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CW Middle School
Science 8 B

1. **Geologic Time (25.00%)**

Learning Targets

1.1 **I can determine what fossils and relative ages of rocks reveal about Earth's past.**

Learning Target	Descriptor	Definition
4	Proficient	I can determine what fossils and relative ages of rocks reveal about Earth's past.
3	Developing	I can interpret the relative age of rock based on the rock record.
2	Basic	I can analyze the position of rock layers.
1	Minimal	I can identify fossils and how they form.
0	No Evidence	No evidence shown.

1.2 **I can describe the major geologic events that occurred in Earth's history and assess how environmental change has affected the geologic time scale.**

Learning Target	Descriptor	Definition
4	Proficient	I can describe the major geologic events that occurred in Earth's history and assess how environmental change has affected the geologic time scale.
3	Developing	I can interpret major geologic events based on fossil evidence.
2	Basic	I can analyze the causes of mass extinctions.
1	Minimal	I can identify how the geologic time scale was developed.
0	No Evidence	No evidence shown.

2. **Oceans (25.00%)**

Learning Targets

2.1 **I can tell where Earth's water is distributed, explain how it moves through the water cycle and describe why its unique properties make it important for life on Earth.**

Learning Target	Descriptor	Definition
4	Proficient	I can tell where Earth's water is distributed, explain how it moves through the water cycle and describe why its unique properties make it important for life on Earth.
3	Developing	I can interpret the unique properties of water.
2	Basic	I can explain how water cycles on Earth.
1	Minimal	I can define key terms associated with Earth's water.

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Learning Target	Descriptor	Definition
0	No Evidence	No evidence shown.

2.2 I can identify the characteristics and structure of the oceans.

Learning Target	Descriptor	Definition
4	Proficient	I can identify the characteristics and structure of the oceans.
3	Developing	I can determine the causes of ocean waves and tides.
2	Basic	I can identify the major types of ocean currents and relate these to global weather and climate.
1	Minimal	I can relate ocean temperature, salinity, and density to the ocean's structure.
0	No Evidence	No evidence shown.

2.3 I can understand the effects of global climate change on marine ecosystems and develop and present a plan to clean up and keep the oceans healthy.

Learning Target	Descriptor	Definition
4	Proficient	I can understand the effects of global climate change on marine ecosystems and develop and present a plan to clean up and keep the oceans healthy.
3	Developing	I can develop a plan to help clean up the oceans.
2	Basic	I can identify how human activity negatively impacts the oceans.
1	Minimal	I can describe factors that contribute to climate change.
0	No Evidence	No evidence shown.

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3. **Freshwater (25.00%)**

   Learning Targets

   3.1 **I can explain the importance of freshwater in its various locations and how humans and other life depend on it.**

Learning Target	Descriptor	Definition
4	Proficient	I can explain the importance of freshwater in its various locations and how humans and other life depend on it.
3	Developing	I can describe groundwater formation and its value in society.
2	Basic	I can relate the importance of wetlands to our ecosystems.
1	Minimal	I can describe the importance of watersheds, streams, and lakes.
0	No Evidence	No evidence shown.

   3.2 **I can develop and present a logical argument providing solutions to protect our freshwater resources.**

Learning Target	Descriptor	Definition
4	Proficient	I can develop and present a logical argument providing solutions to protect our freshwater resources.
3	Developing	I can identify the need to protect our freshwater sources.
2	Basic	I can identify pollutant sources and ways to reduce it.
1	Minimal	I can identify the characteristics of healthy and unhealthy water.
0	No Evidence	No evidence shown.

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4. **Earth & The Solar System (25.00%)**

Learning Targets

4.1 I can develop and use a model of the Sun-Earth-Moon system to describe the cyclic patterns of lunar phases, eclipses of the Sun and Moon, and seasons.

Learning Target	Descriptor	Definition
4	Proficient	I can develop and use a model of the Sun-Earth-Moon system to describe the cyclic patterns of lunar phases, eclipses of the Sun and Moon, and seasons.
3	Developing	I can describe the lunar phases and what causes these to occur.
2	Basic	I can describe the factors that keep the Moon and Earth in orbit.
1	Minimal	I can develop a model of the Sun-Earth-Moon system.
0	No Evidence	No evidence shown.

4.2 I can identify and discuss the structure of our solar system.

Learning Target	Descriptor	Definition
4	Proficient	I can identify and discuss the structure of our solar system.
3	Developing	I can discuss how dwarf planets, comets, and asteroids differ from planets in our solar system.
2	Basic	I can identify the common and individual characteristics of the inner and outer planets in our solar system.
1	Minimal	I can describe terminology relevant to our solar system.
0	No Evidence	No evidence shown.

Submitted on 10/18/2021 by Matt Buchman