



Unit Name and Number	Week No.	Content Headings	Key Sub-Topics / Context / Vocabulary	Projects / Graded Assignments	Question Style for Exam	Justification for Exam Content: Bloom's Taxonomy	Government Objectives
Electricity 5	1	Static electricity and Electric Current. Activities: 5.1 Components of a Simple Electric Circuit.	Electricity, electric current, open circuit, closed circuit, short circuit, resistors, voltmeter, voltage, ammeter, potential difference, switch, bulb, ampere.	Draw electrical symbols. Pages: 156 - 161 (10 points for each objective)	Short Answers -Fill in the blank	Analyse Presents Open-ended questions that require students to create an answer. It tests the student's ability to remember, understand, analyze information and apply it to the question.	SC5.1 Gr 6/1 Experiment and explain connecting a simple electrical circuit
Electricity 5	2	Electrical conductors and insulators Activities: 5.2 Electric conductors and Insulators.	Conductivity, metal, Insulators, plastic, conductors, copper wire	Experiment with circuits and group objects into insulators and conductors. Pages: 161 - 165 (10 points for each objective)	Short answers -Fill in the blank	Analyse It presents divergent thinking and convergent thinking questions that require students to choose from a list of possible answers with one correct answer, and two to four "distractor" choices that are not correct. It tests student's ability to remember, understand, analyze and apply it to the question.	SC5.1 Gr 6/2 Experiment and explain electrical conductors and insulators.
Electricity 5	3	Electric Power Sources 5.1.5 Electric Circuit Cnnection. Activities: 5.3 Series and Parallel Electric Circuits.	Voltmeter, voltage, ammeter, potential, Electricity, electric current, open circuit, closed circuit short circuit, resistors, difference, switch, bulb, ampere, series, parallel connection, cell, battery	Draw circuit diagrams. Setup series and parallel connections. Pages: 165 - 178 (10 points for each objective)	Short Answers - draw and label a diagram	Create Presents open-ended questions that require students to create, design a diagram and label it. It tests student's ability to remember, understand, analyze, evaluate, create and apply the information to the question.	SC5.1 Gr 6/3 Experiment and explain a series connection of cells, and apply the knowledge gained for useful purposes. SC5.1 Gr 6/4 Experiment and explain connection of bulbs in both series and parallel circuits, and apply the knowledge gained for useful purposes



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Electricity 5	4	Electromagnetism Activities: 5.5 Electromagnets	Attraction, repulsion, Electromagnets, magnetic force, magnetic field, magnets, north pole	Experiment on magnets and electromagnets. Pages: 179 - 183 (10 points for each objective)	Multiple choice questions	Analyse It presents divergent thinking and convergent thinking questions that require students to choose from a list of possible answers with one correct answer, and two to four "distractor" choices that are not correct. It tests student's ability to remember, understand, analyze and apply it to the question.	SC5.1 Gr 6/5 Experiment and explain origin of a magnetic field produced when electric current is present in a wire, and apply the knowledge gained for useful purposes.
Electricity 5	5	Household Electricity Use Activities: Survey Household Electricity Usage.	Consumption, current, electric motor, electric power, kilowatt, electricity, meter, bill	Survey on the power consumption household electrical appliances. End of unit quiz. Pages: 184 - 191 (10 points for each objective)	Short answers -Fill in the blank	Analyse Presents Open-ended questions that require students to create an answer. It tests the student's ability to remember, understand, analyze information and apply it to the question.	
Rocks and Changes in the Earth's Crust 6	6	Characteristics, Forms, Components and Properties of Rocks Activities: 6.1 Characteristics of Local Rocks	Rocks, igneous rock, sedimentary rocks, Metamorphic rocks, granite, limestone, magma, lava,	Survey on rock types found in their local community. Pages: 194 - 196 (10 points for each objective)	Multiple choice questions	Analyse It presents divergent thinking and convergent thinking questions that require students to choose from a list of possible answers with one correct answer, and two to four "distractor" choices that are not correct. It tests student's ability to remember, understand, analyze and apply it to the question.	SC6.1 Gr 6/1 Explain and classify rocks by using their characteristics and properties as criteria, and apply the knowledge gained for useful purposes.



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Rocks and Changes in the Earth's Crust 6	7& 8	Types of Rocks, Their Occurrence, and their Uses.				Apply	
		Activities: 6.2 Classification of Rocks 6.3 The Rock Cycle	Rock cycle, erosion, weathering, volcanic eruption, earthquake, igneous rock, sedimentary rocks,	Classify Rocks according to their characteristics. Draw and label the rock cycle. Pages: 196 - 207 (10 points for each objective)	Short Answers - Labeling diagrams with answers in a word pool	Presents questions that require students to choose the most appropriate answer from a word pool to label a diagram. It tests student's ability to remember, understand and apply the information to the question.	SC6.1 Gr 6/2 Explore and explain changes of rocks. SC6.1 Gr 6/3 Search for data and explain geological disasters affecting human beings and the environment in the local area.
Mid-term Review	9	Rewiew for mid-term exams	Word drilling				
		Review for mid-term exams		Defining words and spellings.	N/A	N/A	N/A
Mid-term exam	10	Mid-term exams	Word drilling				
		Mid-term exams		Defining words and spellings. 20 points	N/A	N/A	N/A



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Rock and Earth crust Transformation 6	11	The Earth Transformation Activities: Learning Activities: The earth transformations	Earth, core, mantle, crust, inner core, outer core, transformation Mountains, valleys, highlands, earthquake, faults, seismograph		Short Answers -Fill in the blank	Analyse Presents Open-ended questions that require students to create an answer. It tests the student's ability to remember, understand, analyze information and apply it to the question.	SC6.1 Gr 6/3 Search for data and explain geological disasters affecting human beings and the environment in the local area.
Rock and Earth crust Transformation 6	12	Changes Within and on the the surface of Earth Activities: 6.2.1 Composition of the Earth 6.2.2 Geohazards Affecting People and the Environment. Activity 6.4: Geohazards in Our Local Area. Activity 6.5 : Changes of Rock by the Action of Water. Activity 6.6: The Erosion of Limestone 6.3.2 The Erosion Process.	Wind weathering, erosion, water erosion, Igneous rocks, extrusiveigneous rocks, , richter scale, flood, landslide, tsunami, weathering, wind erosion, glacier	Group discusion on erath's transformation. End of unit quiz. Pages: 208 - 229 (10 points for each objective)	Short answers -Fill in the blank with answers in a word pool	Apply Presents questions that require students to choose the most appropriate answer from a word pool. It tests student's ability to remember, understand information and apply it to the question.	SC6.1 Gr 6/3 Search for data and explain geological disasters affecting human beings and the environment in the local area.



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The Phenomena of the Earth 7	13	The Occurrence of Seasons Activities: when do different seasons happen?	Dry season, rainy season, Seasons, winter, snow summer, spring, autumn	A survey on seasons around the world. Pages: 232 - 236 (10 points for each objective)	Multiple choice questions	Analyse It presents divergent thinking and convergent thinking questions that require students to choose from a list of possible answers with one correct answer, and two to four "distractor" choices that are not correct. It tests student's ability to remember, understand, analyze and apply it to the question.	SC7.1 Gr 6/1 Make a model and explain formation of seasons, waxing and waning of the moon, solar eclipses and lunar eclipses, and apply the knowledge gained for useful purposes.
The Phenomena of the Earth 7	14	The Phases of the Moon Activities: 7.1 The Occurrence of the Phases of the Moon	New moon, waxing, waning, sun, moon, Crescent, new half, new gibbous, full, old gibbous, old half, old crescent,	Make a model of the phases of the moon. Pages: 237 - 242 (10 points for each objective)	Short Answers - Labeling diagrams with answers in a word pool	Apply Presents questions that require students to choose the most appropriate answer from a word pool to label a diagram. It tests student's ability to remember, understand and apply the information to the question.	SC7.1 Gr 6/1 Make a model and explain formation of seasons, waxing and waning of the moon, solar eclipses and lunar eclipses, and apply the knowledge gained for useful purposes.



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The Phenomena of the Earth 7	15	Lunar and Solar eclipses Activities: 7.2 The Occurrence of the Lunar Eclipse	Solstices, eclipses, earth, daytime, night-time, Hemisphere, solar eclipse, lunar eclipse, rotation of the earth	In groups draw the diagram of solar and lunar eclipses. End of unit test. Pages: 243 - 251 (10 points for each objective)	Short answers -Fill in the blank.	Analyse Presents Open-ended questions that require students to create an answer. It tests the student's ability to remember, understand, analyze information and apply it to the question.	SC7.1 Gr 6/1 Make a model and explain formation of seasons, waxing and waning of the moon, solar eclipses and lunar eclipses, and apply the knowledge gained for useful purposes.
Space Technology 8	16	Space technology 8.1.1 The Advancement of Space Technology	Gravity, Earth, atmosphere, space, space explorer, astronauts, astronomers	Students will name the types of telescopes. Create a simple refractor telescope. Pages: 254 - 257 (10 points for each objective)	Multiple choice questions	Analyse It presents divergent thinking and convergent thinking questions that require students to choose from a list of possible answers with one correct answer, and two to four "distractor" choices that are not correct. It tests student's ability to remember, understand, analyze and apply it to the question.	SC7.2 Gr 6/1 Search for data and discuss progress and benefits of space technology.
Space Technology 8	17	Movement of the Rocket Activities: 8.1 The Movement of the Rocket.	Satellite, Space, rockets, space shuttle, space station , spacecraft, astronaut, telescope	Group discussion on Space technology. Make a model rocket using balloons and othe materials. Pages: 257 - 264 (10 points for each objective)	Short answers -Fill in the blank with answers in a word pool	Apply Presents questions that require students to choose the most appropriate answer from a word pool. It tests student's ability to remember, understand information and apply it to the question.	SC7.2 Gr 6/1 Search for data and discuss progress and benefits of space technology.



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Space Technology 8	18	Benefit of Space Technology				Analyse	
		Activities: 8.2 The Benefit of Space Technology.	Thicom, sputnik, tiros, Weather, observation, communication, telecom	Use the internet to find the various uses of space technology. Open discussion on the benefits space technology. End of unit test Pages: 265 - 271 (10 points for each objective)	Short answers -Fill in the blank	Presents Open-ended questions that require students to create an answer. It tests the student's ability to remember, understand, analyze information and apply it to the question.	SC7.2 Gr 6/1 Search for data and discuss progress and benefits of space technology.
Mid-term Review	19	Rewiew for final exams					
		Review for final exams	Word drilling	Defining vocabulary words and spellings.	N/A	N/A	N/A
Mid-term exam	20	Final exams					
		Final Exam	Word drilling	Defining vocabulary words and spellings. 30 points	N/A	N/A	N/A