

**DELHI PUBLIC SCHOOL JAMMU**  
**SYLLABUS BIFURCATION**  
**SESSION- (2023-24)**

**CLASS-XII**

**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

| S.NO. | MONTH     | NAME OF THE CHAPTERS  |
|-------|-----------|---|
| 1     | APRIL     | Ch-1 Electric Field and Charges<br>Ch-2 Electric Potential & Capacitance<br>❖ Foundation worksheet to strengthen the concepts learnt in class X<br>❖ <b>Experiential activity To make a simple electroscope and use it to detect charges on bodies.</b>                           |
| 2     | MAY       | Ch-3 Current Electricity<br>❖ Assignment 1 on chapters 1,2 and 3 and sample paper to give good practice to students before FA I   |
| 3     | JUNE      | Ch-4&5 Moving Charges and Magnetism<br>❖ Discussion and allotment of projects given by CBSE<br>❖ Revision of concepts through KAHOOT quiz 1   |
| 4     | JULY      | Ch-6 Electromagnetic Induction<br>❖ Checking and assessment of projects given in the month of June  |
| 5     | AUGUST    | Ch-7 Alternating Current<br>Ch-8 E.M. Waves<br>❖ Assignment 2 on chapters 4,5 and 6 to strengthen the concepts already taught in class  |
| 6     | SEPTEMBER | Ch-9 Ray Optics and Instruments<br>❖ Sample paper to give good practice to students before Half yearly exams  |
| 7     | OCTOBER   | Ch-10 Wave Optics<br>Ch-11 Dual Nature of Matter and Radiations<br>❖ Revision of concepts through KAHOOT quiz 2   |
| 8     | NOVEMBER  | Ch-14 Electronic Devices<br>Ch 12 Atoms<br>❖ Class test based on MCQs and A/R<br>❖ Sample paper to give good practice to students before Pre board exams<br>❖ Assignment 3 on syllabus for pre board I exam to strengthen and assessment of the concepts already taught in class. |
| 9     | DECEMBER  | <b>PREBOARD I + CH13 Nuclei</b>   |
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|           |          | ❖ Practice/revision of Experiments and activities will be given to students before final practical exams |
| <b>10</b> | JANUARY  | <b>PREBOARD II</b>   |
| <b>11</b> | FEBRUARY | Revision of the syllabus + Practical Examinations  |
| <b>12</b> | MARCH    | Board exams  |

## EXAM SCHEDULE

### Syllabus of Formative Assessment-1

Ch-1 Electric Field and Charges  
 Ch-2 Electric Potential & Capacitance  
 Ch-3 Current Electricity

### Syllabus of Half-Yearly

Ch-1 Electric Field and Charges  
 Ch-2 Electric Potential & Capacitance  
 Ch-3 Current Electricity  
 Ch-4 Moving Charges and Magnetism  
 Ch-5 Magnetism and Matter  
 Ch-6 Electromagnetic Induction  
 Ch-7 Alternating Current  
 Ch-8 E.M. Waves

### Syllabus of Pre-Board 1

Ch-1 Electric Field and Charges  
 Ch-2 Electric Potential & Capacitance  
 Ch-3 Current Electricity  
 Ch-4 Moving Charges and Magnetism  
 Ch-5 Magnetism and Matter  
 Ch-6 Electromagnetic Induction  
 Ch-7 Alternating Current  
 Ch-8 E M Waves  
 Ch-9 Ray Optics and Instruments  
 CH-10 Wave Optics  
 Ch-11 Dual Nature of Matter and Radiation  
 Ch-14 Electronic Devices

### Syllabus of Pre-Board-2

Complete syllabus

**Subject Coordinator**

**Academic Coordinator**