

**MAYO COLLEGE, AJMER**  
**SUBJECT CURRICULUM (AY 2022-23)**  
**SUBJECT - PHYSICS**  
**CLASS – XII (CBSE)**

<b>Exam</b>	<b>Curriculum</b>
<b>Periodic Assessment I July 2022</b>	Chapter–1: Electric Charges and Fields Chapter–2: Electrostatic Potential and Capacitance Chapter–3: Current Electricity Chapter–4: Moving Charges and Magnetism
<b>Periodic Assessment II September 2022</b>	Chapter–5: Magnetism and Matter Chapter–6: Electromagnetic Induction Chapter–7: Alternating Current Chapter–8: Electromagnetic Waves Chapter–9: Ray Optics and Optical Instruments
<b>Half Yearly November 2022</b>	Chapter–10: Wave Optics Chapter–11: Dual Nature of Radiation and Matter Chapter–12: Atoms Chapter–13: Nuclei Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits
<b>Pre-Board I January 2023</b>	<b>Complete syllabus as per CBSE curriculum</b>
<b>Pre-Board II February 2023</b>	<b>Complete syllabus as per CBSE curriculum</b>

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**CLASS – XI (CBSE)**

<b>Exam</b>	<b>Curriculum</b>
<b>Periodic Assessment I</b> <b>July 2022</b>	Chapter–2: Units and Measurements Chapter–3: Motion in a Straight Line (Brief Idea) Chapter–5: Laws of Motion (Brief Idea) Chapter–6: Work, Energy and Power (Brief Idea) Chapter–8: Gravitation (Brief Idea)
<b>Periodic Assessment II</b> <b>September 2022</b>	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
<b>Periodic Assessment III</b> <b>November 2022</b>	Chapter–8: Gravitation Chapter–9: Mechanical Properties of Solids Chapter–10: Mechanical Properties of Fluids Chapter–11: Thermal Properties of Matter
<b>Finals</b> <b>February 2023</b>	Chapter–12: Thermodynamics Chapter–13: Kinetic Theory Chapter–14: Oscillations Chapter–15: Waves <b>Complete syllabus as per CBSE curriculum</b>

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**CLASS – X (CBSE)**

<b>Exam</b>	<b>Curriculum</b>
<b>Periodic Assessment I July 2022</b>	<b><u>Unit III: Natural Phenomena</u></b> Chapter: Light - Reflection & Refraction
<b>Periodic Assessment II September 2022</b>	<b><u>Unit III: Natural Phenomena</u></b> Chapter: Light - Reflection & Refraction  Chapter: Human Eye & Colourful World  <b><u>Unit IV: Effects of Current</u></b> Chapter: Electricity
<b>Half Yearly November 2022</b>	<b><u>Unit III: Natural Phenomena</u></b> Chapter: Light - Reflection & Refraction  Chapter: Human Eye & Colourful World  <b><u>Unit IV: Effects of Current</u></b> Chapter: Electricity Chapter: Magnetic Effects of Current
<b>Pre Board I January 2023</b>	<b>Complete syllabus as per CBSE curriculum</b>
<b>Pre Board II February 2023</b>	<b>Complete syllabus as per CBSE curriculum</b>

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**SUBJECT CURRICULUM (AY 2022-23)**  
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**CLASS – IX (CBSE)**

<b>Exam</b>	<b>Curriculum</b>
<b>Periodic Assessment I</b> <b>July 2022</b>	<b><u>Unit III: Motion, Force &amp; Work</u></b> Chapter: Motion
<b>Periodic Assessment II</b> <b>September 2022</b>	<b><u>Unit III: Motion, Force &amp; Work</u></b> Chapter: Force and Laws of Motion  Chapter: Gravitation
<b>Periodic Assessment III</b> <b>November 2022</b>	<b><u>Unit III: Motion, Force &amp; Work</u></b> Chapter: Floatation  Chapter: Work, Energy and Power
<b>Finals</b> <b>February 2023</b>	<b><u>Unit III: Motion, Force &amp; Work</u></b> Chapter: Force and Laws of Motion  Chapter: Work, Energy and Power  Chapter: Sound

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**SUBJECT CURRICULUM (AY 2022-23)**  
**SUBJECT - PHYSICS**  
**CLASS – IX (CIE)**

<b>Exam</b>	<b>Curriculum</b>
<b>Periodic Assessment I July 2022</b>	P1 – Making Measurements P2 – Describing Motion P3 – Force and Motion
<b>Periodic Assessment II September 2022</b>	P4 – Turning Effects of Force P5 – Force and Matter P6 – Energy Transformation P7 – Energy Resources
<b>Periodic Assessment III November 2022</b>	P8 – Work and Power P9 – The Kinetic Model of Matter P10 – Thermal Properties of Matter P11 – Thermal (Heat) Energy transfer
<b>Finals February 2023</b>	P12 – Sound P13 – Light <b>Complete syllabus as per CIE curriculum</b>

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**SUBJECT CURRICULUM (AY 2022-23)**  
**SUBJECT - PHYSICS**  
**CLASS – VIII (CIE)**

Exam	Curriculum
<b>Quarterly</b> <b>September 2022</b>	<p><b>Forces</b></p> <ul style="list-style-type: none"> <li>• Forces &amp; its Effects</li> <li>• Types of Forces</li> <li>• Buoyancy – Floating and Sinking</li> </ul> <p><b>Energy</b></p> <ul style="list-style-type: none"> <li>• Concept of Energy &amp; its Types</li> <li>• Energy Conservation</li> <li>• Heating and Cooling</li> <li>• Modes of Heat Transfer – Conduction, Convection and Radiation</li> <li>• Evaporation</li> </ul>
<b>Half Yearly</b> <b>November 2022</b>	<p><b>Electricity</b></p> <ul style="list-style-type: none"> <li>• Concept of Electric Current</li> <li>• Voltage and Resistance</li> <li>• Series and Parallel Circuits – Measuring Current and Voltage</li> </ul> <p><b>Sound</b></p> <ul style="list-style-type: none"> <li>• Concept of Waves &amp; terms related to it</li> <li>• Sound as a wave</li> <li>• Characteristics of Sound – Loudness and Pitch</li> <li>• Interference</li> </ul>
<b>Finals</b> <b>March 2023</b>	<p><b>Astronomy</b></p> <ul style="list-style-type: none"> <li>• Collisions</li> <li>• Observing the Universe</li> <li>• Solar System</li> </ul> <p><b>Recap of all the concepts covered</b></p>