



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019



Session Plan/ Syllabus Coverage for the Academic Year 2025-2026

Subject: PHYSICS

Term: FIRST

Name of the Subject Co-ordinator Ms. Maloshree Niyogi

Name of the Book : Concise Physics part 1 for class 9 (CP9)

No. of Working Days: 103

No. of Periods Available: 19 Class: 9 Sections: A, B and C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APR 2025	05	Ch1- MEASUREMENT AND EXPERIMENTATION (CP9 pg 01 to 28)	International system of units. Other commonly used system of units – FPS and CGS. Measurement using common instruments, Vernier callipers and micro metre screw gauge for length and simple pendulum for time. (CP9 pg 01 to 28)	Important notes related to topic will be given. (CP9 pg 01 to 28) Ex 1A – CP9 pg 09 to 11; Ex 1B – CP9 pg 20 to 23; Ex 1C – CP9 pg 26 to 28	Experiment to determine the least count of a Vernier callipers and measure the length and diameter of a small cylinder.
MAY 2025	03	Ch2- MOTION IN ONE DIMENSION (CP9 pg 29 to 61)	Scalar and vector quantities, distance, speed velocity, acceleration; graphs of distance-time and speed-time; equation of uniformly accelerated motion with derivation. (CP9 pg 29 to 61)	Important notes related to topic will be given. (CP9 pg 29 to 61) Ex 2A – CP9 pg 37 to 39; Ex 2B – CP9 pg 51 to 56; Ex 2C – CP9 pg 59 to 61	Activity to graphically demonstrate different linear motion using graph paper.
JUNE 2025	03	Ch3- LAWS OF MOTION (CP9 pg 62 to 91) Unit test 1 begins from 23 rd June 2025	Contact and non-contact forces; CGS and SI units; Newton's first law of motion, introduction of the idea of inertia, mass and force; Newton's second law of motion; weight and mass; Newton's third law of motion; simple examples; Gravitation (CP9 pg 62 to 91) Syllabus for UT1: Ch 1 Measurement and Experimentation (CP9 pg 01 to 28)	Important notes related to topic will be given. (CP9 pg 62 to 91) Ex 3A – CP9 pg 65 to 66; Ex 3B – CP9 pg 70 to 71; Ex 3C – CP9 pg 76 to 79; Ex 3D – CP9 pg 81 to 82; Ex 3E – CP9 pg 88 to 91	Experiment to demonstrate sliding friction greater than rolling friction.
JULY 2025	08	Ch4- PRESSURE IN FLUIDS AND ATMOSPHERIC PRESSURE (CP9 pg 92 to 114)	Change of pressure with depth; transmission of pressure in liquids; Atmospheric pressure (CP9 pg 92 to 114)	Important notes related to topic will be given. (CP9 pg 92 to 114) Ex 4A – CP9 pg 102 to 105; Ex 4B – CP9 pg 112 to 114	Activity to demonstrate the consequences of atmospheric pressure using a syringe.

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Maloshree Niyogi* 2. *Sammitra Maity*

Submitted on: *24-4-2025*

Academic Co-ordinator: *K. Banerjee*

PRINCIPAL *[Signature]*

VICE PRINCIPAL *[Signature]*



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Session Plan/ Syllabus Coverage for the Academic Year 2025-2026

Subject: PHYSICS Term: FIRST + SECOND Name of the Subject Co-ordinator Ms. Maloshree Niyogi Name of the Book : Concise Physics part 1 for class 9 (CP9)

No. of Working Days: 103 (1st term) + 92 (2nd term)

No. of Periods Available: 10 (1st term) + 14 (2nd term)

Class: 9 Sections: A, B and C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
AUG 2025	06	Ch5- UPTHRUST IN FLUIDS, ARCHIMEDES' PRINCIPLE AND FLOATATION (CP9 pg 115 to 139)	Buoyancy, Archimedes' principle, floatation, relationship with density; relative density, determination of relative density of a solid (CP9 pg 115 to 139)	Important notes related to topic will be given. (CP9 pg 115 to 139) Ex 5A - CP9 pg 121 to 124; Ex 5B - CP9 pg 129 to 131; Ex 5C - CP9 pg 136 to 139	Experiment to demonstrate Archimedes principle.
SEP 2025	04	REVISION 1 st term exam begins from 15 th Sep 2025	Entire Syllabus of first term exam. (CP9 pg 01 to 139)	REVISION. (CP9 pg 01 to 139)	
		Syllabus of first term exam: Ch1: Measurement and Experimentation; Ch2- Motion in one Dimension; Ch3- Laws of motion; Ch4- Pressure in fluids and Atmospheric pressure; Ch5- Upthrust in fluids, Archimedes principle and floatation.			
OCT 2025	06	2 nd term begins 07 th Oct 2025 Ch6- HEAT AND ENERGY (CP9 pg 140 to 163)	Concepts of heat and temperature, Anomalous expansion of water, energy flow and its importance, Energy sources, Renewable versus non-renewable sources, global warming and green house effect (CP9 pg 140 to 163)	Important notes related to topic will be given. (CP9 pg 140 to 163) Ex 6A - CP9 pg 144 to 146; Ex 6B - CP9 pg 149; Ex 6C - CP9 pg 158 to 159; Ex 6D - CP9 pg 163	Activity to demonstrate Anomalous expansion of water.
NOV 2025	08	Ch7- REFLECTION OF LIGHT (CP9 pg 164 to 192) Unit test 2 begins from 17 th Nov 2025	Reflection of light; images formed by a pair of parallel and perpendicular plane mirrors; spherical mirrors; characteristics of image formed by these mirrors; uses of concave and convex mirrors. (CP9 pg 164 to 192) Syllabus for UT2: Ch 7 Reflection of Light (CP9 pg 164 to 192)	Important notes related to topic will be given. (CP9 pg 164 to 192) Ex 7A- CP9 pg 170 to 172; Ex 7B - CP9 pg 174 to 175; Ex 7C - CP9 pg 188 to 192	Experiment to observe angle of incidence is equal to angle of reflection using a plane mirror.

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Signature of the Co-Teachers: 1. *Maloshree Niyogi*..... 2. *Saumitra Maiti*.....

PRINCIPAL *[Signature]*

Submitted on: *24.4.2025*.....

Academic Co-ordinator: *R. Banerjee*.....

VICE PRINCIPAL *[Signature]*



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Session Plan/ Syllabus Coverage for the Academic Year 2025-2026

Subject: PHYSICS

Term: SECOND

Name of the Subject Co-ordinator Ms. Maloshree Niyogi

Name of the Book : Concise Physics part 1 class 9 (CP9)

No. of Working Days: 92

No. of Periods Available: 17

Class: 9 Sections: A, B and C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
DEC 2025	06	Ch8- PROPAGATION OF SOUND WAVES (CP9 pg 193 to 207)	Nature of sound waves, Requirement of a medium for sound waves to travel; propagation and speed in different media; comparison with speed of light; infrasonic, sonic, ultrasonic frequencies and their applications. (CP9 pg 193 to 207)	Important notes related to topic will be given. (CP9 pg 193 to 207) Ex 8A - CP9 pg 202 to 204; Ex 8B - CP9 pg 206 to 207	Activity to demonstrate sound is produced by vibrations using a tuning fork.
JAN 2026	07	Ch9- CURRENT ELECTRICITY (CP9 pg 208 to 224)	Simple electric circuit using an electric cell and a bulb to introduce the idea of current; potential difference; insulators and conductors; closed and open circuits; direction of current; efficient use of energy. (CP9 pg 208 to 224)	Important notes related to topic will be given. (CP9 pg 208 to 224) Ex 9A- CP9 pg 215 to 217; Ex 9B - CP9 pg 221 to 222; Ex 9C - CP9 pg 223 to 224	Experiment to distinguish between series and parallel circuits using different components of an electric circuit.
FEB 2026	04	Ch10- MAGNETISM (CP9 pg 225 to 239)	Induced magnetism, magnetic field of earth, neutral points in magnetic fields; introduction of electromagnets and its uses. (CP9 pg 225 to 239)	Important notes related to topic will be given. (CP9 pg 225 to 239) Ex 10A - CP9 pg 232 to 234; Ex 10B - CP9 pg 237 to 239	Experiment to plot magnetic field lines of earth using compass needle and a bar magnet.
		REVISION 2 nd term exam begins from 16 th Feb 2026	Entire syllabus of 1 st and 2 nd term. (CP9 pg 01 to 239)	Important notes related to topic will be given. (CP9 pg 01 to 239)	
		Syllabus of 2nd term exam: Ch1: Measurement and Experimentation; Ch2- Motion in one Dimension; Ch3- Laws of motion; Ch4- Pressure in fluids and Atmospheric pressure; Ch5- Upthrust in fluids, Archimedes principle and floatation, Ch6- Heat and Energy; Ch7- Reflection of light; Ch8- Propagation of sound waves; Ch9- Current Electricity; Ch10- Magnetism.			
MAR 2026	00	<u>Correction work continued</u>			

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Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Maloshree Niyogi* 2. *Soumitra Maity*

Submitted on: *24.4.2025*

Academic Co-ordinator: *K. Banerjee*

PRINCIPAL

VICE PRINCIPAL

R. H. S.