

Teacher(s):	<h1 style="margin: 0;">The Course Organizer</h1>	Student:
Time: 2020-2021		Course Dates:

☐ This Course: 7th Grade Science

is about Continuing to explore the nature of science and how it relates to physical, life, and earth science including how they are connected and dependent on each other.

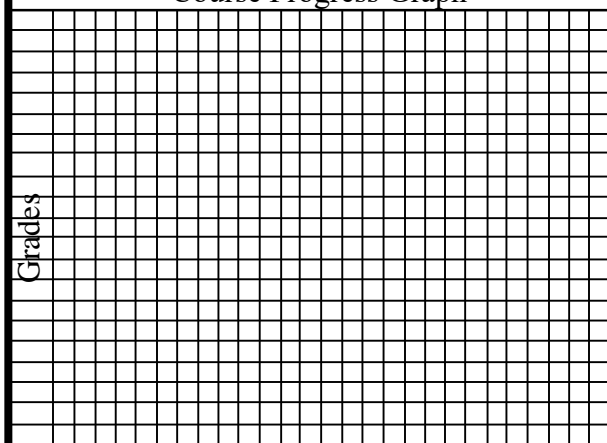
☐ Course Questions:

1. How is replication different from repetition?
2. How would the scientific method be applied in order to plan and carry out an experiment?
3. How can scientific thinking and the inquiry process help me solve problems and make me a better citizen.
4. How does the patterns within the rock cycle relate to weathering, erosion, plate tectonics, and mountain building?
5. Why do humans have an impact on Earth?
6. How does physical evidence support that Earth has changed over time due to natural processes?
7. Why does light, sound, and other waves travels at different speeds in different mediums? Describe the relationship between wavelength and energy.
8. How does genetic variation and environmental factors contribute to evolution by natural selection and diversity of organisms?
9. How does sexual and asexual reproduction relate to heredity and ecology?
10. How do living organisms relate to energy on our planet?

☐ Course Standards:

What?	How?	Value?
Content:		
1. Understanding Big Ideas	Unit Tests	50%
	Quizzes	
2. Providing Examples & Details	Daily Work & Projects	50%
	Homework	

Course Progress Graph



Assignments

Course Map

This Course:

7th Grade Science

Student:

includes

○ Community Principles

Collaboration
Accountability
Respect
Empathy
Support

○ Learning Rituals

Labs	Frame
Interactive Notebook	Course Organizer
Foldables	Unit Organizer
Bell Work	

○ Performance Options

Project Choices
Rubrics
Written Tests
Group Work

○ Critical Concepts

Energy Transformations
Variables
Human Impact
Waves
Symbiosis Cycle
Heat

○ Learned in these Units

Dynamic Earth

Evolutionary Theory

Heredity and Reproduction

Interdependence of Organisms

Thermal Energy

Light Energy