

# Welcome to Earth Science 11!

**TEACHER:** Mrs. Colpitts

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**WEBSITE:** <http://mrscolpittswss.weebly.com>

**TEXTBOOK:** Earth Science by Tarbuck & Lutgens. 9<sup>th</sup> Ed.

## CONTENT:

Topics Covered	Details
Introduction to Earth Science	What is Earth Science? <i>Course topics, prospective careers</i>
Astronomy	Earth within the Solar system <i>Astronomy seeks to explain the origin and interactions of Earth and its solar system</i>
Earth Materials	Rock and Minerals <i>Earth materials are changed as they cycle through the geosphere and are used as resources, with economic and environmental implications</i>
Geological Time and Plate Tectonic Theory	Fossils and Age Dating <i>Plate tectonic theory explains the consequences of tectonic plate interactions</i>
Atmospheric Science and Climate	Surface Processes and Climate <i>The transfer of energy through the atmosphere create weather and is affected by climate change.</i>
Oceanography and the Hydrosphere	Weather and water patterns. <i>The distribution of water has a major influence on weather and climate</i>

## SKILLS:

Competencies	How?
Think Critically	<ul style="list-style-type: none"><li>○ Questioning &amp; Predicting</li><li>○ Processing and analyzing data and information</li><li>○ Planning and conducting</li><li>○ Assessing risks in the context of personal safety and social responsibility</li></ul>
Collaborate	<ul style="list-style-type: none"><li>● Group projects/labs</li><li>● Class discourse</li></ul>
Contribute	<ul style="list-style-type: none"><li>○ Awareness campaigns</li><li>○ Digital literacy</li><li>○ Contribute to finding solutions to problems at a local &amp; global level through inquiry</li></ul>
Create and Innovate	<ul style="list-style-type: none"><li>● Your ePortfolio</li><li>● Designing &amp; conducting an experiment</li></ul>

## REQUIRED SUPPLIES for EACH class:

- 3 ring binder, loose leaf paper
- Dividers for each section to keep work organized. (6 in total)
- Your Earth Science textbook
- Pencils, eraser, pen and highlighters
- We will be using computers in class periodically. You may wish to bring a computer or tablet to some classes.

## EVALUATION:

In this course, you will be creating an e-Portfolio to showcase your learning however, as the course unfolds, there may be material that is best assessed using traditional quizzes and tests. Generally speaking, you will use your ePortfolio to illustrate your lab and project work as well as provide ongoing reflection. This is your Earth Science legacy – be proud of it!

**ASSIGNMENT EXPECTATIONS:**

- ❖ You must successfully complete all of the assigned projects/labs to meet the expectations of this course.
- ❖ You must complete all your work to the best of your ability. Do not let the work pile up. Ask for help if you need it.
- ❖ Please refer to my course website for current deadlines. There is a daily homework blog

**ABSENTS:**

- Earth Science 11 is an academic course. It requires organization and good attendance to be successful. New topics are explored each day.
- Students are expected to check the course website for missing work and upcoming deadlines.
- If an absence is planned, the student should discuss missing work with the teacher beforehand.
- *If a student is away for an extended period of time it is his/her responsibility to meet with me as soon as possible after or preferably before to set deadlines for the missing work.*

**CLASSROOM EXPECTATIONS:**

- a. We are kind to each other and care for one another
- b. Arrive to class on time with necessary supplies, ready to work
- c. Please no talking while I'm giving instructions. Be courteous by removing headphones during instruction.
- d. You are in Grade 11/12. Your cell phone should not be a distraction. Put it away.
- e. Ask questions when you don't understand the work but please think for yourselves and think critically.
- f. Have the assigned work completed before arriving to class
- g. Healthy snacks and drinks are ok as long as they do not disrupt learning by being messy, noisy or smelly. Take your garbage and recyclables with you!

**COURSE FEEDBACK:**

Marks are updated often and once a month, I will send progress reports home. If a student or parent would like an additional progress report, just ask!

If there are any questions or concerns feel free to email me at [kcolpitts@sd48.bc.ca](mailto:kcolpitts@sd48.bc.ca) *Email is the most efficient means of communication.*

*Students please have your parent/guardian read over this course outline and the class expectations. Discuss the outline and sign the form afterwards. Keep this outline in the front of your Earth Science 11 binder.*

<b>I have read the course outline for Earth Science 11 and fully understand the class expectations; I agree to follow the class rules.</b>	
<b>Student Name (printed):</b>	<b>Student Signature:</b>
<b>I have read the course outline and understand the classroom expectations of my student.</b>	
<b>Parent Name (printed):</b>	<b>Parent Signature:</b>