

Back to SCHOOL



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Most Essential Learning Competencies (MELCs)



Grade Level: Grade 4

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	grouping different materials based on their properties	Recognize and practice proper handling of products	Classify materials based on the ability to absorb water, float, sink, undergo decay;	Week 1	S4MT-Ia-1
	changes that materials undergo when exposed to certain conditions.	evaluate whether changes in materials are useful or harmful to one's environment	Describe changes in solid materials when they are bent, pressed, hammered, or cut;	Week 2 - 3	S4MT-Ie-f-5
			Describe changes in properties of materials when exposed to certain conditions such as temperature or when mixed with other materials	Week 4 - 5	S4MT-Ig-h-6
			Identify changes in materials whether useful or harmful to one's environment.	Week 6- 7	S4MT-Ii-j-7
2nd	how the major internal organs such as the brain, heart, lungs, liver, stomach, intestines, kidneys, bones, and muscles keep the body healthy	construct a prototype model of organism that has body parts which can survive in a given environment	Describe the main function of the major organs	Week 1	S4LT-IIa-b-1
			Communicate that the major organs work together to make the body function properly	Week 1	S4LT-IIa-b-2
	animals have body parts that make them adapt to land or		Infer that body structures help animals adapt and survive in their particular habitat	Week 2	S4LT-IIa-b-4
	plants have body parts that make them adapt to land or water		Identify the specialized structures of terrestrial and aquatic plants	Week 3	S4LT-IIe-f-9

	different organisms go through life cycle which can be affected by their environment		Compare the stages in the life cycle of organisms	Week 4	S4LT-IIg-h-13
	beneficial and harmful interactions occur among living things and their environment as they obtain basic needs		Describe the effect of the environment on the life cycle of organisms	Week 5	S4LT-IIg-h-14
			Describe some types of beneficial and harmful interactions among living things	Week 6	
			Describe the effects of interactions among organism in their environment	Week 7	S4LT-III-j-18
3rd	force that can change the shape, size or movement of objects.		Explain the effects of force when applied to an object	Week 1-2	S4FE-IIIa-1
			Characterize magnetic force	Week 3	S4FE-III d-e-3
	how light, heat and sound travel using various objects	demonstrate conceptual understanding of properties/characteristics of light, heat and sound	Describe how light, sound and heat travel	Week 4-5	S4FE-III f-g-4
			Investigate properties and characteristics of light and sound	Week 6-7	S4FE-III h-5
4th	the different types of soil		Compare and contrast the characteristics of different types of soil	Week 1	S4ES-IVa-1
	the different sources of water suitable for human consumption		Explain the use of water from different sources in the context of daily activities	Week 2	S4ES-IVb-2
			Trace and describe the importance of the water cycle	Week 3	
	components of weather using simple instruments	practice precautionary measures in planning activities	Use weather instruments and describe the different weather components in a weather chart	Week 4	
			Identify safety precautions during different weather conditions	Week 5	S4ES-IVg-8
	the Sun as the main source of heat and light on Earth		Describe the changes in the position and length of shadows in the surroundings as the position of the Sun changes	Week 6	S4ES-IVh-9
			Describe the effects of the Sun to human activities	Week 6	