

SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA



YEARLY SYLLABUS – ADVANCED PHYSICS (GRADE IX) SESSION: 2026–27

MONTH	NO. OF CLASSES	TOPIC TO BE TAUGHT	ACTIVITY	LEARNING OUTCOME	VALUES & SKILLS IMPARTED	ASSESSMENT
April	12	Measurement – Foundation of Science	Measuring classroom using different units	Understand SI units, errors, unit conversion	Observation skills, accuracy	MCQs, numericals
May	14	Measurement + Intro to Motion	Unit conversion problems	Apply unit conversion, understand motion	Logical thinking	Worksheet
June	20	Understanding Motion	Graph plotting, experiments	Understand velocity & acceleration	Graph skills	MCQs
July	22	Newton's Laws of Motion	Inertia demo	Apply laws in real life	Scientific thinking	Numericals
August	20	Newton's Laws Applications	Friction experiments	Solve force problems	Reasoning skills	Unit test
September	18	Work and Energy	Energy conversion demo	Understand energy concepts	Concept clarity	Half-yearly
October	18	Work & Energy continued	Power calculation	Apply formulas	Analytical thinking	Test
November	20	Simple Machines	Lever, pulley experiments	Understand efficiency	Practical skills	MCQs
December	16	Machines continued	Real-life analysis	Apply concepts	Problem solving	Worksheet
January	15	Revision	Quiz, discussion	Strengthen concepts	Confidence	Pre-test

February	12	Final Revision	Sample papers	Exam readiness	Time management	Final exam
----------	----	----------------	---------------	----------------	-----------------	------------

Subject Teacher: Swaraj Kumar Rana

Principal