ST. THOMAS SCHOOL, RANCHI

SYLLABUS FOR THIRD TREMINAL (2020-2021)

PHYSICS : CLASS VIII

WEEK	CHAPTER NAME	TOPIC	NO. OF VIDEO
Week 1	*CLASS VIII BOOK*	Electrical Energy	Video1
28/10 to31/10	*CHAPTER - 8*	Electricity at home	
	ELECRTICITY	Household wiring	
Week 2		Sockets, Plugs and Switch	Video2
2/11 to7/11		Battery	
		Safety Component	
		Electric fuse	
		Characteristic of fuse	
		MCB	
		Earthing	
Week 3		Static Electricity	Video3
9/11 to 13/11		Conservation of Charges	
		Charging by Conduction	
Week 4		Charging by Induction	
17/11 to 20/11		Electroscope	
		Gold leaf Electroscope	
		Lightning	
		Lightning Conductor	
Week 5	*CLASS IX BOOK*	Concept of heat	Video1
23/11 to 28/11	*CHAPTER 6*	Concept of temperature	
	HEAT AND ENERGY	Anomalous expansion of water	
Week 6		Hopes Experiment	
1/12 to 5/12		Consequences of anomalous expansion of water	
		Green House Effect and Global Warming (only definition/introduction)	Video2

Week 7		**Reflection of light**	**Video1**
7/12 to 12/12	***CHAPTER 7***	**Some term related with reflection**	
	REFLECTION OF LIGHT	**Laws of reflection**	
		Formation of image by reflection	
		Image of a point object formed by a plane mirror	
		Image of an Extended object formed by a plane mirror	
Week 8		**Lateral Inversion**	
14/12 to 19/12		**Characteristics of image formed by plane mirror (no numerical)**	
		Image formed by two inclined mirror	
		Images formed in a pair of mirrors placed parallel to each other	
		Image formed by two mirrors placed perpendicular to each other	
		Uses of plane mirror	
Week 9		**Spherical Mirror**	**Video2**
21/12 to 23/12		**Reflection of light rays from a spherical mirror**	
		Focus and focal length	
		Convenient rays for the construction of image by ray diagram	
		Ray diagram for formation of images in a concave mirror	
Week 10		**Ray diagram for formation of images in a convex mirror**	
4/1 to 9/1		**Uses of Spherical Mirrors**	
Week 11	***CHAPTER 8***	**Sound and its production from vibration**	**Video1**
11/1 to 16/1	***PROPAGATION OF SOUND WAVES***	**Sound propagation required a material medium**	
		Propagation of sound in a medium	
		Some term related to wave motion	
Week 12		**Relation between the wavelength, wave velocity and frequency**	
18/1 to 23/1		**Speed of sound in different medium**	
Week 13		**Factor affecting speed of sound in gas**	**Video2**
25/1 to 30/1		**Factor not affecting speed of sound in gas**	
		Comparison of speed of sound with speed of light	
Week 14		**Infrasonic, sonic and ultrasonic frequencies**	
1/2 to 6/2		**Ultrasound and its application**	

WEEK 15 8/2 to 13/2	**REVISION**	**----------**	**TOTAL 9 VIDEOS**