



ST. PETER'S COLLEGE GARAKU

Scheme of work for:

Term: 3rd, **Session:** 2019/2020, **Class:** JSS2, **Subject:** Basic Science

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WEEKS	TOPICS	CONTENT	STD/ACTIVITY	INSTRUCTIONAL MATERIALS
1	You and energy	-Thermal energy -heat flow	Describe heat flow and list the methods of heat transfer	Spectrum basic science and technology(pg-85)
2	You and energy	-heat transfer(conduction) -application of conduction	describe the process of conduction and its application	Spectrum basic science and technology(pg-86) Picture of conduction in a metal rod
3	You and energy	-differences between conductors and insulators	identify conductors and insulators	. Spectrum basic science and technology(pg-86) Pictures of good and bad conductors
4	You and energy	. convection -application of convection	describe the process of convection	Spectrum basic science and technology (pg-87) Picture of convection of current in boiling water
5	You and energy	-radiation -application of radiation	describe the process of radiation and its application	Spectrum basic science and technology (pg-87) Chart demonstrating radiation
6	Crude oil and petrochemical	- Origin of crude oil -extraction of crude oil	Explain the origin of crude oil and petrochemical	Spectrum basic science and technology(pg-93-94)
7	Crude oil and petrochemical	. Conversion of crude oil -purification of crude oil	describe the process of refining crude oil	Spectrum basic science and technology (pg-96) Picture of fractionating column
8	Crude oil and petrochemical	-Conversion of crude oil -purification of crude oil	describe the process of refining crude oil	Spectrum basic science and technology(pg 95)
9	Crude oil and petrochemical	-petrochemical -petrochemical products	Give examples of petrochemical products	Spectrum basic science and technology (pg -97) Pictures of petrochemical products
10	Crude oil and petrochemical	-Uses of petrochemical -importance of crude oil	State the uses of petrochemicals Discuss the importance of crude oil	Spectrum basic science and technology(pg -98) Pictures of uses of petrochemicals

11		Mid-term exam		
12		Revision		
13		Examination		
14		Compilation	And	Vacation

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