



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Lesson Plan
Session 2023- 2024
Class: X

Subject : Chemistry
Book : Science (NCERT) - X

Subject Coordinator
Name: A. Dutta

Head of Department
Name: Ms. Agnita Naha



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2023 - 2024

Subject : Chemistry

Class : X No. of period: 3

Month	Assessed in	Lesson/s to be covered (if partly covered, till where?)	Period Count
March +April	Test I + Pre-board Exams + Board Exams	Chemical Reaction & Equations (partial)	7
May+june	Test II + Pre-board Exams + Board Exams	Chemical Reaction & Equations (complete)	13
July	Test III+Pre- board Exams + Board Exams	Acids, Bases and Salts (partial)	12
August	Pre-board Exams + Board Exams	Acids, Bases and Salts (complete) + Metals and Non metals (partial)	10
September	Test III + Pre-board Exams + Board Exams	Metals and Non-metals (complete) + Carbon and its Compounds (partial)	10
October	Pre-board Exams + Board Exams	Carbon and its Compounds (complete)	9
November	Pre-board Exams + Board Exams	Revision	11
December		Revision	12
January		Revision	9

February		Board Exams	5
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Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur Monthly lesson plan overview Session: 2023 - 2024

Subject : Chemistry **Class** : 10
Book : Science (NCERT) - 10 **No. of period** : 3

Date/week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)
20/3/23	25/3/23	Chemical Reactions- Introduction	3	Yes
27/3/23	1/04/23	Balancing of Chemical Equations	3	Yes
3/4/23	7/4/23	Types of Chemical Reactions	1	Yes
10.4.23	15.4.23	Types of Chemical Reactions	2	Yes
17.4.23	22.4.23	Types of Chemical Reactions	1	Yes
24/4/23	29/4/23	Types of Chemical Reactions	3	Yes
1.5.23	6.5.23	Types of Chemical Reactions	2	Yes
8.5.23	13.5.23	Types of Chemical Reactions	3	Yes
15/5/23	20/5/23	Corrosion & Rancidity	3	Yes
22/5/23	27/5/23	Intext questions & Back exercises	3	Yes
29/5/23	3/6/23	Back exercises, Summer break	2	Yes
5/6/23	10/6/23	Summer break	0	

12/6/23	17/6/23	Summer break	0	
19/6/23	24/6/23	Summer break	0	
26/6/23	1/7/23	Acids, Bases & Salts- Introduction and Indicators	2	
3.7.23	8.7.23	Reaction of acid & base with Metals and metal carbonate, metal bicarbonate	3	
10.7.23	15.7.23	Neutralization reaction, Reaction of metallic oxides with acids, Reaction of non-metallic oxide with base	3	
17.7.23	22.7.23	Revision for Test 2. pH	3	
24.7.23	29.7.23	Preparation and uses of Salts	2	
31/7/23	5/8/23	Preparation and uses of Salts	3	
7.8.23	12.8.23	Metals and Non-Metals- Physical properties and Chemical Properties	3	
14.8.23	19.8.23	Reaction of metal with water, Solution of other metal salts	2	
21.8.23	31.8.23	Reaction between metal and non-metal	2	
4/9/23	9/9/23	Extraction of metals	2	
11/9/23	16/9/23	Extraction of metals	3	
18/9/23	23/9/23	Refining of metal, Corrosion	3	
25/9/23	30/9/23	Carbon and its Compounds- Covalent bond	2	
1.10.23	7.10.23	Covalent bond, Allotropes of Carbon	2	
9.10.23	14.10.23	Versatile nature of carbon, Hydrocarbons, IUPAC	3	
16.10.23	21.10.23	Chemical properties of Carbon	3	
23.10.23	28.10.23	Chemical properties of Carbon	1	
30/10/23	4/11/23	Back exercises	3	

6.11.23	11.11.23	Revision	3	
13.11.23	18.11.23	Revision	2	
20.11.23	25.11.23	Revision	2	
27.11.23	2.12.23	Revision	2	
4.12.23	9.12.23	Revision	3	
11.12.23	16.12.23	Revision	3	
18.12.23	23.12.23	Revision	3	
25.12.23	30.12.23	Revision	2	
31/12/23	6/1/24	Winter break		
8.1.24	13.1.24	Revision	3	
15.1.24	20.1.24	Revision	2	
22.1.24	27.1.24	Revision	2	
29.1.24	3.2.24	Revision	3	
5.2.24	10.2.24	Revision	3	
12.2.24	17.2.24	Revision	2	

Subject coordinator: A. Dutta

HOD: Ms. Agnita Naha



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2023- 2024

Subject : Chemistry

Class : X

sections

No. of periods : 96 × 6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1: 04.4.23 to 7.4.23		Period Count: 1	
PD1	Chemical Reactions- Introduction	Read till taught	
Note: Mahavir jayanti - 4/04/23 Good Friday- 7/04/23			
WEEK 2: 10.4.23 to 15.4.23		Period Count: 2	
PD1	Combination Reaction	Read till taught	
PD2	Combination Reaction	Intext Questions/answers	
Note: Baisakhi and Ambedkar Jayanti - 14 April			
WEEK 3: 17.4.23 to 22.4.23		Period Count: 1	
PD1	Decomposition Reaction	Learn the topic taught	
Note : Akhiri Jumma -21.4.23 I'd Ul fitr- 22.4.23			
WEEK 4: 24.4.23 to 29.4.23		Period Count: 3	
PD1	Decomposition Reaction	Learn the topic taught	
PD2	Decomposition Reaction	Revise	
PD3	Displacement Reaction	Revise	
WEEK 5: 1/5/23 to 6/5/23		Period Count: 3	

PD1	Displacement Reaction	Learn the topic taught	
PD2	Double Displacement Reaction	Practice Reactions	
PD3	Double Displacement Reaction	Complete the in-text questions/answers	
WEEK 6- 8/5/23 to 13.5.23		Period Count: 2	
PD1	Revision for test 1	Do the intext questions	
PD2	Revision for test 1	Practice Reactions	
PD3	Oxidation & Reduction	Practice Reactions	
Note: Buddha Purnima - 5.5.23			
WEEK 7 : 8.5.23 to 13.5.23		Period Count: 3	
PD1	Oxidation & Reduction	Complete notes	
PD2	Oxidation & Reduction	Back q/a	
PD3	Corrosion	Back q/a	
WEEK 8: 15/5/23 to 20/5/23		Period Count: 3	
PD1	Corrosion	Learn the topic taught	
PD2	Rancidity	Practice Reactions	
PD3	Rancidity	Complete the in-text questions/answers	
Week 9: 22/5/23 to 27/5/23			
PD1	Notes given	Complete notes	
PD2	Extra questions	Complete the ans of the given questions	
PD3	Intext questions discussion	Intext q/a discussion	
Week 10: 29/5/23 to 3/6/23			
PD1	Back exercises discussion	Back exercises completion	

PD2	Back exercises discussion	Back exercises completion	
Week 11: 5/6/23 to 10/6/23 -Summer break			
Week 12: 12/6/23 to 17/6/23- summer break			
Week13: 19/6/23 to 24/6/23- Summer break			
Week 14: 26/6/23 to 30/6/23- Summer break			
WEEK 15 -1.7.23 to 8.7.23			
			Period Count: 3
PD1	Acids, Bases & Salts- Introduction	Read till taught	
PD2	Indicators	Read till taught	
PD3	Indicators	Read till taught	
WEEK 16 -10.7.23 to 15.7.23			
			Period Count: 3
PD1	Reaction of acid & base with Metals	Practice Reactions	
PD2	Reaction of acid & base with Metals	Practice Reactions	
PD3	Reaction of acid & base with Metals Carbonate and Bicarbonate	Practice Reactions	
WEEK 17 -17.7.23 to 22.7.23			
			Period Count: 3
PD1	Neutralization reaction	Intext q/a	
PD2	Reaction of metallic oxides with acids	Read till taught	
PD3	Reaction of non-metallic oxide with base	Intext q/a	
WEEK 18 -24.7.23 to 29.7.23			
			Period Count: 2
PD1	pH	Read till taught	
PD2	Importance of pH	Intext q/a	
PD3	Preparation and uses of Salts	Back exercises to be done in the notebook	
Note: Moharram - 29.7.23			

WEEK 19 -31.7.23 to 5.8.23		Period Count: 3Metals																																													
PD1	Preparation and uses of Salts	Read till taught																																													
PD2	Metals and Non-Metals- Introduction	Read till taught																																													
PD3	How do organisms reproduce- Importance of variation	Intext q/a																																													
WEEK 20- 7.8.23 to 12.8.23		Period Count: 2																																													
PD1	Physical properties of metals	Read till taught																																													
PD2	Reaction of metal with water	Read till taught																																													
PD3	Reaction of Solution of other metal salts	Read till taught																																													
WEEK 21 -14.8.23 to 19.8.23		Period Count: 2																																													
PD1	Reaction between metal and non-metal	Practice reactions																																													
PD2	Ionic bond	Read till taught																																													
Note: 15/8/23- Independence day																																															
<table> <tr> <td colspan="2">WEEK 22 -21/8/23 to 26/8/23</td><td colspan="2">Period Count: 3</td></tr> <tr> <td>PD1</td><td>Ionic bond formation</td><td>Practice reactions</td><td></td></tr> <tr> <td>PD2</td><td>Extraction of metals</td><td>Practice reactions</td><td></td></tr> <tr> <td>PD3</td><td>Extraction of metals</td><td>Intext q/a</td><td></td></tr> <tr> <td colspan="2">WEEK 23 : 28/08/23 to 2/9/23</td><td colspan="2">Period Count: 2</td></tr> <tr> <td>PD1</td><td>Extraction of metals</td><td>Read till taught</td><td></td></tr> <tr> <td>PD2</td><td>Extraction of metals</td><td>Back exercises</td><td></td></tr> <tr> <td colspan="4">Note- Rakshabandhan- 31/8/2023</td></tr> <tr> <td colspan="2">WEEK 24 - 4/09/23 to 9/09/23</td><td colspan="2">Period Count: 2</td></tr> <tr> <td>PD1</td><td>Refining of metal</td><td>Read till taught</td><td></td></tr> <tr> <td>PD2</td><td>Refining of metal</td><td>Intext q/a</td><td></td></tr> </table>				WEEK 22 -21/8/23 to 26/8/23		Period Count: 3		PD1	Ionic bond formation	Practice reactions		PD2	Extraction of metals	Practice reactions		PD3	Extraction of metals	Intext q/a		WEEK 23 : 28/08/23 to 2/9/23		Period Count: 2		PD1	Extraction of metals	Read till taught		PD2	Extraction of metals	Back exercises		Note- Rakshabandhan- 31/8/2023				WEEK 24 - 4/09/23 to 9/09/23		Period Count: 2		PD1	Refining of metal	Read till taught		PD2	Refining of metal	Intext q/a	
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Note- Rakshabandhan- 31/8/2023																																															
WEEK 24 - 4/09/23 to 9/09/23		Period Count: 2																																													
PD1	Refining of metal	Read till taught																																													
PD2	Refining of metal	Intext q/a																																													

Note: Shree Krishna Janmashtami- 7/9/23

Week 25 : 11/09/23- 16/09/23

PD1	Corrosion	Read till taught	
PD2	Corrosion	Intext q/a	
PD3	Back Exercises	Compete q/a	

Week 26 : 18/9/23- 23/9/23

PD1	Carbon and its Compounds- Importance of Carbon	Read till taught	
PD2	Covalent bond	Intext q/a	
PD3	Covalent bond	Read till taught	

Week 27 : 25/9/23- 30/9/23

PD1	Allotropes of Carbon	Intext q/a	
PD2	Allotropes of Carbon	Read till taught	
Note: Barawafat - 28/09/23			

WEEK 28 - 2/10.23 to 7/10/23

Period Count: 2

PD1	Versatile nature of carbon	Read till taught	
PD2	Hydrocarbons,	Read till taught	

Note- Gandhi Jayanti - 2.10.23

WEEK 29 -9.10.23 to 14.10.23

Period Count: 3

PD1	Hydrocarbons	Read till taught	
PD2	Hydrocarbons	Read till taught	

PD3	IUPAC	Practice questions related to nomenclature	
WEEK 30- 16.10.23 to 21.10.23		Period Count: 3	
PD1	Chemical properties of Carbon	Read till taught	
PD2	Chemical properties of Carbon	Read till taught	
PD3	Chemical properties of Carbon	Read till taught	
WEEK 31 -23.10.23 to 28/10/23		Period Count: 1	
PD1	Chemical properties of Carbon	Back exercises	
PD2	Chemical properties of Carbon	Complete back exercises	
PD3	Soap	Complete the workbook	
Note - 27- 10.23 to 24.10.23 - Asthami, Navmi, Dusshera Valmiki Jayanti- 28.10.23			
WEEK 32- 30/10/23 to 4/11/23		Period Count: 3	
PD1	Revision	Read till taught	
PD2	Revision	Read till taught	
PD3	Revision	Read till taught	
WEEK 33 - 6/11/23 to 11/11/23		Period Count: 3	
PD1	Revision	Read till taught	
PD2	Revision	Read till taught	
PD3	Revision	Read till taught	
WEEK 34 - 13.11.23 to 18.11.23		Period Count: 2	
PD1	Revision	Read till taught	
PD2	Revision	Read till taught	
PD3	Revision	Read till taught	

Note- Deepawali Holidays - 10.11.23 to 14.11.23			
WEEK 35 -20.11.23 to 25.11.23		Period Count: 2	
PD1	Revision	Revise	
PD2	Revision/NCERT exemplar	Revise	
PD3	Revision /NCERT exemplar	Revise	
Note- Guru Tej Bahadur Balidan Diwas- 24.11.23			
WEEK 36 -27.11.23 to 2.12.23		Period Count: 2	
PD1	Revision /NCERT exemplar	Complete the revision work in the notebook	
PD2	Workbook	Complete the worksheet	
PD3	Workbook	Complete the worksheet	
Note- Gurunanak Jayanti - 27.11.23			
WEEK 37 -4.12.23 to 9.12.23		Period Count: 3	
PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
WEEK 38 -11.12.23 to 16.12.23		Period Count: 3	
PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
WEEK 39 -18.12.23 to 23.12.23		Period Count: 3	
PD1	Revision	Practice reactions	
PD2	Revision	Practice reactions	

PD3	Revision	Complete revision questions in the notebook	
WEEK 40 -25.12.23 to 30.12.23		Period Count: 2	
PD1	Revision	Complete written work in the notebook	
PD2	Revision	Complete written work	
PD3	Revision	Complete worksheets	
Note- Christmas Day- 25.12.23			
WEEK 41 -8.1.24 to 13.1.24		Period Count: 3	
PD1	Revision	Read till taught	
PD2	Revision	Read till taught	
PD3	Revision	Read till taught	
WEEK 42-15.1.24 to 20.1.24		Period Count: 2	
PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
Note- Makar sankranti - 15.1.24 Guru Govind Singh Jayanti - 17.1.24			
WEEK 43 -22.1.24 to 27.1.24		Period Count: 2	
PD1	Revision	Read till taught	
PD2	Revision	Read till taught	
PD3	Revision	Read till taught	
Note- Republic Day - 26.1.24			
WEEK 44 -29.1.24 to 3.2.24		Period Count: 3	
PD1	Revision	Revise	

PD2	Revision	Revise	
PD3	Revision	Do the revision questions	
WEEK 45 -5.2.24 to 10.2.24		Period Count: 3	
PD1	Workbook	Complete work sheet	
PD2	Workbook	Complete work sheet	
PD3	Revision	Revision questions to be done in the notebook	
WEEK 46 -12.2.24 to 17.2.24		Period Count: 2	
PD1	Revision	Revision questions to be done in the noteboo	
PD2	Revision	Revision questions to be done in the noteboo	
PD3	Revision	Revision questions to be done in the notebook	
Note- Basant Panchami - 14.2.24			

Subject coordinator: A. Dutta

HOD: Ms. Agnita Naha