

ST. THOMAS SCHOOL

THIRD TERMINAL SYLLABUS: 2020 -21

CLASS: IX
PHYSICS

SUBJECT:

S.No.	Week	Number of Periods	Topics
1.	28/10 – 31/10	1	Sound & its Production from vibrations., propagation of sound, some terms related to wave motion
2.	2/11 – 7/11	2	Factors affecting the speed of sound in a gas, speed of sound in different media. Simple numericals. Infrasonic, sonic & Ultrasonic frequencies
3.	9/11 – 13/11	2	Electric Current, symbols used in circuit diagrams, direction of current (conventional & electronic). Closed & open circuit. Simple numericals.
4.	17/11 - 20/11	1	Flow of electrons between the conductors. Elementary idea about work done.
5.	23/11 – 28/11	2	Potential & Potential Difference. Simple numericals. Efficient use of energy.
6.	1/12 – 5/12	2	Concept of charge, current, potential, potential difference & resistance, Ohms law, Specific resistance, superconductors.
7.	7/12 – 12/12	2	Electromotive force, terminal voltage & Internal resistance of a

			cell. Combination of resistors in series & parallel , simple numericals.
8.	14/12 – 19/12	2	Electrical energy & power, commercial unit of electrical energy, simple numericals.
9.	21/12 – 23/12	1	Reflection of sound waves & echoes
10.	04/01/2021 – 09/01/2021	2	Determination of speed of sound by echo, Use of echoes by bats, sonar, etc. Natural/Damped & Forced vibrations; Resonance
11.	11/01/21 – 16/01/21	2	Characteristics of sound, loudness, pitch & frequency, quality & waveform. Simple numericals.
12.	18/01 – 23/01	2	Work, Energy & Power, their measurements & units, simple numericals. Mechanical Energy & its different forms.
13.	25/01 – 30/01	2	Relationship between Kinetic Energy & Momentum, Work – Energy Theorem, Conversion of Energy, Conservation of Energy, Simple Numericals
14.	01/02 – 06/02	2	Revision
15.	08/02 – 13/02	2	Revision

Note: Number of Videos = 36.