



LG #1: Introduction to Geology

Welcome to the course that rocks the most in earth sciences. You are about to embark on an incredible journey into the study of the planet on which you live. You will explore its composition, the processes which have made it what it is today, and how we interact with it.

KEYS TO SUCCESS IN THIS COURSE:

- Complete all the LG assignments on or before the recommended course deadlines.
- Attend all your weekly set class blocks. If you happen to miss one, see your teacher as soon as possible.
- Complete your journal entries and prepare well for your one-on-one interviews with your teacher for each LG.
- See your teacher during shared open work blocks on a regular basis.

Fundamental Knowledge (I know):

- Describe geology as a discipline.
- Describe three aspects of geology that makes it different from other sciences.
- Compare and evaluate various careers associated with geological technologies and sciences.

Curricular Competencies (I can)

	Proficiency Scale Teacher and Student self assessment (Circle one)	Example	Evidence (How do you know?)
Connect scientific explorations to careers in science.	Emerging (C-/C) Initial Understanding	Completed Activity #1 – Journal with fundamental knowledge and vocabulary (in your words).	
	Developing (C+/B) Partial/Near Complete Understanding	Completed Activity #1 – Journal with fundamental knowledge and vocabulary (in your words with details). Completed Activity #2 – “So, You Want to Be a Geologist?”	
	Proficient (B+/A) Complete Understanding	Completed Activity #1 – Journal with fundamental knowledge and vocabulary (in your words, with details). Activity #2 “So, You Want to Be a Geologist?” is completed and well-organized with many details and creativity shown.	
	Extending (A+) Sophisticated Understanding		

Student Signature:

Teacher Signature:

Date:

Resources can be found at www.THSSscience.com

User: THSS

Password: science

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Learning Activities:

RESOURCES

1. Text: **Physical Geology & the Environment**
2. Online Resources: **Multiple (your choice!)... *do not use Wikipedia, ChatGPT, etc. as a main source.***

What is a Journal for this course and what do I need to do?

It is very important in this course that you ACTIVELY READ the text (read a section with a pen and paper at hand, putting down important information). Part of the evaluation of this course will consist in you keeping a neat, organized JOURNAL. The learning guides will refer to your entrees frequently, but you are encouraged to make your own entries. For your journal to be meaningful to you, your journal entries should be in your own words. Copying information directly out of the text, will be useless and a waste of your time if it has no meaning to you. The journal will be an important tool to help you prepare for the LG interviews.

Activity #1: Journal

1. Refer to your text **Physical Geology & the Environment** Ch.1 Introduction to Physical Geology and the Environment and **Read pages 1 - 19**. We will go into more detail on the topics mentioned here later in the course, but the chapter gives a nice introduction to the discipline of Geology.

You can also check out the online resources listed above and/or find your own to help research the definitions below.

2. In your journal:
 - Define the following terms: *geology, geologist, geoscientist, geomatician, and scientific method.*

Activity #2: So, You Want to Be a Geologist?

1. A great variety of jobs and careers are available through the geosciences. Through a variety of resources such as the textbook and the internet, make a list of as many different jobs/careers in the field of Geology as you can.
2. Create a job description/poster advertising one of the topics you have discovered. There are some examples in your textbook, but you may use other resources. Your advertisement should include:
 - a job title
 - a brief description of what the job entails (3 - 4 sentences)
 - the locations involved in doing this job
 - qualifications of applicants
 - an approximate annual salary and/or benefits, if available.

