



BHAVAN'S
BHAGWANDAS PUROHIT VIDYA MANDIR, NAGPUR
CURRICULUM PLAN
(2023-24)

STD: VIII SUBJECT : CHEMISTRY

Abhulani
Smt. Anju Bhutani
Principal
Bhavan's B. P. Vidya Mandir,
Civil lines, Nagpur

as
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Principal
Bhavan's B. P. Vidya Mandir,
Srikrishna Nagar, Nagpur

Vijay
Smt. Vandana Bisen
Principal
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Radhika
Smt. Parwati C. Ver
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Bhavan's B. P. Vidya
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Trimurti Nagar, Nagpur

Rose
Ms. Sarbani Bose
Principal
Bhavan's B. P. Vidya Mandir,
Koradi, Nagpur

Kan
Smt. Raji Srinivasan
Principal
Bhavan's B. P. Vidya Mandir,
Chinchbhuva, Nagpur

S.S.V.
Ms. Janaki Mani
Principal
Bhavan's NTPC Vidya Mandir Mouda

Kirti
Ms. Kirti Mishra
Principal
Bhavan's Lloyds Vidya Niketan, Wardha

Shr.
Smt. Annapoorani Shastri
Director
Bharatiya Vidya Bhavan
Nagpur Kendra.
Nagpur

MONTH	WEEK	NO. OF DAYS	NO. OF PERIODS	NAME OF CHAPTERS	TOPICS AND SUB TOPICS	EXPERIMENTS / ACTIVITIES	SMARTCLASS MODULES	LEARNING OUTCOME/ SDG / SKILL ASSESSED	ASSIGNMENT/EVALUATION
JUNE	20-24	5 DAYS	2	CHAPTER 3- COAL AND PERTOLEUM	Introduction- Exhaustible & inexhaustible natural resources	Activity 3.1 - Classification of materials as Natural and Man-made.	Edu-comp module- Coal, formation of coal, fossil fuel	Students will be able to - * differentiate between exhaustible and inexhaustible natural resources. * understand the process of Coal formation. * compare different coal products.	
	26-27	2 Days	1		Activity 3.2 till fossil fuels	Activity 3.2 - activity exhaustible resource. (popcorn activity)			
	29-30	2 DAYS	1		3.1 – Coal & story of coal, coke, coal tar & coal gas				Textual questions will be discussed and given as home assignment. Few extra questions will be discussed.
JULY	1 to 7 th July	6 DAYS	2	CHAPTER 3- COAL AND PERTOLEUM	3.2 Petroleum		Edu-comp module- Petrol, formation of crude oil	Students will be able to - * understand the process of formation of petrol. * know the refining process of petroleum. * recognise various constituents of petroleum products. * realize the limited natural resources and their conservation. * appreciate the advantage of cleaner fuel -CNG.	
	10 To 15th July	6 DAYS	2		3.2 Petroleum Continue ... (Refining of petroleum)				
	17 To 22nd July	6 DAYS	2		3.3 Natural Gas				
	24 To 31 July	6 DAYS	2		3.3 continue.... Table 3.1	Various Constituents of Petroleum and their uses will be presented in a tabulated form.			

AUGUST	1 To 5th Aug	5 DAYS	1		3.4 Some Natural resources are Limited				Portion Completion for Periodic test I till 5/08/2023.
	7 To 14th Aug	7 DAYS	2		Revision				Diagram practise will be taken in the class.
	17 to 19th Aug	3 DAYS	1		3.4 Continue..... (PCRA)				Periodic Test I - Ch. 3 - Coal and Petroleum (3.1 till Coal gas)
	21 to 26th Aug	6 DAYS	2		Question and Answer discussion.				Textual questions will be discussed and given as home assignment. Few extra questions will be discussed.
	28 To 31th Aug	3 DAYS	1		Subject enrichment activity	Subject Enrichment activity * Jingles on PCRA (Petroleum conservation and research association). Students will write and present jingles on PCRA.	SUSTAINABLE DEVELOPEMENT GOALS Affordable and clean energy. * Responsible Consumption and production of natural resource. SKILLS ASSESSED - * Communication * Creativity * Presentation * Observation		
SEPT	1 to 2nd Sept	2 DAYS	1		Subject enrichment activity continue....				
	4 To 18th Sept	9 DAYS	3		Revision for Term I Ch.03 Coal and petroleum				
PORTION COMPLETION BY 18th SEPTEMBER 2023									
20th to 27th September Revision for Term -1									
Term I Exam from 29th September - 11th October 2023									
DATE OF EXAM (SCIENCE) : 29th September 2023									
OCT	12-14 Oct	6 DAYS	1	CHAPTER 4- COMBUSTION AND FLAME	4.1 What is combustion?	To study the factors essential for combustion	Edu-comp module- Combustion- Air is essential for combustion	Students will be able to understand the process of combustion and the factors essential for combustion	Textual questions will be discussed and given as home assignment. Few extra questions will be discussed.
	16-21 Oct	6 DAYS	2		4.1 Air is essential for burning Activity 4.1	Teacher will demonstrate an activity to explain air is essential for burning.			
	25-27 Oct	3 DAYS	1		4.2 Activity				

NOV	1st To 4th Nov	4 DAYS	1	Ignition Temperature, Inflammable substances		Edu-comp module- Ignition temperature		
	6th To 9th Nov	4 DAYS	1	4.1 continue..... History of Match box			Students will be able to understand the different types of combustion	
DIWALI VACATION : 10th NOVEMBER TO 22th NOVEMBER								
DEC	23rd - 25th Nov	3 DAYS	1	Activity 4.4	Teacher will demonstrate an activity to explain ignition temperature.	Edu-comp module- Zones of candle flames	Students will be able to *Identify the parts of a flame. * Understand the importance and types of fire extinguishers *	
	28,29,30 Nov	3 DAYS	1	4.1 Continue..... Inflammable			learn the use of various fire extinguishers.	
	1st -2nd Dec	2 DAYS	1	4.2 How do we control fire?			* realize various zones of flame and types of combustion.	Textual questions will be discussed and given as home assignment.
	4 To 8Th	5 DAYS	2	4.2 Continue..... Fire extinguisher			* differentiate between different types of fuels on the basis of calorific value.	Few extra questions will be discussed
	11 to 16th	6 DAYS	2	4.3 Types of Combustion			* acquire knowledge on affordable and clean fuels.	
	18th to 22nd	5 DAYS	2	4.3 Continue.....			*discern the effect of pollution on global warming and acid rain.	
	26th To 30Th	5 DAYS	2	4.4 Flame				Diagram practise will be taken in the class.
JAN	1st To 6th Jan	6 DAYS	2	4.5 Structure of Flame				PERIODIC II Date of Exam :16/01/24 Portion : Ch4 : Combustion and flame (4.1, 4.2, 4.3)
	8th To 13th Jan	6 DAYS	2	4.6 What is a fuel?				Textual questions will be discussed and given as home assignment.
	16th To 20th Jan	5 DAYS	2	4.7 Fuel Efficiency				Few extra questions will be discussed.
	22nd To 25th Jan	4 DAYS	1	4.7 Continue Burning of Fuel leads to harmful products.				
	29th to 31th Jan	3 DAYS	1	Question and Answer discussion.				

FEB	1st to 3rd Feb	3 DAYS	1	Subject enrichment activity	Subject Enrichment activity: Comparative study between vehicles running on electricity, petrol and diesel. Students will incorporate research information in the form of graphical representation on PPT. They will also submit their research in the form of research booklet.	Sustainable Development Goals Affordable and clean energy	SKILLS ASSESSED - * Communication * Technical * Creativity * Presentation * Research * Observation * Analytical
	5th To 9Th Feb	5 DAYS	2	Revision			
	12th To 17th Feb	6 DAYS	2	Revision			
PORTION COMPLETION BY 20th FEBRUARY							
REVISION 20th - 28th FEB 2024							
DATE OF EXAM (SCIENCE) : 05/03/2024							
(ANNUAL) TERM-2 EXAM from 2nd - 16th MARCH 2024							
PORTION FOR ANNUAL : CHAPTER 3 : Coal and Petroleum, Chapter 4: Combustion and Flame							

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Smt. Raj Srinivasan
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Ms. Kirth Mishra
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BHAVAN'S B.P. VIDYA MANDIR, NAGPUR

2023-2024

EXAMWISE PORTION DETAILS
SCIENCE-VIII

PERIODIC TEST -I

SUBJECT	PORTION	MARKS
PHYSICS	CHAPTER-8 FORCE AND PRESSURE	08
CHEMISTRY	CHAPTER-3 COAL AND PETROLEUM	04
BIOLOGY	CHAPTER-1 CROP PRODUCTION AND MANAGEMENT	08

TERM I

SUBJECT	PORTION	MARKS
PHYSICS	CHAPTER-8 FORCE AND PRESSURE CHAPTER-9 FRICTION CHAPTER-9 SOUND	30(12+7+11)
CHEMISTRY	CHAPTER-3 COAL AND PETROLEUM	18
BIOLOGY	CHAPTER-1CROP PRODUCTION AND MANAGEMENT CHAPTER-2 MICROORGANISMS: FRIEND AND FOE	32(16+16)

PERIODIC TEST -II

SUBJECT	PORTION	MARKS
PHYSICS	CHAPTER-1 CHEMICAL EFFECTS OF ELECTRIC CURRENT CHAPTER-12 SOME NATURAL PHENOMENON	08(4+4)
CHEMISTRY	CHAPTER-4 COMBUSTION AND FLAME (4.1,4.2,4.3)	04(2+1+1)
BIOLOGY	CHAPTER-5 CONSERVATION OF PLANTS AND ANIMALS CHAPTER-6 REPRODUCTION IN ANIMALS {Till page70 purple box, (Development of Embryo not included)}	08(5+3)

BLUE PRINT FOR TERM I EXAMINATION

SUBJECT	PORTION	CHAPTER WISE WEIGHTAGE	TYPES OF QUESTIONS			
PHYSICS (30 M)	Ch -8 Force and Pressure	12	Q.1, Q.2	Q.16	Q.26	Q.36
	Ch-9 Friction	07	Q.3 Q.4 Q.5	Q.17 Q.18		
	Ch-10 Sound	11	Q.6	Q.19, Q.20	Q.27 Q.28	
	Ch 3 - Coal and Petroleum	18	Q.7, Q.8, Q.9	Q.21 Q.22	Q.29 Q.30	Q.37
CHEMISTRY (18 M)						
BIOLOGY (32 M)	Ch-1 Crop Production and Management	16	Q.10, Q.11, Q.12	Q.23	Q.31 Q.32	Q.38
	Ch-2 Microorganisms: Friend and Foe	16	Q.13 Q.14 Q.15	Q.24, Q.25	Q.33 Q.34 Q.35	
	TOTAL	80	15	20	30	15

BLUE PRINT FOR TERM II EXAMINATION

SUBJECT	PORTION	CHAPTERWISE	1M	2M	3M	5M
PHYSICS (30 M)	Ch-8 Force and Pressure (8.8)	02		Q.16		
	Ch-9 Friction (9.4,9.5)	02		Q.17		
	Ch-10 Sound (10.5, 10.6)	04	Q.1, Q.2	Q.18		
	Ch- 11 Chemical effects of Electric Current	08		Q.19	Q.26	Q.27
	Ch-12 Some Natural Phenomena	07	Q.3, Q.4			Q.36
	Ch-13 Light	07	Q.5, Q.6	Q.20	Q.28	
	Ch-3 Coal and Petroleum	05	Q.7			
	Ch-3 Coal and Petroleum	05		Q.21		
	Ch-4 Combustion and Flame	13	Q.8	Q.9	Q.29	Q.37
					Q.30	
	Ch -1 Crop Production and Management (1.5)	03	Q.10	Q. 23		
	Ch -2 Microorganisms: Friend and Foe (2.6,2.7)	03	Q.11	Q.24		
CHEMISTRY (18 M)	Ch -5 Conservation of Plants and Animals	05	Q.12		Q.31	
	Ch -6 Reproduction in animals	12	Q.14		Q.32	Q.38
			Q.13			
BIOLOGY (32 M)	Ch -7 Reaching the age of Adolescence	09	Q.15	Q.25	Q.34	Q.35
					Q.33	
	TOTAL	80	15	20	30	15

TERM II EXAM (2023-2024)

SUBJECT	PORTION	MARKS
PHYSICS	<u>CHAPTER-8 FORCE AND PRESSURE</u> <u>8.8,8.9,8.10</u> <u>CHAPTER-9 FRICTION</u> <u>9.4,9.5,9.6</u> <u>CHAPTER-10 SOUND</u> <u>10.5</u> <u>CHAPTER-11CHEMICAL EFFECTS OF ELECTRIC CURRENT</u> <u>CHAPTER-12 SOME NATURAL PHENOMENON</u> <u>CHAPTER-13 LIGHT</u>	30(2+2+4++7+7)
CHEMISTRY	<u>CHAPTER -3 COAL AND PETROLEUM</u> <u>5.2,5.3,5.4</u> <u>CHAPTER-4 COMBUSTION AND FLAME</u>	18(6+12)
BIOLOGY	<u>CHAPTER-1 CROP PRODUCTION AND MANAGEMENT (1.5)</u> <u>CHAPTER-2 MICROORGANISMS: FRIEND AND FOE (2.6 & 2.7)</u> <u>CHAPTER-5 CONSERVATION OF PLANTS AND ANIMALS</u> <u>CHAPTER-6 REPRODUCTION IN ANIMALS</u> <u>CHAPTER-7 REACHING THE AGE OF ADOLESCENCE</u>	32(3+3+5+12+9)

BLUE PRINT FOR PERIODIC TEST-1

TOTAL MARKS(20M)	SUBJECTS PORTION	OBJECTIVE(5M) 1M	SUBJECTIVE(15M)		
			2M	3M	5M
8M	PHYSICS CH-11	Q1, Q2,Q3 (CH-8)	Q6(CH-8)	Q8(CH-8)	-
4M	CHEMISTRY CH-3	Q4(CH-3)	-	Q9(CH-3)	-
8M	BIOLOGY CH-1	Q5(CH-1)	Q7(CH-1)	-	Q10(CH-1)

BLUE PRINT FOR PERIODIC TEST II

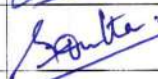
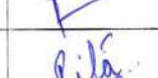
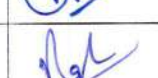
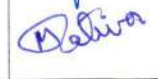
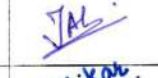
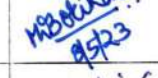
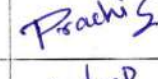
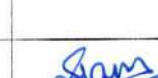
TOTAL MARKS(20M)	SUBJECTS PORTION	OBJECTIVE(5M) 1M	SUBJECTIVE(15M)		
			2M	3M	5M
8M	PHYSICS CH11 & 12	Q1,Q2, (CH-11) Q3(CH-12)	Q6 (CH-11)	Q8(CH-12)	-
4M	CHEMISTRY CH-4	Q4(CH-4)		Q9(CH-4)	-
8M	BIOLOGY CH-5, CH 6(Till page 70)	Q5(CH-6)	Q7(CH-6)	-	Q10 (CH-5)

BHAVAN'S B. P. VIDYA MANDIR, NAGPUR

SESSION: 2023- 24

SUBJECT: CHEMISTRY (VIII)

List of Subject Teachers

S.NO	NAME OF TEACHER	BRANCH	CONTACT NO.	SIGNATURE	Email id
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3	New Teacher	Civil Lines			
4	Smt. Neha Gaurihar	SKN	9923860158		nehagaurihar@gmail.com
5	Smt. Rita Tayde	SKN	9284717552		pinaak.pihu@gmail.com
6	Smt. Vidya Nandanwar	SKN	7410764216		vidyanandanwar01@gmail.com
7	Smt. Rashmi Chourikar	SKN	9923682709		rashmichourikar1754@gmail.com
8	Smt. Pooja Madhan	SKN	9860127504		poojamadhan19@gmail.com
9	Smt. Manisha Rathkanthiwar	SKN	9822737056		ommanisha76@yahoo.in
10	Smt. Vijaya Patil	Ashti	9503310102		vij.nare73@gmail.com
11	Smt. Tabassum Ali	Ashti	8999649368		tabassumali318@gmail.com
12	Dr. Smt. Manisha Borikar	Ashti	9960043078		mwahale@gmail.com
13	Smt. Prachi Samarth	TMN	9403371887		sam.pra.2025@gmail.com
14	Smt. Kavita Dashasahastra	TMN	9325398918		d.kavita2005@gmail.com
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19	Ms Sneha Hampiholi	NTPC, Mouda	7448187006		snehahampiholi89@gmail.com
20	Shri. Ashish Gujarkar	Lloyds, Wardha	9518546373		ashishgujarkar84@gmail.com
21	Ms. Shivani Yadav	CHB	9518374869		shivanigyadav@gmail.com



Bhavan's B.P. Vidya Mandir, Nagpur

Art – Integrated Activity/Project/Subject Enrichment (2023-2024)

Assessment Criteria: * Neatness

* Regularity

* Completion of assignment

Duration of the Task: 1 week per chapter

Follow up / Feedback:

Teacher will guide the students during their assignments & provide guidance to complete their task on time.

Assessment Rubric:

Regularity – 2 Marks

Neatness – 1 Mark

Completion of task – 2 Marks

Subject Coordinator's: Name and Signature

CL :

ASHTI: Vijaya Patil

KORADI: Samreena Afroz

WARDHA: Ashish Gajarkar

(SMT. ANJU BHUTANI)

PRINCIPAL
BVM, CL

(SMT. PARWATI G. IYER)

PRINCIPAL
BVM, TRMN

SKN :

TMN :

CHB :

MOUDA :

(SMT. NIRUPAMA PADMARAJ)

PRINCIPAL
BVM, SKN

(MS. SARBANI BOSE)

PRINCIPAL
BVM, KORADI

(SMT. VANDANA BISEN)

PRINCIPAL
BVM, ASHTI

(SMT. RAJ SRIIVASAN)

PRINCIPAL
BVM, CHB



Subject: science (CHEMISTRY)

Class: VIII

Topic: Notebook

Sub-topic: For all the chapters

Nature of Task: Post Content

Task: Notebook submission

Skills Assessed: Neatness, Regularity, Assignment completion presentation

Learning Objectives: _____

* To assess the maintainence of subject notebook.

* To assess the presentation & drawing skills of the student.

Procedure: _____

* Questions and answers will be discussed and written in the classwork notebook.

* Extra questions will be discussed and written in the classwork notebook as an assignment.

* Diagrams will be drawn.

* Students will submit classwork notebook after completion of every chapter.



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Art – Integrated Activity/Project/Subject Enrichment (2023-2024)

Assessment Criteria: * Presentation

* Creativity

* Team work

* Content & its relation with the given topic

* Technical literacy

Duration of the Task: 1 Week.

Follow up / Feedback: Students will be guided by the teacher during their presentation.

Assessment Rubric:	Presentation	—	1 Mark
	Creativity	—	1 Mark
	Team Work	—	1 Mark
	Content	—	1 Mark
	Technical Literacy	—	1 Mark
			<u>5 MARKS</u>

Subject Coordinator's: Name and Signature

CL :

ASHTI: Vijaya Patil

KORADI: Samreena Afroz

WARDHA: Ashish Kulkarni

(SMT. ANJU BHUTANI)

PRINCIPAL
BVM, CL

P. G. Iyer

(SMT. PARWATI G. IYER)
PRINCIPAL
BVM, TRMN

SKN: Rashmi Chousikan

TMN: Kaite Dashasahastha Kaite

CHB: Shivani Yadav

MOUDA: Sneha Kambholi

(SMT. NIRUPAMA PADMARAJ)

PRINCIPAL
BVM, SKN

Bose

(MS. SARBANI BOSE)
PRINCIPAL
BVM, KORADI

(SMT. VANDANA BIEN)

PRINCIPAL
BVM, ASHTI

Raj V. Srinivasan

(SMT. RAJI SRINIVASAN)
PRINCIPAL
BVM, CHB



Subject: CHEMISTRY

Class: VIII

Topic: COMPARATIVE STUDY BETWEEN VEHICLES USING ELECTRICITY,

Sub-topic: POWER POINT PRESENTATION ON COMPARATIVE

RESEARCH WORK [GRAPHICAL REPRESENTATION]

Nature of Task: POST CONTENT

Task: GROUP TASK

Skills Assessed: PRESENTATION, CREATIVITY, TEAMWORK,
TECHNOLOGY LITERACY, AWARENESS

Learning Objectives:

- *To enhance awareness about conservation of petrol & diesel
- * To improve linguistic, presentation & creative skills of the students.
- * To promote team work.

Procedure: Students will be divided into various groups by the teacher. Students will do the research work on the given topic & it will be presented in the form of PPT. Graphical representation on the collected information will be displayed during presentation.

Students will submit their PPT & handout to the teacher after presentation.



Bhavan's B.P. Vidya Mandir, Nagpur

Art – Integrated Activity/Project/Subject Enrichment (2023-2024)

Assessment Criteria: * Creativity

* Presentation

* Content & its relativity with the given topic

Duration of the Task: 1 Week.

Follow up / Feedback: Teacher will provide guidance to the students during their presentation & help them in improving their various skills.

Assessment Rubric:

Presentation	01
Creativity	01
Content	02
Communication skill	01
	<u>05</u>

Subject Coordinator's: Name and Signature

CL :

ASHTI: Vijaya Patil

KORADI: Samreena Afroz

WARDHA: Ashish Gajankar

(SMT. ANJU BHUTANI)

PRINCIPAL
BVM, CL

Parvati G. Iyer

(SMT. PARWATI G. IYER)
PRINCIPAL
BVM, TRMN

(SMT. NIRUPAMA PADMARAJ)

PRINCIPAL
BVM, SKN

(MS. SARBANI BOSE)
PRINCIPAL
BVM, KORADI

SKN :

TMN: Kanika Dashasahastha

CHB: Shivani Yadav

MOUDA: Sneha Hampphole

(SMT. VANDANA BISEN)

PRINCIPAL
BVM, ASHTI

(SMT. RAJ S. SRINIVASAN)
PRINCIPAL
BVM, CHB

Subject: CHEMISTRYClass: VIIITopic: (PCRA) PETROLEUM CONSERVATION RESEARCH ASSOCIATION.Sub-topic: Jingles on PCRANature of Task: POST CONTENTTask: Individual TaskSkills Assessed: Creativity, communication skill, Presentation, Observation

Learning Objectives:

- * To enhance creative thinking
- * To sharpen communication skill
- * To improve awareness about conservation of natural resources

Procedure: Students will write jingles on the topic PCRA. They will present these jingles to spread awareness on conservation of petroleum products in the class.
Jingles can also be presented in the form of rap music.