MYP Subject Area: Sciences								
Unit Title	**Key Concept**	**Related Concept**	**Global Context**	**Statement of Inquiry**	**Subject Objectives and Strands**	**Overview of Summative Assessment Task**	**Approaches to Learning**	**Content**
Introduction to Science (Lab Safety, Scientific Method, Metric System)	Process	Patterns	Scientific and Technical Innovation	Knowledge of the metric system, lab safety rules, and the scientific method allow scientists to conduct accurate and safe experiments.	B: Inquiring and Designing (i, ii, iii, iv)	Demonstration of safety skills, scientific method, and the metric system through a lab.	Organization	Lab Safety, Metric System, Scientific Method
A- Studying Soils Scientifically	Process	Patterns, Evidence	Scientific and Technical Innovation	The decision making process consists of analyzing options, collecting data, and providing evidence for a given solution.	A: Knowing and Understanding (i, ii, iii)	Letter to the principal arguing how the soil in the school garden should be fixed.	Collaboration	Soil, Scientific Method
B/C- Rocks and Minerals & Erosion	Relationships	Transformation, Interaction	Scientific and Technical Innovation	Erosion, deposition, rocks, and minerals are all connected as a part of earth's processes that change over time.	A: Knowing and Understanding (i, ii, iii)	Concept map	Communication	Rocks, Minerals, and Erosion
D- Plate Tectonics	Change	Models, Evidence, From	Orientation in Time and Space	Creating models of Earth processes allows us to use evidence in order to make informed decisions about locations on Earth.	D: Reflecting on the impacts of science (i, ii, iii)	Argument paper: describing where the nuclear waste should be buried and why that location is better than the other two.	Reflection	Plate Tectonics: Earthquakes, Volcanoes, Mountains
E- Weather and Atmosphere	Systems	Transformation, Movement	Globalization and Sustainability	Weather systems and humans influence each other and impact the future of our planet.	D: Reflecting on the impacts of science (i, ii, iii, iv)	City Proposal identifying how population growth is affecting weather, climate, and the atmosphere.	Critical Thinking	Weather, Climate, Atmosphere
F- The Earth in Space	Relationships	Interaction, Function, Movement	Orientation in Time and Space	Knowledge of the relationships between the earth, sun, and moon helps us understand our length of days and years, our seasons, and the moon's tides.	C: Processing and evaluating (i, ii, iii, iv, v)	Poster/Ppt/Diarama: Create a visual of an assigned imaginary planet. Use data to determine the planet's length of day, year, seasons, tides, and how this compares to earth.	Information Literacy	Sun, Moon, Earth

G- Exploring The Solar System	Systems	Models, Interaction	Orientation in Time and Space	Information about the planets and other space objects, as well as history about space travel informs where our future focus should be in terms of space exploration.	C: Processing and evaluating (i, ii, iii, iv, v)	Create a plan for NASA to implement for future space travel. Include information known about planets and space exploration as well as what they should focus on in the future. Use evidence to support your ideas.	Media Literacy	Solar System