



# 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 class 8 (CP8)

No. of Working Days: 61

No. of Periods Available: 24

Class: 8

Sections: A, B and C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APR 2026	06	Ch1- MATTER (CP8 pg 01 to 18)	<ul style="list-style-type: none"> <li>Characteristics of molecules</li> <li>Molecular model of solids, liquids and gases</li> <li>Different Change of states (CP8 pg 01 to 15)</li> </ul>	Important points and notes related to topic will be given. (CP8 pg 01 to 13) Ex A to D – CP8 pg 15 - 18	Activity to demonstrate that molecules of matter have spaces between them using measuring cylinder, water and salt.
MAY 2026	04	Ch2- PHYSICAL QUANTITIES AND MEASUREMENT (CP8 pg 19 to 36)	<ul style="list-style-type: none"> <li>Density, Relative density</li> <li>Principle of floatation</li> <li>Application of floatation (CP8 pg 19 to 32)</li> </ul>	Important points and notes related to topic will be given. (CP8 pg 19 to 32) Ex A to E – CP8 pg 33 - 36	Experiment to measure density of a solid using a measuring cylinder.
JUNE 2026	06	Ch3- FORCE AND PRESSURE (CP8 pg 37 to 58)	<ul style="list-style-type: none"> <li>Force, Turning effect of force</li> <li>Moment of force, Thrust, Pressure</li> <li>Liquid pressure, atmospheric pressure (CP8 pg 37 to 53)</li> </ul>	Important points and notes related to topic will be given. (CP8 pg 37 to 53) Ex A to E – CP8 pg 55 - 58	Activity demonstrating liquid exert pressure using a glass tube.
JULY 2026	08	Ch4- ENERGY (CP8 pg 59 to 79) <b>Unit test 1</b> begins from 13 <sup>th</sup> July 2026	<ul style="list-style-type: none"> <li>Work</li> <li>Energy, Mechanical energy – potential, kinetic, Transformation of energy</li> <li>Power (CP8 pg 59 to 75)</li> </ul> <p><b>Syllabus for UT1: Ch1 Matter</b> (CP8 pg 01 to 18)</p>	Important points and notes related to topic will be given. (CP8 pg 59 to 75) Ex A to E – CP8 pg 76 to 79	Activity showing conversion of P.E. into K.E. in a swinging pendulum.

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*

Submitted on: *20.04.2026*

Academic Co-ordinator: *Chaitali Roy*

PRINCIPAL

*[Signature]*

VICE PRINCIPAL

*[Signature]*



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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 class 8 (CP8)

No. of Working Days: 61, 36(1<sup>st</sup> term) + 42 (2<sup>nd</sup> term)

No. of Periods Available: 9 (1<sup>st</sup> term) + 16 (2<sup>nd</sup> term) Class: 8 Sections: A, B and C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
AUG 2026	08	Ch6- HEAT TRANSFER (CP8 pg 103 to 122)	<ul style="list-style-type: none"> <li>Effects of heat, effect of temperature</li> <li>Evaporation, Boiling</li> <li>Thermal expansion in solid, liquid and gases, variation of density with temperature (CP8 pg 103 to 117)</li> </ul>	Important points and notes related to topic will be given. (CP8 pg 103 to 117) Ex A to D – CP8 pg 119 to 122	Activity showing the thermal expansion of liquids using a mercury thermometer.
SEP 2026	01	REVISION (CP8 pg 01 to 79, pg 103 to 122) 1 <sup>st</sup> term exam begins from 07 <sup>th</sup> Sep 2026	<b>Syllabus of first term exam:</b> <b>Ch1- Matter; Ch2- Physical quantities and measurement ; Ch3- Force and Pressure; Ch4- Energy ; Ch6- Heat transfer</b> (CP8 pg 01 to 79; pg 103 to 122)	Revision. (CP8 pg 01 to 79, pg 103 to 122)	
	03	2 <sup>nd</sup> term begins from 21 <sup>st</sup> Sep 2026 Ch5 – LIGHT ENERGY (CP8 pg 80 to 82)	<ul style="list-style-type: none"> <li>Refraction of light, different terms (CP8 pg 80 to 82)</li> </ul>	Important points and notes related to topic will be given. (CP8 pg 80 to 82)	Activity showing refraction of light using a glass slab.
OCT 2026	06	Ch5 – LIGHT ENERGY (CP8 pg 82 to 87)	<ul style="list-style-type: none"> <li>Laws of refraction</li> <li>Effects of refraction</li> <li>Prism, Dispersion (CP8 pg 82 to 87)</li> </ul>	Important points and notes related to topic will be given. (CP8 pg 82 to 87)	Activity showing refraction of light using a prism.
NOV 2026	07	Ch5- LIGHT ENERGY (CP8 pg 88 to 102) Unit Test 2 begins from 16 <sup>th</sup> Nov 2026	<ul style="list-style-type: none"> <li>Spherical mirrors</li> <li>Terms related to spherical mirrors</li> <li>Images formed by spherical mirrors</li> <li>Uses of spherical mirrors (CP8 pg 88 to 96)</li> </ul> <b>Syllabus of UT2: Ch 5 Light Energy</b> (CP8 pg 80 to 102)	Important points and notes related to topic will be given. (CP8 pg 88 to 96) Ex A to D – CP8 pg 98 to 102	Experiment to find the focal length of a concave mirror.

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*

Submitted on: *20.09.2026*

Academic Co-ordinator: *Chaitali Roy*

PRINCIPAL

*[Signature]*

VICE PRINCIPAL

*[Signature]*



# ST. LAWRENCE HIGH SCHOOL

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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 class 8 (CP8)

No. of Working Days: 42, 58

No. of Periods Available: 17

Class: 8 Sections: A, B and C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
DEC 2026	06	Ch7- SOUND (CP8 pg 123 to 137)	<ul style="list-style-type: none"> <li>• Sound, Terms related to a wave</li> <li>• Characteristics of sound</li> <li>• Different musical instruments (CP8 pg 123 to 134)</li> </ul>	Important points and notes related to topic will be given. (CP8 pg 123 to 134) Ex A and E – CP8 pg 135 to 137	Activity to demonstrate that loudness of sound depends on the source of sound using a clock.
JAN 2027	08	Ch8- ELECTRICITY (CP8 pg 138 to 168)	<ul style="list-style-type: none"> <li>• Household electricity – electrical energy and power, electric fuse, MCB, circuits, hazards, precautions</li> <li>• Static electricity – conductors insulators, kinds of charges, methods of charging, electroscope (CP8 pg 138 to 149, pg 153 to 163)</li> </ul>	Important points and notes related to topic will be given. (CP8 pg 138 to 168) Ex A to E – CP8 pg 150 to 152 Ex A to D – CP8 pg 165 to 168	Activity to show different parts of an electric fuse. Experiments to show series and parallel circuits using bulbs.
FEB 2027	03	REVISION (CP8 pg 37 to 58, 80 to 102, 123 to 168) 2 <sup>nd</sup> term exam begins from 15 <sup>th</sup> Feb 2027	<b>Syllabus of 2nd term exam:</b> Ch3- Force and pressure; Ch5- Light energy; Ch7- Sound; Ch8- Electricity (CP8 pg 37 to 58, 80 to 102, 123 to 168)	Revision. (CP8 pg 37 to 58, 80 to 102, 123 to 168)	
MAR 2027	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*

Submitted on: *20.04.2026*

Academic Co-ordinator: *Chaitali Roy*

PRINCIPAL

*[Signature]*

VICE PRINCIPAL

*[Signature]*