



Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2025 - 2026
Class: X

Subject : Science (086)
Book : NCERT

Subject Coordinator
Name: Hemant Verma

Sign:

Head of Department
Name: Agnita Naha

Sign:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2025 - 2026

Subject : Science 086

Class : 10

No. of periods :

Month	Assessed in	Lesson/s to be covered	Period Count
April	PT1/ Half Yearly / Pre-Boards	Chemical Reactions and Equations	
April	PT1/ Half Yearly / Pre-Boards	Life Processes (Partial)	
April	PT1/ Half Yearly / Pre-Boards	Light (Partial)	
May	Half Yearly / Pre-Boards	Light (Complete)	
May	Half Yearly / Pre-Boards	Life Processes (Complete)	
May	Half Yearly / Pre-Boards	Acids, Bases and Salts	
June	Half Yearly / Pre-Boards	Control and Coordination	
July	Half Yearly / Pre-Boards	Human Eye and Colourful World	
July	Half Yearly / Pre-Boards	Metals and Non-Metals	
Aug	Half Yearly / Pre-Boards	How do organisms reproduce?	
Aug	Half Yearly / Pre-Boards	Electricity	
Sep	Pre-Boards	Our Environment	
Sep	Pre-Boards	Carbon and its Compounds	
Oct	Pre-Boards	Heredity	
Oct	Pre-Boards	Magnetic Effects of current	
Nov	NA	Practical	
Dec	NA	Revision	
Jan	NA	Revision	

Subject coordinator: HVA

HOD: ANA



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly Syllabus/Planning overview

Session: 2025 - 2026

Subject : Science 086 Class : 10 No. of periods : 242

Month	Date/Week		Lesson/s to be covered in classroom	Period Count
	From	To		
April	03.04.25	15.04.25	Chemical Reactions and Equations	
April	16.04.25	26.04.25	Life Processes (Partial)	
April	28.04.25	31.04.25	Light (Partial)	
May	01.05.25	10.05.25	Light (Complete)	
May	12.05.25	20.05.25	Life Processes (Complete)	
May	21.05.25	31.05.25	Acids, Bases and Salts (Partial)	
June	26.06.25	30.06.25	Control and Coordination	
July	01.07.25	08.07.25	Human Eye and Colourful World	
July	09.07.25	22.07.25	Metals and Non-Metals	
July	24.07.25	31.07.25	How do organisms reproduce?	
Aug	01.08.25	14.08.25	Electricity	
Aug	15.08.25	20.08.25	Our Environment	
Aug	25.08.25	31.08.25	Carbon and its Compounds (Partial)	
Sep	01.09.25	06.09.25	Carbon and its Compounds (Complete)	
Sep	08.09.25	26.09.25	Revision – Half Yearly	
Oct	06.10.25	15.10.25	Heredity	
Oct	16.10.25	31.10.25	Magnetic Effects of current	
Nov	01.11.25	30.11.25	Practical	

Dec	01.12.25	31.12.25	Revision	
Jan	07.01.26	31.01.26	Revision	

Subject coordinator:

HOD:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2025 - 2026

Subject : Science 086 **Class** : 10 **No. of periods** : 242

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1: 03.04.25 to 05.04.25		Period Count: 3	
PD1	Chemical Reactions and equations- Introduction	Read till taught	Yes
PD2	Chemical Equations-Writing and balancing	Practice balancing	Yes
PD3	Balancing	Practice balancing	Yes
WEEK 2: 07.04.25 to 11.04.25		Period Count: 5	
PD1	Balancing	Back exercises - related questions	Yes
PD2	Types of Reactions – 1	Read till taught	Yes
PD3	Types of Reactions – 2	Read till taught	Yes
PD4	Types of Reactions – 3	Read till taught	Yes
PD5	Types of Reactions – 4	Intext q/a	Yes
WEEK 3: 14.04.25 to 19.04.25		Period Count: 7	
PD1	Types of Reactions – 5	Read till taught	Yes

PD2	Corrosion and Rancidity	Read till taught	Yes
PD3	Back Exercises	Q/A	Yes
PD4	Surprise Test	-	Yes
PD5	Life Processes - Introduction	Read till taught	Yes
PD6	Nutrition - Photosynthesis	Intext q/a	Yes
PD7	Heterotrophic - Amoeba	Diagram -nutrition in amoeba	Yes

WEEK 4: 21.04.25 to 26.04.25
Period Count: 7

PD1	Heterotrophic – Human Being	Read till taught	
PD2	Heterotrophic – Human Being	Diagram - Human alimentary canal	
PD3	Heterotrophic – Human Being	Read till taught	
PD4	Respiration - Plants	Read till taught	
PD5	Respiration – Human Beings	Read till taught	
PD6	Respiration – Human Beings	Diagram -Human respiratory system	
PD7	Related Back Questions	Q/A	

WEEK 5: 28.04.25 to 03.05.25
Period Count: 7

PD1	Surprise Test	-	
PD2	Light – Introduction	Read till taught	
PD3	Reflection - Basics	Read till taught	
PD4	Spherical Mirrors	Read till taught	

PD5	Spherical Mirrors – Ray Diagram	Practice ray diagrams	
PD6	Spherical Mirrors - Numerical	Practice numericals	
PD7	Refraction – Refractive Index	Read till taught	

WEEK 6: 05.05.25 to 10.05.25
Period Count: 7

PD1	Glass Slab	Read till taught	
PD2	Spherical Lenses	Read till taught	
PD3	Spherical Lenses – Ray Diagram	Practice ray diagrams	
PD4	Spherical Lenses - Numerical	Practice numericals	
PD5	Numerical	Practice numericals	
PD6	Back Exercises	Q/A	
PD7	Surprise Test	-	

WEEK 7: 13.05.25 to 17.05.25
Period Count: 5
- PT1

PD1	Transportation - Plants	Read till taught	
PD2	Transportation – Human Beings	Read till taught	
PD3	Transportation – Human Beings	Diagram -Human heart	
PD4	Excretion – Human Beings	Diagram- Human excretory system	
PD5	Excretion – Plants	Diagram - Nephron	

WEEK 8: 19.05.25 to 24.05.25
Period Count: 7

PD1	Related Back Exercises	Q/A	
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PD2	Surprise Test	-	
PD3	Acids,Bases and Salts- Introduction	Read till taught	
PD4	Acids - Properties and Reactions	Intext questions	
PD5	Bases - Intro	Read till taught	
PD6	Bases - Properties and Reactions	Intext questions	
PD7	Salts - Intro	Read till taught	

WEEK 9: 26.05.25 to 31.05.25
Period Count: 7

PD1	Salts - Applications	Read till taught	
PD2	Salts - Applications	Read till taught	
PD3	Salts - Applications	Intext q/a	
PD4	Back Exercises	Q/A	
PD5	Surprise Test	-	
PD6	Control and Coordination - Intro	Read till taught	
PD7	Nervous System	Diagram - neuron	

Summer Break Weeks: 10 - 14
WEEK 15: 30.06.25 to 05.07.25
Period Count: 7

PD1	Human Brain	Read till taught	
PD2	Human Brain	Diagram - Human brain	
PD3	Coordination in Plants	Read till taught	

PD4	Coordination in Plants	Read till taught	
PD5	Endocrine System	Diagram - male and female endocrine system	
PD6	Endocrine System	Read till taught	
PD7	Back Exercises	Q/A	

WEEK 16: 30.06.25 to 05.07.25

Period Count: 7

PD1	Surprise Test	-	
PD2	Human Eye - Intro	Read till taught	
PD3	Defects – Human Eye	Read till taught	
PD4	Defects – Human Eye	Diagram - defects and corrections	
PD5	Defects – Human Eye	Intext q/a	
PD6	Prism	Read till taught	
PD7	Atmospheric Refraction + its application	Read till taught	

WEEK 17: 07.07.25 to 12.07.25

Period Count: 7

PD1	Scattering + its application	Read till taught	
PD2	Intext Questions	Q/A	
PD3	Back Exercises	Q/A	
PD4	Surprise Test	-	
PD5	Metals - intro	Read till taught	
PD6	Metals - Properties and Reactions	Read till taught	

PD7	Metals - Properties and Reactions	Intext q/a	
WEEK 18: 14.07.25 to 19.07.25 Period Count: 7			
PD1	Non-Metals - intro	Read till taught	
PD2	Non-Metals - Properties and Reactions	Read till taught	
PD3	Non-Metals - Properties and Reactions	Intext q/a	
PD4	Ionic Compounds - 1	Read till taught	
PD5	Ionic Compounds - 2	Read till taught	
PD6	Extraction – 1	Read till taught	
PD7	Extraction – 2	Intext q/a	
WEEK 19: 21.07.25 to 26.07.25 Period Count: 7			
PD1	Back Exercises	Q/A	
PD2	Surprise Test	-	
PD3	Reproduction - Intro	Read till taught	
PD4	Asexual Reproduction	Read till taught	
PD5	Asexual Reproduction	Diagrams - binary fission and multiple fission	
PD6	Asexual Reproduction	Diagram - regeneration and budding	
PD7	Sexual Reproduction - Plants	Diagram - longitudinal section of flower	
WEEK 20: 28.07.25 to 02.08.25 Period Count: 7			
PD1	Sexual Reproduction – Human Beings	Diagram - male reproductive system	

PD2	Sexual Reproduction – Human Beings	Diagram - female reproductive system	
PD3	Reproductive Health	Read till taught	
PD4	Reproductive Health	Read till taught	
PD5	Back Exercises	Q/A	
PD6	Surprise Test	-	
PD7	Electricity - Intro	Read till taught	

WEEK 21: 04.08.25 to 09.08.25
Period Count: 7

PD1	Potential Difference	Read till taught	
PD2	Current	Intext q/a	
PD3	Ohm's Law	Read till taught	
PD4	Numerical	Numericals practice	
PD5	Factors on which resistance depend	Read till taught	
PD6	Resistivity	Read till taught	
PD7	Resistance - Series	Numericals practice	

WEEK 22: 11.08.25 to 16.08.25
Period Count: 7

PD1	Resistance - parallel	Numericals practice	
PD2	Heating effects of current - Theory	Read till taught	
PD3	Heating effects of current - Numerical	Intext q/a	
PD4	Back Exercises	Q/A	

PD5	Surprise Test	-	
PD6	Our Environment - Intro	Read till taught	
PD7	Food chain and Food web	Read till taught	

WEEK 23: 18.08.25 to 23.08.25
Period Count: 7

PD1	Biomagnification	Intext q/a	
PD2	10% Law	Read till taught	
PD3	Ozone Layer	Intext q/a	
PD4	Back Exercises	Q/A	
PD5	Surprise Test	-	
PD6	Revision	Revise	
PD7	Doubt Clearance	-	

WEEK 24: 25.08.25 to 30.08.25
Period Count: 7

PD1	Carbon - Intro	Read till taught	
PD2	Tetravalency + Catenation	Read till taught	
PD3	Allotropes	Intext q/a	
PD4	Saturated and Unsaturated Compounds	Read till taught	
PD5	Homologous Series	Read till taught	
PD6	Nomenclature	Practice questions	
PD7	Chemical Properties of Carbon Compounds	Read till taught	

WEEK 25: 01.09.25 to 06.09.25**Period Count: 7**

PD1	Chemical Properties of Carbon Compounds	Read till taught	
PD2	Ethanol – with its properties	Intext q/a	
PD3	Ethanoic Acid – with its properties	Read till taught	
PD4	Soaps and Detergent	Read till taught	
PD5	Back Exercises	Q/A	
PD6	Surprise Test	-	
PD7	Revision	Revise	

WEEK 26: 08.09.25 to 13.09.25**Period Count: 2**

PD1	Revision	Revise	
PD2	Revision	Revise	

**Half Yearly Exams Weeks: 26 and 27
Dussehra Holidays – Week 28****WEEK 29: 06.10.25 to 11.10.25****Period Count: 3**

PD1	Heredity - Intro	Read till taught	
PD2	Mendel's Rules - Monohybrid Cross	Intext q/a	
PD3	Dihybrid Cross	Intextq/a	

WEEK 30: 13.10.25 to 18.10.25**Period Count: 7**

PD1	Sex Determination	Diagram	
PD2	Back Exercises	Q/A	

PD3	Surprise Test	-	
PD4	Magnetic effects of current - Intro	Read till taught	
PD5	Magnetic Field and Field lines and Properties	Read till taught	
PD6	Magnetic field and property of straight wire carrying current – Right Hand Thumb Rule	Intextq/a	
PD7	Magnetic field and property of loop of wire carrying current	Diagram	

Diwali Holidays – Week 31

WEEK 32: 27.10.25 to 01.11.25

Period Count: 7

PD1	Magnetic field and property of current carrying solenoid	Read till taught	
PD2	Flemming's Left-hand Rule	Read till taught	
PD3	Induced EMF	Intext q/a	
PD4	Domestic Electric Circuit	Diagram	
PD5	Safety Devices	Read till taught	
PD6	Back Exercises	Q/A	
PD7	Surprise Test	-	

WEEK 33: 03.11.25 to 08.11.25

Period Count: 7

PD1	Practical – 1	Write in practical notebook	
PD2	Viva - 1		
PD3	Practical – 2	Write in practical notebook	
PD4	Viva – 2		

PD5	Practical – 3	Write in practical notebook	
PD6	Viva – 3		
PD7	Practical – 4	Write in practical notebook	

WEEK 34: 10.11.25 to 15.11.25

Period Count: 7

PD1	Viva – 4		
PD2	Practical – 5	Write in practical notebook	
PD3	Viva – 5		
PD4	Practical – 6	Write in practical notebook	
PD5	Viva – 6		
PD6	Practical – 7	Write in practical notebook	
PD7	Viva – 7		

WEEK 35: 17.11.25 to 22.11.25

Period Count: 7

PD1	Practical – 8	Write in practical notebook	
PD2	Viva – 8		
PD3	Practical – 9	Write in practical notebook	
PD4	Viva - 9		
PD5	Practical – 10	Write in practical notebook	
PD6	Viva - 10		
PD7	Revision	Revise	

WEEK 36: 24.11.25 to 29.11.25**Period Count: 7**

PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
PD4	Revision	Revise	
PD5	Revision	Revise	
PD6	Revision	Revise	
PD7	Revision	Revise	

WEEK 37: 01.12.25 to 06.12.25**Period Count: 3**

PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	

WEEK 38: 08.12.25 to 13.12.25**Period Count: 7**

PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
PD4	Revision	Revise	
PD5	Revision	Revise	
PD6	Revision	Revise	

PD7	Revision	Revise	
WEEK 39: 15.12.25 to 20.12.25 Period Count: 7			
PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
PD4	Revision	Revise	
PD5	Revision	Revise	
PD6	Revision	Revise	
PD7	Revision	Revise	
WEEK 40: 22.12.25 to 27.12.25 Period Count: 7			
PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
PD4	Revision	Revise	
PD5	Revision	Revise	
PD6	Revision	Revise	
PD7	Revision	Revise	
WEEK 41: 28.12.25 to 31.12.25 Period Count: 2			
PD1	Revision	Revise	

PD2	Revision	Revise	
Winter Break: Weeks 41 - 42			
WEEK 42: 08.01.26 to 10.01.226		Period Count: 2	
PD1	Revision	Revise	
PD2	Revision	Revise	
WEEK 43: 12.01.26 to 17.01.226		Period Count: 7	
PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
PD4	Revision	Revise	
PD5	Revision	Revise	
PD6	Revision	Revise	
PD7	Revision	Revise	
WEEK 44: 19.01.26 to 24.01.226		Period Count: 7	
PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
PD4	Revision	Revise	
PD5	Revision	Revise	

PD6	Revision	Revise	
PD7	Revision	Revise	

WEEK 45: 26.01.26 to 31.01.226

Period Count: 7

PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
PD4	Revision	Revise	
PD5	Revision	Revise	
PD6	Revision	Revise	
PD7	Revision	Revise	

WEEK 46: 02.02.26 to 07.02.226

Period Count: 7

PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
PD4	Revision	Revise	
PD5	Revision	Revise	
PD6	Revision	Revise	
PD7	Revision	Revise	

WEEK 47: 09.02.26 to 14.02.226

Period Count: 7

PD1	Revision	Revise	
PD2	Revision	Revise	
PD3	Revision	Revise	
PD4	Revision	Revise	
PD5	Revision	Revise	
PD6	Revision	Revise	
PD7	Revision	Revise	

Subject coordinator
HVA

Supervisor
NSL

Principal/V. Principal



Kamla Nagar, Kanpur

Lesson plan implementation report

Session: 20 - 20

Term :
From Date :
Subject :
Book :

Assessment :
To Date :
Class :
No. of periods :

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Remarks:

Subject coordinator:

HOD: