

**NAVY EDUCATION SOCIETY ,NAVY CHILDREN SCHOOL**  
**SCIENCE SPLIT UP SYLLABUS FOR ACADEMIC YEAR 2024-2025 CLASS X**

MONTH	CHAP. No.	CHAPTER NAME	SUGGESTED ACTIVITIES
		<b>TERM 1</b>	
APRIL  TO  JUNE	CH-1	CHEMICAL REACTIONS AND EQUATIONS	<ul style="list-style-type: none"> <li>● Performing and observing the following reactions and classifying them into:               <ul style="list-style-type: none"> <li>A. Combination reaction</li> <li>B. Decomposition reaction</li> <li>C. Displacement reaction</li> <li>D. Double displacement reaction:                   <ul style="list-style-type: none"> <li>(i) Action of water on quicklime (ii)Action of heat on ferrous sulphate crystals</li> <li>(iii) Iron nails kept in copper sulphate solution</li> <li>(iv) Reaction between sodium sulphate and barium chloride solutions.</li> </ul> </li> </ul> </li> </ul>
	CH-6	LIFE PROCESSES	<ul style="list-style-type: none"> <li>● Preparing a temporary mount of leaf peel to show stomata.</li> </ul>
	CH-10	LIGHT REFLECTION AND REFRACTION	<ul style="list-style-type: none"> <li>● Experimentally show that carbon dioxide is given out during respiration</li> <li>● Focal length of concave mirror and convex lens</li>   <li>● Refraction of light through glass slab.</li> </ul>

PT1	2.5 chapters	04 July 24 to 12 July24	<b>PT1 Syllabus-Physics-Light reflection &amp; refraction (till Glass slab)</b>  <b>Chemistry –Chemical reactions &amp; equations</b>  <b>Biology-Life Processes</b>
JULY	CH-6	CONTROL & COORDINATION	<ul style="list-style-type: none"> <li>• Conduct an experiment to show photo-tropism</li> </ul>
	CH-2	ACIDS BASES AND SALTS	<ul style="list-style-type: none"> <li>• Studying the properties of acids bases and salts.</li> <li>• . Finding the pH of different samples by using pH paper/universal indicator. : <ul style="list-style-type: none"> <li>(i) Dilute Hydrochloric Acid</li> <li>(ii) Dilute NaOH solution</li> <li>(iii) Dilute Ethanoic Acid</li> <li>(iv) Lemon juice</li> <li>(v) Water</li> <li>(vi)Dilute Hydrogen Carbonate</li> </ul> </li> </ul>
	CH-9	LIGHT REFLECTION AND REFRACTION (CONTD.)	<ul style="list-style-type: none"> <li>• Image formation in convex lens.</li> </ul>
	CH-10	HUMAN EYE AND THE COLOURFUL WORLD (FULL CHAPTER)	<ul style="list-style-type: none"> <li>• Tracing the path of the rays of light through a glass prism</li> </ul>



		<b>TERM-2</b>	
OCTOBER  <b>Syllabus completion by last week of October</b>	CH-4  CH-7  CH-8  CH-12	CARBON AND ITS COMPOUNDS  HOW DO ORGANISMS REPRODUCE?  HEREDITY  MAGNETIC EFFECT OF ELECTRIC CURRENT	<ul style="list-style-type: none"> <li>• Studying the properties of Acetic acid</li> <li>• Identification of different parts of an embryo of a dicot seed (Pea, gram or red kidney bean)</li> <li>• Combination of resistors</li> </ul>
NOVEMBER  <b>First Preboard</b>		<ul style="list-style-type: none"> <li>• Revision for Pre board exam</li> </ul> <p><b>11 Nov -20 Nov 24</b></p>	
DECEMBER  <b>Second Preboard</b>		<b>5 Dec – 20 Dec 24</b>	
JANUARY		Revision for board exam	
FEBRUARY		(REVISION FOR BOARD EXAMINATION)	<b>ANNUAL EXAMINATION</b>
MARCH		<b>BOARD EXAMINATION 24-25</b>	

**CLASS 10 PT-I EXAMINATION SCIENCE BLUEPRINT 24-25**

	<b>NAME OF CHAPTER</b>	<b>1MARKS</b>	<b>2MARKS</b>	<b>3MARKS</b>	<b>4MARKS</b>	<b>TOTAL</b>
		<b>M(Q)</b>	<b>M(Q)</b>	<b>M(Q)</b>	<b>CASE/DATA BASED M(Q)</b>	<b>M(Q)</b>
<b>PHYSICS</b> <b>13 MARKS</b>	LIGHT REFLECTION AND REFRACTION (TILL GLASS SLAB)	1(3)	2(2)	3(2)		<b>13(7)</b>
<b>CHEMISTRY</b> <b>13 MARKS</b>	CHEMICAL REACTIONS AND EQUATIONS	1(5)	2(2)		4(1)	<b>13(8)</b>
<b>BIOLOGY</b> <b>14 MARKS</b>	LIFE PROCESSES	1(2)	2(1)	3(2)	4(1)	<b>14(6)</b>
<b>SCIENCE</b>	<b>3 CHAPTERS</b>	<b>10(10)</b>	<b>10(5)</b>	<b>12(4)</b>	<b>8(2)</b>	<b>40(21)</b>

**HALF YEARLY EXAMINATION CLASS- X, SCIENCE**  
**BLUE PRINT 24-25**

S.No.	NAME OF THE CHAPTER	1-MARK	2-MARKS	3-MARKS	5-MARKS	4-MARKS CASE/ DATA BASED	TOTAL
1	CHEMICAL REACTIONS AND EQUATIONS	1(5)	-	-	5(1)	-	10(6)
2	ACIDS, BASES AND SALTS	1(2)	2(1)	3(1)	-	4(1)	11(5)
3	METALS AND NONMETALS (TILL PROPERTIES OF IONIC COMPOUNDS)	1(1)	-	3(1)	-		4(2)
4	LIFE PROCESSES	1(3)	-	3(1)	-	4(1)	10(5)
5	CONTROL AND COORDINATION	1(6)	2(3)	3(1)	5(1)	-	20(11)
6	LIGHT-REFLECTION AND REFRACTION	1(1)	2(1)	3(1)	-	4(1)	10(4)
7	HUMAN EYE AND COLOURFUL WORLD	1(1)	2(1)	3(1)	5(1)	-	11(4)
8	ELECTRICITY	1(1)	-	3(1)	-	-	4(2)
	<b>TOTAL</b>	<b>20(20)</b>	<b>12(6)</b>	<b>21(7)</b>	<b>15(3)</b>	<b>12(3)</b>	<b>80(39)</b>

**CLASS 10-SCIENCE PRE-BOARD BLUE PRINT 24-25**

STREAM WISE WEIGHTAGE	CHAPTER NAME	1MARKS	2MARKS	3MARKS	5MARKS	CASE /DATA BASED 4M	CHAPTER WISE WEIGHTAGE /TOTAL MARKS
<b>CHEMISTRY-25</b>	CHEMICAL REACTIONS	3	-	1	-	-	6
	ACID, BASES & SALTS	3	-	-	-	-	3
	METALS & NON-METALS	1	1	1	-	1	10
	CARBON & ITS COMPOUNDS	1	-	-	1	-	6
<b>BIOLOGY-30</b>	LIFE PROCESSES	3	1	1	-	-	8
	CONTROL & COORDINATION	2	1	-	-	-	4
	HOW DO ORGANISMS REPRODUCE	1	-	-	1	-	6
	HEREDITY & EVOLUTION	3	-	-	-	1	7
<b>PHYSICS-25</b>	LIGHT- REFLECTION	-	-	2	-	1	10
	THE HUMAN EYE	-	1	-	-	-	2
	ELECTRICITY	2	-	-	1	-	7
	MAGNETIC EFFECTS	3	-	1	-	-	6
<b>BIOLOGY</b>	OUR ENVIRONMENT	-	1	1	-	-	5
<b>TOTAL QUESTIONS</b>		<b>20</b>	<b>6</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>39</b>
<b>TOTAL MARKS</b>		<b>20</b>	<b>12</b>	<b>21</b>	<b>15</b>	<b>12</b>	<b>80</b>

**CLASS 10 SCIENCE COMMON FINAL EXAM BLUE PRINT 24-25**

CHAPTER NO.	CHAPTER NAME	1M	2M	3M	5M	CASE- BASED (4M)	TOTAL MARKS
1	Chemical reactions and equations	3		1			6
2	Acids, bases and salts	2		1			5
3	Metals and non- metals	2	1			1	8
4	Carbon and its compounds	1			1		6
6	Life Processes	3	2	1			10
7	Control & Coordination	1	1				3
8	How do organisms reproduce?				1		5
9	Heredity and evolution	3				1	7
15	Our Environment		1	1			5
10	Light Reflection and Refraction			1		1	7
11	Human Eye and the colorful world		1	1			5
12	Electricity	2			1		7
13	Magnetic effects of electric current	3		1			6
<b>Total questions</b>		<b>20</b>	<b>6</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>39Q</b>
<b>Total marks</b>		<b>20</b>	<b>12</b>	<b>21</b>	<b>15</b>	<b>12</b>	<b>80Marks</b>

- Section A comprises 16 MCQs and 4 Assertion-Reason questions
- Rest of the question paper will have the same format as Class X Sample Question Paper