

CLASS:	VIII	SUBJECT:	PHYSICS
BOOK:	NOOTAN ICSE PHYSICS CLASS 8- NAGEEN PRAKASHAN AUTHOR: MONIKA PARASHAR		

FIRST TERM

Month	Topic	Chapters	Periods
April (9)	Matter	1	4
	Physical Quantities and Measurement	2	5
May (6)	Force and Pressure	3	6
June (6)	Pressure in Fluids and Atmospheric Pressure from class 9 book	4	6
July (13)	Pressure in Fluids and Atmospheric Pressure(...contd.)	4	6
	Energy	4	7
Aug (13)	Light Energy (Refraction of light from page 83 to end)	5	7
	Revision		6
Sept (1)	Revision		1
Project May	Measure the dimensions of a cuboidal block. Determine the pressures exerted by it on the three faces. (in S.I. units)		
Revision Days			7
No. of classes			48

UNIT TEST - 1st Term

Month	Topic	Chapters
August 13.08.2026	Matter	1
	Physical Quantities and Measurement	2
	Force and pressure	3
	Pressure in fluids and Atmospheric pressure from class 9 book	4

EXAMINATION - 1st Term

Month	Topic	Chapters
September	Matter	1
	Physical Quantities and Measurement	2
	Force and Pressure	3
	Pressure in Fluids and Atmospheric Pressure from class 9 book	4
	Energy	4
	Light Energy (Refraction of light from pg 83 to end)	5

SYLLABUS

ACTIVITIES

Experiments on Experiments on Experiments on Experimentally determine Experimentally determine	Pressure increases with depth, Pressure increases with density, Air exerts pressure Energy conservation in a simple pendulum Energy conservation in a catapult
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SECOND TERM

Month	Topic	Chapters	Periods
Sept (1)	Light Energy (Reflection of light on spherical surfaces till pg 82)	5	1
Oct (9)	Light Energy(....contd.)	5	9
Nov (11)	Reflection of Light from class 9 book Heat Transfer	7 6	5 6
Dec (9)	Sound	7	9
Jan(12)	Unit test revision Electricity	8	4 8
Feb (8)	Revision		8
Project (December)	Determination of image distances for a concave mirror of given focal length. Diagram for each location and calculations needed.		
Revision Days			8
No. of classes			50

UNIT TEST – 2nd Term

Month	Topic	Chapters
December 15.12.2026	Light Energy(Reflection of light on spherical surfaces till pg 82) Reflection of Light from class 9 book	5 7

EXAMINATION – 2nd Term

Month	Topic	Chapters
February	Full book of class 8 only	1-8

ACTIVITIES

Experimentally show that	Pitch increases with tension Pitch decreases with length of air column Variation of pitch with thickness Loudness depends on surface area
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N.A. – All subjects should have one activity per term.