ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2026-2027

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: 61 **No. of Periods Available: 35** **Class: 9** **Sections: A, B and C**

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APR 2026	**09**	Ch1- MEASUREMENT AND EXPERIMENTATION (CP9 pg 01 to 29)	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 29)	Important notes related to topic will be given. (CP9 pg 01 to 29) Ex 1A – CP9 pg 09 to 11; Ex 1B - CP9 pg 20 to 23; Ex 1C – CP9 pg 27 to 29	Experiment to determine the least count of a Vernier callipers and measure the length and diameter of a small cylinder.
MAY 2026	**06**	Ch2- MOTION IN ONE DIMENSION (CP9 pg 30 to 63)	Scalar and vector quantities, distance, speed velocity, acceleration; graphs of distance-time and speed-time; equation of uniformly accelerated motion with derivation. (CP9 pg 30 to 63)	Important notes related to topic will be given. (CP9 pg 30 to 63) Ex 2A - CP9 pg 38 to 40; Ex 2B – CP9 pg 52 to 57; Ex 2C - CP9 pg 60 to 63	Activity to graphically demonstrate different linear motion using graph paper.
JUNE 2026	**07**	Ch3- LAWS OF MOTION (CP9 pg 64 to 94)	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 64 to 94)	Important notes related to topic will be given. (CP9 pg 64 to 94) Ex 3A - CP9 pg 67 to 68; Ex 3B - CP9 pg 72 to 73; Ex 3C - CP9 pg 78 to 80; Ex 3D - CP9 pg 83 to 84; Ex 3E - CP9 pg 91 to 94	Experiment to demonstrate sliding friction greater than rolling friction.
JULY 2026	**13**	Ch4- PRESSURE IN FLUIDS AND ATMOSPHERIC PRESSURE (CP9 pg 95 to 109) **Unit test 1** begins from **13th July 2026**	Change of pressure with depth; transmission of pressure in liquids; Atmospheric pressure (CP9 pg 95 to 109) **Syllabus for UT1**: **Ch 1 Measurement** and **Experimentation** (CP9 pg 01 to 28)	Important notes related to topic will be given. (CP9 pg 95 to 109) Ex 4 - CP9 pg 105 to 109	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. Soumitra Manik

Submitted on: 20.04.2026

Academic Co-ordinator: Chaitali Roy

PRINCIPAL

VICE PRINCIPAL

ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2026-2027

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: 61, 36 (1st term) + 42 (2nd term) **No. of Periods Available: 13 (1st term) + 24 (2nd term)** **Class: 9** **Sections: A, B and C**

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
AUG 2026	**11**	Ch5- UPTHRUST IN FLUIDS, ARCHIMEDES' PRINCIPLE AND FLOATATION (CP9 pg 110 to 135)	Buoyancy, Archimedes' principle, floatation, relationship with density; relative density, determination of relative density of a solid (CP9 pg 110 to 135)	Important notes related to topic will be given. (CP9 pg 110 to 135) Ex 5A - CP9 pg 116 to 119; Ex 5B - CP9 pg 124 to 125; Ex 5C - CP9 pg 131 to 135	Experiment to demonstrate Archimedes principle.
SEP 2026	**02**	**REVISION** **1st term exam** begins from **07th Sep 2026**	Entire Syllabus of first term exam. (CP9 pg 01 to 135)	REVISION. (CP9 pg 01 to 135)	
		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.**			
	05	**2nd term** begins **21st Sep 2026** Ch6- HEAT AND ENERGY (CP9 pg 136 to 138)	Concepts of heat and temperature, Thermal expansion (CP9 pg 136 to 138)	Important notes related to topic will be given. (CP9 pg 136 to 138)	Activity to observe temperature change of a body.
OCT 2026	**08**	Ch6- HEAT AND ENERGY (CP9 pg 138 to 148)	Anomalous expansion if water, energy flow and its importance, Energy sources, Renewable versus non-renewable sources, global warming and green house effect (CP9 pg 138 to 148)	Important notes related to topic will be given. (CP9 pg 138 to 148) Ex 6A - CP9 pg 140 to 142: Ex 6B - CP9 pg 147 to 148	Activity to demonstrate Anomalous expansion of water.
NOV 2026	**11**	Ch7- REFLECTION OF LIGHT (CP9 pg 149 to 179) **Unit test 2** begins from **16th Nov 2026**	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 149 to 179) **Syllabus for UT2: Ch 7 Reflection of Light** (CP9 pg 164 to 192)	Important notes related to topic will be given. (CP9 pg 149 to 179) Ex 7A- CP9 pg 155 to 157; Ex 7B - CP9 pg 159 to 160; Ex 7C - CP9 pg 174 to 179	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. Soumitra Maity

Submitted on: 20.04.2026

Academic Co-ordinator: Chaitali Roy

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Session Plan/ Syllabus Coverage for the Academic Year 2026-2027

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: 42, 58 **No. of Periods Available: 24** **Class: 9** **Sections: A, B and C**

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
DEC 2026	**09**	Ch8- PROPAGATION OF SOUND WAVES (CP9 pg 180 to 196)	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 180 to 196)	Important notes related to topic will be given. (CP9 pg 180 to 196) Ex 8A - CP9 pg 190 to 192; Ex 8B - CP9 pg 194 to 196	Activity to demonstrate sound is produced by vibrations using a tuning fork.
JAN 2027	**10**	Ch9- CURRENT ELECTRICITY (CP9 pg 197 to 213)	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 197 to 213)	Important notes related to topic will be given. (CP9 pg 197 to 213) Ex 9A- CP9 pg 203 to 205; Ex 9B - CP9 pg 211 to 213	Experiment to distinguish between series and parallel circuits using different components of an electric circuit.
FEB 2027	**05**	Ch10- MAGNETISM (CP9 pg 214 to 224)	Induced magnetism, magnetic field of earth, neutral points in magnetic fields; introduction of electromagnets and its uses. (CP9 pg 214 to 224)	Important notes related to topic will be given. (CP9 pg 214 to 224) Ex 10 - CP9 pg 221 to 224	Experiment to plot magnetic field lines of earth using compass needle and a bar magnet.
		REVISION **2nd term exam begins from 15th Feb 2027**	Entire syllabus of 1st and 2nd term. (CP9 pg 01 to 224)	Important notes related to topic will be given. (CP9 pg 01 to 224)	
		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 2027	**00**	**Correction work continued**			

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Submitted on: 20.04.2026

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