



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
Forces in Daily lives 3	1	Forces in Our Daily Lives 3.1.1 Net Force Activity: 3.1 The Result of Two Forces Applied to an Object	Force, Pull, push, attraction, push, pull, net force, resultant force, newton, friction, motion	Describe the forces acting on an object. Pages: 84 - 86 (10 points fo each objective)	Short Answers -Fill in the blanks. Multiple choice Questions.	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.	Sc4.1 Gr5/1 Experiment and explain finding resultant force of two paralel forces acting on objects
Forces in Daily lives 3	2	Friction and Motion of an Object 3.1.2 Frictional Force and Motion of an Object Activity: Learning activities: Friction and motion of and Its Surface	Surface, Friction, motion, contact, friction, motion, gravitational force, driving force, surface, rough, slipery, smooth, objects, rubbing	Observe and explain the motion of materials with different surfaces. Pages: 87 - 90 (10 points for each objective)	Short Answer - Calculation Multiple choice Questions.	Analyse Present a statement which includes variables from a formula that is being assessed. It tests student's ability to remember informations, understand, analyze the given variables and apply them to get the unknown or desired variable.	Sc4.2 Gr 5/1 Experiment and explain frictional forces and apply the knowledge gained for usefull purposes
Forces in Daily lives 3	3	Air Pressure and Liquid Pressure Activities: 3.3 Air pressure 3.4 Liquid pressure	Air pressure, liquid pressure, rise, escape, diver, dam ,upthrust, air resistance, pressure, air, particles, direcion	Demonstrate air and liquid pressure. Pages: 91 - 96 (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.	Sc4.1 G5/2 Experiment and explain air pressure Sc4.1 Gr5/3 Experiment and explain liquid pressure



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Forces in Daily lives 3	4	How objects sink or float Activities: 3.5 Objects that Float or Sink. Factors Affecting Whether an Object Floats or Sinks.	Objects, Float, sink, upthrust, heavy, light, weight, mass, liquid, density, buoyancy	Experiment and explain why objects sink or float in water. Pages: 95 - 105 (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.	Sc4.1 Gr 5/4 Experiment and explain buoyant forces of liquid, floating and sinking of objects.
Water, Sky and Stars 5	5	Weather Activity: 5.1.1 The Atmosphere 5.1 Air temperature	Air resistance, Air, atmosphere, pressure, barometer, altimeter altitude meter Snow, hail, dew, fog, clouds, cirrus/ high clouds, middle clouds,	Explore and find out the relationship between clouds and weather conditions. Page: 144 - 147 (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 G 5/1 Explore, experiment and explain formation of clouds, mist, dew, rain and hail
Water, Sky and Stars 5	6	Amospheric pressure Factors That Affect Air Pressure. Measuring Air Pressure Activities: 5.2 Making a Simple Barometer. 5.3 Measuring Air Humidity.	Air, Humility, vapour, water, Atmosphere, weather, Climate, pressure, pressure guage	Make a models of an instruments used to measure air pressure. Pages: 148 - 156 (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.	Sc6.1 Gr 5/3 Design and make simple instruments for measuring temperature, humidity, and air pressure



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Water, Sky and Stars 5	7	Natural phenomena related to water cycle				Understand	
		5.1.2 The Water Cycle Water Cycle Factors Activity: 5.4 The Movement of Water in the Water Cycle. 5.5 Observing clouds in the sky. 5.6 Making a Rain Measurement Tool.	Saturated air, air humidity, humid air, water vapour, dry air, measuring, temprature, air	A presentation on water cycle. Making a model of a rain guage. Pages: 157 - 164 (10 points for each objective)	Matching question - paired lists. Multiple choice questions.	Involve paired lists that require students to correctly identify, or “match,” the relationship between the items. It tests student’s ability to remember and understand information in order to make correct links	Sc6.1 Gr 5/2 Experiment formation of the water cycle
Water, Sky and Stars 5	8	Wind and Its Uses				Analyse	
		Activities: 5.7 How is Wind Produced? Measuring the Direction and the Speed of Wind. 5.1.4 Meteorology and Weather Forecasting. 5.2 The Rising and Setting of Stars in the Night Sky.	Movement, Snow, hail, dew, fog, clouds, cirrus, high, wind, sea breeze, land breeze, zodiac, Azimuth, clockwise, range, perprndicular,	Reading directions using the position of the sun (sunriset or sunset). Demonstrate the formation and movement of wind. Pages: 165 - 187 (10 points for each objective)	Matching question - single list	Involve a single list of description that require students to correctly identify, or “match,” the descriptions to the correct vocabulary words. It tests student’s ability to remember, understand, analyze and apply the information in order to create correct word that matches the description.	Sc6.1 Gr 5/4 Experiment and explain the formation of wind, and put it into practice Sc7.1 Gr 5/1 Observe and explain the formation of directions (north, south, east, west) and the phenomena of the rising and falling of stars using star chart



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Review for Mid-term	9	Review for Mid-term exams	Word drilling				
3		Review for mid-term exams		Defining vocabulary words and spelling. 20 points	N/A	N/A	N/A
Mid-term exams	10	Mid-term exams	Word drilling				
		Mid-term exams		Defining vocabulary words and spelling. 20 points	N/A	N/A	N/A
Sound and Hearing	11	The Production of Sound				Analyse	
6		Activities: 6.1 The Production of Sound.	Sound, objects, movements, speed, fast, vibration, source, production, hear, ear	Production of different sounds using objects. Pages: 190 - 193 (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.	Sc5.1 Gr 5/1 Experiment and explain origin and propagation of sound.
Sound and Hearing	12	Movement of sound				Analyse	
6		Activities: 6.2 The Movement of Sound Through a Medium.	Water, air, vacuum, straight line, wave, Movement, waves, medium, particles, travel	Describe how sound travels through solids, liquids and gases. Pages: 194 - 196 (10 points for each objective)	Matching question - single list	Involve a single list of description that require students to correctly identify, or "match," the descriptions to the correct vocabulary words. It tests student's ability to remember, understand, analyze and apply the information in order to create correct word that matches the description.	



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Sound and Hearing 6	13	Volume Activities: 6.3 Whose Drum is Louder?	Sound volume, loudness, sound source, distance, softness.	Experiment using drums and draw conclusions about loud and soft sounds. Pages: 197 (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 5/3 Experiment and explain loud and soft sound
Sound and Hearing 6	14	Pitch Activities: 6.4 High Pitch and Low Pitch	Vibration, density, object, Pitch, high pitch, low pitch, volume, sound volume, loud sound, soft sound	Produce high and low pitch sounds by varying characteristics of different objects. Pages: 199 - 202 (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 G 5/2 Experiment and explain origin of high pitched and low pitched sound
Sound and Hearing 6	15&16	Hearing Activities: The human ear.	Outer ear, eardrum, middle ear, inner ear, sonar, range, sound meter, decibel, nerve cell	Describe how the human ear works. Pages: 202 - 204 (10 points for each objective)	Short Answers -label a diagram 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.	



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Sound and Hearing 6	17&18	Dangers of Loud Sounds Activities: 6.5 Dangers of Loud Sounds	Danger, Loudness, sound meter, decibel, sound pollution, prevention, loud sound, high pitch	Group debate on the effects of loud sound. Pages: 205 - 212 (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 5/4 Explore and discuss detrimental effects of listening to excessively loud sounds
Sound and Hearing 6	19	Review for final exams Review final exams	Word drilling	Defining vocabulary words and spellings.	N/A	N/A	N/A
Sound and Hearing 6	20	Final exams Final exams	Word drilling	Defining vocabulary words and spellings. 30 points	N/A	N/A	N/A