

Subject Grade	Science	Q#	Learning Outcome (as it appears in the textbook/LMS/SoW)	Textbook Reference Example(s)	Texbook Page(s)
Stream	Elite	1	Explore how the continents have moved over time on Earth's surface. They will analyze and interpret data and identify patterns of the distribution of fossils and rocks, continental shapes, landmasses, glacial features, and climate to provide evidence of past plate motions	U4M2L1: Moving Continents, Assessment Bank-Lesson check Q1	Page 69
Number of Questions	25	2	Explore how the continents have moved over time on Earth's surface. They will analyze and interpret data and identify patterns of the distribution of fossils and rocks, continental shapes, landmasses, glacial features, and climate to provide evidence of past plate motions	U4M2L1: Moving Continents, Assessment Bank-Lesson check Q3	Page 71
		3	Explore the development of the theory of plate tectonics. They will analyze and interpret data and identify patterns based on the locations of sea floor structures and the ages of rocks to provide evidence of past plate motions.	U4M2L2: Development of a Theory , Investigation- Stripes on the Seafloor Q4.	Page 85
Type of Questions	Multiple Choice	4	Explore how the movement of plates forms mountain ranges and volcanoes and causes earthquakes. They will construct explanations, develop, and use models, and identify patterns to understand how plates move and interact.	U4M2L3: Shaping Earth's Surface, G7 EOT2 Reference pdf Q1	Pdf Q1
		5	Explore how the movement of plates forms mountain ranges and volcanoes and causes earthquakes. They will construct explanations, develop, and use models, and identify patterns to understand how plates move and interact.	U4M2L3: Shaping Earth's Surface , Ask Q1(Teacher edition)	Page 106 (Teacher edition)
Calculator		6	explore the processes of melting, crystallization, weathering, deformation, and sedimentation, which act together to form minerals and rocks through the cycling of Earth's materials.	U4M2L5: The Cycling of Earth's Materials Three-Dimensional Thinking Question 1	Page 165
Marks per Question	5	7	Discover how earthquakes are measured and recognize the factors that affect the severity of damage caused by an earthquake.	U4M4L1: Earthquakes Risks Math connection Q2	Page 273
		8	Discover how earthquakes are measured and recognize the factors that affect the severity of damage caused by an earthquake. Analyze and interpret data related to earthquake risk and use maps to understand the patterns scientists use to predict the likelihood of future events.	U4M4L1: Earthquakes Risks, LAB, Q1	Page 275
Maximum Overall Grade	100*	9	Discover that scientists can reliably predict some natural hazards, such as volcanic eruptions, by analyzing and monitoring geologic forces in a region and by analyzing the region's past patterns of volcanic eruptions.	U4M4L2: Volcanoes Risks, Investigation-Volcanoe patterns Q1	Page 300
		10	Analyze and interpret data related to volcano risk and will learn about the technologies used to mitigate the impacts of a volcanic eruption.	U4M4L2: Volcanoes Risks,Assessment Bank-Lesson check Q4	Page 305
Exam Duration Mode of Implementation	90 minutes SwiftAssess	11	Students will analyze and interpret data on natural hazards to forecast future catastrophic events and inform the development of technologies to mitigate their effects.	U4M4L3: Severe Weather Risks, Investigation,Gone with the wind,Q1	Page 330
		12	Analyze and interpret data to determine the risk of severe weather in different regions and use maps to understand the patterns scientists use to predict the likelihood of future events.	U4M4L3: Severe Weather Risks, Teacher Edition book ASK 1	Page 348(Teacher Edition)
		13	Students will recognize the factors that determine whether a resource is renewable or nonrenewable, and model the depletion of a nonrenewable resource.	U4M3L1: Natural Resources, Three dimensional thinking question Q4	Page 207
		14	Explore how the continents have moved over time on Earth's surface.	U4M2L1: Moving Continents, G7 EOT2 reference pdf Q5	Pdf Q5
Notes:  * Best 20 answers out of 25 will count. Example: 14 correct answers yield a grade of 70/100, while 20 and 23 correct answers yield a (full) grade of 100/100 each.		15	Analyze and interpret maps and other data to recognize patterns in the distribution of resources. Students will discover that Earth's resources, including minerals, soil, fossil fuels, and groundwater, are distributed unevenly around the planet.	U4M3L2: Distribution of Resources, Review Q1	Page 232
		16	Learn how humans extract and obtain natural resources. They analyze patterns and systems to construct explanations about the cause-and-effect relationship between the use of resources and the distribution and availability of resources.	U4M3L3: Depletion of Resources, G7 EOT2 reference pdf Q2	Pdf Q2
		17	Learn how human population has increased over time. They will investigate the factors that affect the growth of human populations and engage in scientific arguments about the cause- and-effect relationship between human population growth and increased consumption of resources.	U3M2L1: Human Population Growth, Investigation-Increasing and Decreasing Population	Page 123
		18	Learn how people use resources and how increased consumption of resources affects Earth's systems. They will use evidence to explain how activities and technology can mitigate the negative impacts on Earth.	U3M2L2: People and the Environment, G7 EOT2 reference pdf Q3	Pdf Q3
		19	Explore how the movement of plates forms mountain ranges and volcanoes and causes earthquakes. They will construct explanations, develop, and use models, and identify patterns to understand how plates move and interact. explore how the movement of plates forms mountain ranges and volcanoes and causes earthquakes. They will construct explanations, develop, and use models, and identify patterns to understand how plates move and interact.	U4M2L3: Shaping Earth's Surface, G7 EOT2 reference pdf Q4.	Pdf Q4,Page 114
		20	Explore the processes of melting, crystallization, weathering, deformation, and sedimentation, which act together to form minerals and rocks through the cycling of Earth's materials.	U4M2L5: The Cycling of Earth's Materials, G7 EOT2 reference pdf Q6.	Pdf Q6, Page 170
		21	Students will construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.	U4M2L3: Shaping Earth's Surface, Teacher Edition ASK	Page 115
		22	Explore the processes of weathering, erosion, and deposition, which shape Earth's surface.	U4M2L4: Changing Earth's Surface, Teacher Edition ASK	Page 128
		23	Explore the processes of weathering, erosion, and deposition, which shape Earth's surface.	U4M2L4: Changing Earth's Surface, Teacher edition, Ask,Q8	Page 125
		24	Construct explanations based on evidence of how these geoscience processes have changed Earth's surface at varying time and spatial scales.	U4M2L4: Changing Earth's Surface, Teacher Edition ASK	Page 136
** Questions might appear in a different order in the actual exam.		25	Construct explanations based on evidence of how these geoscience processes have changed Earth's surface at varying time and spatial scales.	U4M2L4: Changing Earth's Surface, Three-Dimensional Thinking Question	Page 137

**Note:**

1. All units, modules and lessons are from the Scope and Sequence uploaded in LMS.
2. All LO's are from the Inspire Science Earth and Space Textbook(Teacher Edition) is provided as additional information.
3. ALL references are from the McGraw Hill Inspire website, Inspire Science 2020 ELP Grades 6-8, Inspire Science Earth and Space.