



Dharmapala College. Pannipitiya
GRADE 8 SCIENCE SYLLABUSES

2011

1 st term							
Unit	Competency		Competency Levels	Time	Scheduled date	Date of Completion	Remarks
1.0	Observes the environment as a scientist	1.1	Investigates the natural environment for its optimum uses.				
		1.2	Investigates on the built environment for its optimum uses.				
		1.3	Focuses attention on the venomous animals that are harmful to man.				
		1.4	Acquires the ability to use international scientific symbols.				
2.0	Inquires the compatibility of substances in relation to day to day requirements.	2.1	Inquiries into the structure of matter in order to make human affairs/concerns effective.				
		2.2	Inquires into the usages of elements in relation to their properties.				
		2.3	Uses the difference in the density of substances in day to day life				
		2.4	Uses the expansions of solids, liquids and gases in day to day life effectively.				
		2.5	Inquires into the usages of compounds according to their properties.				
		2.6	Inquires into the domestic usages of chemicals.				
		2.7	Uses parallel and series connections of electrical appliances in human needs				

2 nd term							
Unit	Competency		Competency Levels	Time	Scheduled date	Date of Completion	Remarks
2.0	Inquires the compatibility of substances in relation to day to day requirements.	2.8	Uses magnets in day today life				
3.0	Explores the dynamic nature of environment.	3.1	Observes the interactions based on life cycles.				
		3.2	Controls different stages of life cycles of animals for the benefit of man.				
		3.3	Manipulates the factors affecting survival of crpos to obtain optimum benefit.				
		3.4	Investigates in to the biotic factors affecting of natural environment.				
		3.5	Investigates in to the abiotic factors affecting the perpetuation of natural environment.				
4.0	Makes inquiry to identify the nature of earth and space.	4.1	Investigates in to the constituents of the atmosphere in order to make human affairs/concerns effective.				
		4.2	Acts to maintain optimum composition of the atmosphere.				
		4.3	Uses natural resources obtained from the earth effectively.				
5.0	Uses the concepts, principles and theories related energy, work and force effectively.	5.1	Inquires into the use of phenomena related to pressure in day to day life.				

		5.2	Inquires into the effect of center gravity on the equilibrium of an object, with relation to life experiences.				
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3 rd term							
Unit	Competency		Competency Levels	Time	Scheduled date	Date of Completion	Remarks
		5.3	Uses work, energy and power in human concerns/needs.				
		5.4	Acts towards overcoming energy crisis.				
6.0	Investigates in to the diversity of plants.	6.1	Conducts explorations to identify the morphological diversity of leaves.				
		6.2	Investigates the functions related to the diversity of plant stems.				
		6.3	Investigates the functions related to the diversity of roots				
		6.4	Uses plant related products with a view to make human affairs/concerns effective.				
7.0	Uses properties of waves to accomplish day to day needs.	7.1	Uses properties of light in human needs.				
		7.2	Uses generation and propagation of sounds in producing musical instruments.				
		7.3	Explores the scientific basis of modern communication equipment.				
8.0	Exhibits the preparedness in management of natural disasters and associated risks.	8.1	Contributes to minimize the risks associated with cyclones.				
		8.2	Contributes to minimize the risks associated with lightening and thunder.				