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Most Essential Learning Competencies (MELCs)



Grade Level: Grade 5

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	properties of materials to determine whether they are useful or harmful	uses local, recyclable solid and/or liquid materials in making useful products	Use the properties of materials whether they are useful or harmful	Week 1-2	S5MT-Ia-b-1
	materials undergo changes due to oxygen and heat		Investigate changes that happen in materials under the following conditions: 1 presence or lack of oxygen 2 application of heat	Week 3-4	S5MT-Ic-d-2
			Design a product out of local, recyclable solid and/ or liquid materials in making useful products.	Week 5-6	S5MT-Ih-i-4
2nd	how the parts of the human reproductive system work	Practice proper hygiene to care of the reproductive organs	Describe the parts of the reproductive system and their functions	Week 1	S5LT-IIa-1
			Explain the menstrual cycle	Week 2	S5LT-IIc-3

	how animals reproduce	create a hypothetical community to show how organisms interact and reproduce to survive	Describe the different modes of reproduction in animals such as butterflies, mosquitoes, frogs, cats and dogs	Week 3	S5LT-IIe-5
	how plants reproduce		Describe the reproductive parts in plants and their functions	Week 4	S5LT-IIf-6
			Describe the different modes of reproduction in flowering and non-flowering plants such as moss, fern, mongo and others	Week 5	S5LT-IIg-7
			the interactions for survival among living and non-living things that take place in estuaries and intertidal zones	Discuss the interactions among living things and non-living things in estuaries and intertidal zones	Week 6
	Explain the need to protect and conserve estuaries and intertidal zones			Week 7	S5LT-li-j-10
3rd	motion in terms of distance and time		Describe the motion of an object by tracing and measuring its change in position (distance travelled) over a period of time	Week 1	S5FE-IIIa-1
	how different objects interact with light and sound, heat ;		Discuss why some materials are good conductors of heat and electricity	Week 2	S5FE-IIIc-3
				Week 3	S5FE-IIIf-5
	the effects of heat and electricity, light and sound on people and objects		Relate the ability of the material to block, absorb or transmit light to its use		
	a simple DC circuit and the relationship between electricity and magnetism in electromagnets	propose device using electromagnet that is useful for home school or community	Infer the conditions necessary to make a bulb light up	Week 4	S5FE-IIIg-6
			Determine the effects of changing the number or type of components in a circuit	Week 5	S5FE-IIIg-7
			Design an experiment to determine the factors that affect the strength of the electromagnet	Week 6	S5FE-IIIi-j-9

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