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Most Essential Learning Competencies (MELCs)



4th	weathering and soil erosion shape the Earth's surface and affect living things and the environment	participate in projects that reduce soil erosion in the community	Describe how rocks turn into soil	Week 1	S5FE-IVa-1
			Investigate extent of soil erosion in the community and its effects on living things and the environment	Week 2	S5FE-IVb-2
	weather disturbances and their effects on the environment.	prepares individual emergency kit.	Characterize weather disturbances in the Philippines and describe their effects to daily life	Week 3	
	the phases of the Moon and the beliefs and practices associated with it	debug local myths and folklore about the Moon and the Stars by presenting pieces of evidence to convince the community folks	Infer the pattern in the changes in the appearance of the Moon	Week 4	S5FE-IVg-h-7
	constellations and the information derived from their location in the sky.		Identify star patterns that can be seen at particular times of the year	Week 5	S5FE-IVi-j-9

Grade Level: Grade 6

Subject: Science

Quarter	Content Standard	Performance Standard	Most Essential Learning Competencies	Duration	K to 12 CG Code
	<i>The learners demonstrate understanding of...</i>	<i>The learners should be able to...</i>			
1st	different types of mixtures and their characteristics	prepare beneficial and useful mixtures such as drinks, food, and herbal medicines.	Describe the appearance and uses of homogeneous and heterogeneous mixtures	Week 1-3	
	different techniques to separate mixtures	separate desired materials from common and local products.	Describe techniques in separating mixtures such as decantation, evaporation, filtering, sieving and using magnet	Week 4-6	
2nd	how the major organs of the human body work together to form organ systems	make a chart showing healthful habits that promote proper functioning of the	Explain how the organs of each organ system work together	Week 1-2	S6LT-IIa-b-1
			Explain how the different organ systems work together	Week 3	S6LT-IIc-d-2

		musculo-skeletal, integumentary, digestive, circulatory, excretory, respiratory, and nervous systems			
	the different characteristics of vertebrates and invertebrates	1. make an inventory of vertebrates and invertebrates that are commonly seen in the community 2. practice ways of caring and protecting animals	Determine the distinguishing characteristics of vertebrates and invertebrates	Week 4-5	S6MT-IIe-f-3
	the interactions for survival among living and non-living things that take place in tropical rainforests, coral reefs, and mangrove swamps	form discussion groups to tackle issues involving protection and conservation of ecosystems that serve as nurseries, breeding places, and habitats for economically important plants and animals	Discuss the interactions among living things and non-living things in tropical rainforests, coral reefs and mangrove swamps	Week 6	S6MT-IIi-j-5
			Explain the need to protect and conserve tropical rainforests, coral reefs and mangrove swamps	Week 7	S6MT-IIi-j-6
3rd	gravity and friction affect movement of objects	produce an advertisement demonstrates road safety	Infer how friction and gravity affect movements of different objects	Week 1-2	S6FE-IIIa-c-1
	how energy is transformed in simple machines	create a marketing strategy for a new product on electrical or light efficiency	Demonstrate how sound, heat, light and electricity can be transformed	Week 3-5	S6FE-IIId-f-2
			Manipulate simple machines to describe their characteristics and uses	Week 6-7	S6FE-IIIf-i-3
4th	the effects of earthquakes and volcanic eruptions	design an emergency and preparedness plan and kit	Describe the changes on the Earth's surface as a result of earthquakes and volcanic eruptions	Week 1	S6ES-IVa-1

			Enumerate what to do before, during and after earthquake and volcanic eruptions	Week 2	S6ES-IVb-2
	weather patterns and seasons in the Philippines:		Describe the different seasons in the Philippines	Week 3	S6ES-IVc-3
	the earth's rotation and revolution		Differentiate between rotation and revolution and describe the effects of the Earth's motions	Week 5-6	
	characteristics of planets in the solar system		Compare the planets of the solar system	Week 7-8	S6ES-IVg-h-6
			Construct a model of the solar system showing the relative sizes of the planets and their relative distances from the Sun	Week 8	S6ES-IVi-j-7

Grade Level: Grade 7

Subject: Science

Quarter	Content Standard	Performance Standard	Most Essential Learning Competencies	Duration	K to 12 CG Code
	<i>The learners demonstrate understanding of...</i>	<i>The learners should be able to...</i>			
1st	scientific ways of acquiring knowledge and solving problems	perform in groups in guided investigations involving community-based problems using locally available materials	Describe the components of a scientific investigation	Week 1	S7MT-Ia-1
	classifying substances as elements or compounds	make a chart, poster, or multimedia presentation of common elements showing their names, symbols, and uses	Recognize that substances are classified into elements and compounds	Week 2-3	S7MT-Ig-h-5
	the properties of substances that distinguish them from mixtures	investigate the properties of mixtures of varying concentrations using available materials in the	Distinguish mixtures from substances based on a set of properties	Week 4-5	S7MT-Ie-f-4