earthquakes, volcanoes, and characteristic landforms on the Earth's surface.
- Geological maps and models are tools used to represent surface features and subsurface structures.
- Weathering and erosion processes shape landscapes through the interaction of the geosphere and hydrosphere.

Explorations may include:

Earth Materials

Mineral and Rock Properties, Classification and Identifying, Resources

Geologic Time

Fossil Record, Evolution, Fossil Formation, Absolute Dating, Relative Dating

Plate Tectonic Theory

Plate Tectonics, Earthquakes, Volcanoes, Layers of Earth

Deformation and Mapping

Faulting and Folding, Geologic Maps

Surface Processes and the Hydrosphere

Weathering and Erosion, Mass Wasting, Glacial and River Erosional and Depositional features, Groundwater, First Peoples Knowledge of Landforms

Classroom Responsibilities

Successful students...



- ☑ *Attend class daily.*
- ☑ *Arrive on time and are prepared to participate bringing the required materials.*
- ☑ *Actively participate in lessons and use class time constructively.*
- ☑ *Complete all assignments, to the best of their ability, and submit them on time.*
- ☑ *Respect a safe working and learning environment for both staff and students.*
- ☑ *Practice safe lab procedures to maintain personal and peer safety.*
- ☑ *Use personal electronic devices responsibly and respectfully.*

Resource Materials

Three Ring Binder, Lined Paper, Graph Paper, Dividers, Pencil Case, Pencils, Eraser, Pens, Ruler (15 cm), Felts, Pencil Crayons and **access to a device to utilize Microsoft Teams!**

Attendance

If you are absent, it is your responsibility to make up missed work. Should you be absent on the day of an assessment or evaluation, please have your parents/guardians notify the school of your absence and your reason (via a telephone message 604-903-3314) or email argyle@sd44.ca as soon as possible. Arrangements may then be made with me to write the test or submit the project, in class, upon the day of your return. Patterns of absence may result in a failing grade.

Assessment and Evaluation

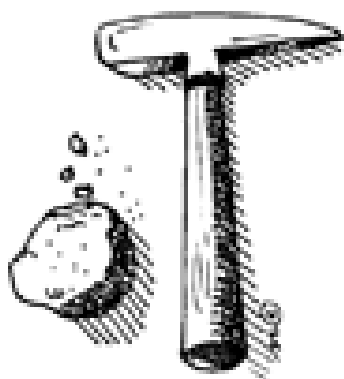
The work of students will be evaluated in a variety of ways:

- *Formative assessment* will be used to monitor student learning in order to modify teaching and learning strategies with the goal of improving student mastery.
- *Summative assessment* will be used to evaluate skill acquisition, student learning and mastery of specific content areas in order to summarize student development at a particular time.
- *Performance based assessment* uses a set of criteria that require students to demonstrate their knowledge and skills, including the manner in which they solve problems. Performance based assessment will be used to measure how well students can apply what they know, often to real-world situations.

Students may be given the opportunity to redo and resubmit assignments that do not meet the required criteria.

Marks will be cumulative for the entire year and may include an in-class midterm in addition to the final.

Assignment completion, ongoing study and review, and an organized notebook are keys to success in *Geology 12*.



"GEOLOGY CAN REMIND US THAT WE LIVE HERE AT THE PLEASURE OF NATURE"

Unknown