

**DELHI PUBLIC SCHOOL JAMMU**  
**SYLLABUS BIFURCATION**  
**SESSION- (2024-25)**

**CLASS-XI**

**SUB: Physics (042)**

**Objectives of the Theory:**

1. Strengthen the concepts developed at the secondary stage to provide firm foundation for further learning in the subject.
2. Expose the learners to different processes used in Physics-related industrial and technological applications.
3. Promote problem solving abilities and creative thinking in learners

**Objectives of Practicals**

Develop process-skills and experimental, observational, manipulative, decision making and investigatory skills in the learners.

S.NO.	MONTH	NAME OF THE CHAPTERS
1	APRIL	Ch-02 Units and Measurements Ch-03 Motion in a Straight Line ❖ Foundation worksheet to strengthen the concepts learnt in class IX
2	MAY	Ch-04 Motion in a Plane ❖ Assignment 1 on chapters 2 and 3 and sample paper to give good practice to students before FA I
3	JUNE	Ch-05 Laws of Motion ❖ Discussion and allotment of projects given by CBSE ❖ Revision of concepts through KAHOOT quiz 1
4	JULY	Ch-06 Work, Energy and Power ❖ Checking and assessment of holidays homework given in the month of June
5	AUGUST	Ch-07 System of Particles and Rotational Motion Ch-08 Gravitation Assignment 2 on chapters 4,5 and 6 to strengthen the concepts already taught in class
6	SEPTEMBER	Ch-09 Mechanical Properties of Solids Ch-10 Mechanical Properties of Fluids Sample paper to give good practice to students before Half yearly exams
7	OCTOBER	Ch-10 Mechanical Properties of Fluids (cont.) Ch-11 Thermal Properties of Matter Revision of concepts through KAHOOT quiz 2
8	NOVEMBER	Ch-12 Thermodynamics Ch-13 Kinetic Theory of Gases ❖ Class test based on MCQs and A/R
9	DECEMBER	Ch-14 Oscillations ❖ Learning and practice of experiments done in School Physics Lab using virtual experiment platform through Olabs. ❖ Link of the website

		<a href="https://www.olabs.edu.in/">https://www.olabs.edu.in/</a>
<b>10</b>	JANUARY	Ch-14 Waves ❖ Assignment 3 on syllabus for Final exam to strengthen the concepts and assessment of the concepts already taught in class.
<b>11</b>	FEBRUARY	Revision of the syllabus + Practical Examinations ❖ Practice/revision of Experiments and activities will be given to students before final practical exams
<b>12</b>	MARCH	Final Examinations

## EXAM SCHEDULE

### Syllabus of Cycle test I

Chapter–2: Units and Measurements  
Chapter–3: Motion in a Straight Line  
Chapter–4: Motion in a Plane

### Syllabus of Half-Yearly

Chapter–2: Units and Measurements  
Chapter–3: Motion in a Straight Line  
Chapter–4: Motion in a Plane  
Chapter–5: Laws of Motion  
Chapter–6: Work, Energy and Power  
Chapter–7: System of Particles and Rotational Motion

### Syllabus of Cycle test II

Chapter–8: Gravitation  
Chapter–9: Mechanical Properties of Solids  
Chapter–10: Mechanical Properties of Fluids  
Chapter–11: Thermal Properties of Matter

### Syllabus of Final Examinations

Complete syllabus

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**Subject Coordinator**