

AES - AG HIGHER SECONDARY SCHOOL

NAVRANGPURA, AHMEDABAD – 380009

MONTHWISE PLANNING FOR THE YEAR 2024-2025

STD - 12 SCIENCE

SUBJECT – PHYSICS

Sr. No.	Month	Working Days	Curriculum Planning
1	June	17	1 – Electric Charge & Fields 2 – Electrostatic Potential and Capacitance
2	July	26	2 – Electrostatic Potential and Capacitance 3 – Current Electricity
3	August	23	4 – Moving Charges and Magnetism 5 – Magnetism and matter
4	September	23	6 – Electromagnetic Induction 7 – Alternating current
5	October	21	7 – Alternating current 8 – Electromagnetic waves Revision and First term exam
6	November	12	9 – Ray optics
7	December	25	10- Wave optics 11 – Dual nature of radiation and matter 12 – Atom
8	January	24	13- Nuclie 14- Semiconductor Electronics Revision
9	February	24	Prelim exam and Board Practical exam
10	March	23	Board exam

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MONTHWISE PLANNING FOR THE YEAR 2024-2025

STD - 12 SCIENCE

SUBJECT – PHYSICS PRACTICAL

Sr. No.	Month	Working Days	Curriculum Planning
1	June	17	1 – Ohm's law 2 – Meter bridge 3 – Meter bridge (Series and parallel)
2	July	26	4 – Potentiometer 5 – Potentiometer (internal resistance) 6 – Galvanometer
3	August	23	7 – Galvanometer(conversion) 8 – Sonometer 9 – Concave mirror
4	September	23	10 – Convex lens 11 – Convex mirror using convex lens 12 – Concave lens with convex lens
5	October	21	13 – Prism 14 – Travelling microscope
6	November	12	15 – Refractive index of liquid
7	December	25	16 – p-n junction diode
8	January	24	Revision
9	February	24	Prelim exam and Board Practical exam
10	March	23	Board exam

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MONTHWISE PLANNING FOR THE YEAR 2024-2025

STD - 12 SCIENCE

SUBJECT – CHEMISTRY

Sr. No.	Month	Working Days	Curriculum Planning
1	June	17	Chapter 1 – Solutions Chapter 2 – Electrochemistry
2	July	26	Chapter 2 – Electrochemistry Chapter 3 – Chemical kinetics
3	August	23	Chapter 3 – Chemical kinetics Chapter 6 – Haloalkanes and haloarenes compounds
4	September	23	Chapter 7 – Alcohol, Phenol and ether compounds Chapter 8 – Aldehyde, ketones and carboxylic acid compounds
5	October	21	Chapter 8 – Aldehyde, ketones and carboxylic acid compounds Revision and First term exam
6	November	12	Chapter 9 – Amine compounds
7	December	25	Chapter 4 – d & f block elements Chapter 5 – co-ordinate compounds
8	January	24	Chapter 5 – co-ordinate compounds Chapter 10 - biomolecules Revision
9	February	24	Prelim exam and Board Practical exam
10	March	23	Board exam

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SUBJECT – CHEMISTRY PRACTICAL

Sr. No.	Month	Working Days	Curriculum Planning
1	June	17	6 – Titrimetric analysis (Redox reactions)
2	July	26	7 – Systematic Qualitative Analysis
3	August	23	
4	September	23	8 – Tests for functional groups in organic compounds
5	October	21	
6	November	12	11 – Test for carbohydrates fats and proteins
7	December	25	
8	January	24	Revision
9	February	24	Prelim exam and Board Practical exam
10	March	23	Board exam

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STD - 12 SCIENCE

SUBJECT – BIOLOGY

Sr. No.	Month	Working Days	Curriculum Planning
1	June	17	1 – Reproduction in organisms 2 – Sexual reproduction in flowering plants
2	July	26	3 – Human reproduction 4 – Reproductive health 5 – Principles of inheritance and variation
3	August	23	5 – Principles of inheritance and variation 6 – Molecular basis of inheritance
4	September	23	7 – Evolution 8 – Human health and disease 9 – Strategies for enhancement in food production
5	October	21	10 – Microbes in human welfare 11 – Biotechnology : principles and processes 12 – Biotechnology and its applications Revision and First term exam
6	November	12	12 – Biotechnology and its application 13 – Organisms and populations
7	December	25	14 – Ecosystem 15 – Biodiversity and conservation 16 – Environmental issues
8	January	24	Revision
9	February	24	Prelim exam and Board Practical exam
10	March	23	Board exam

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MONTHWISE PLANNING FOR THE YEAR 2024-2025

STD - 12 SCIENCE

SUBJECT – BIOLOGY PRACTICAL

Sr. No.	Month	Working Days	Curriculum Planning
1	June	17	1 – Reproductive parts of flower 2 – Pollen germination 3 – Pollen tube growth 4 – Gametogenesis in testis and ovary
2	July	26	5 – Gametophyte in ovary of flower 6 – Mitosis in onion root tip 13 – Acetocarmine stain 7 – Meiosis- permanent slides 8 – Blastula stage
3	August	23	9 – Mendel’s law of segregation 10 – Mendel’s law of independent assortment 11 – Pedigree chart 12 – Controlled pollination
4	September	23	14 – Disease causing organisms 15 – Texture of soil 25 – Homologous and analogous organs
5	October	21	16 – Water holding capacity of soil 19 – pH of water and soil 20 – Turbidity of water
6	November	12	17, 18. – Ecological adaptation
7	December	25	21. – Living organisms in water 22 – SPM in air 23, 24 – Quadrat method
8	January	24	Revision
9	February	24	Prelim exam and Board Practical exam
10	March	23	Board exam

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MONTHWISE PLANNING FOR THE YEAR 2024-2025

STD - 12 SCIENCE

SUBJECT – MATHS

Sr. No.	Month	Working Days	Curriculum Planning
1	June	17	1 – Relation and function
2	July	26	2 – Inverse trigonometric function 3 – Matrix
3	August	23	4 – Determinant 5 – Continuity and differentiation
4	September	23	6 – Application of derivatives 7 – Integration
5	October	21	7 – Integration
			8 – Application of integration
			Revision and first term exam
6	November	12	9 – Differential equation
7	December	25	10 – Vector algebra 11 – Three dimension geometry
8	January	24	12 – Linear programming 13 – Probability
			Revision
9	February	24	Prelim exam and Board Practical exam
10	March	23	Board exam

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MONTHWISE PLANNING FOR THE YEAR 2024-2025

STD - 12 SCIENCE

SUBJECT – ENGLISH

Sr. No.	Month	Working Days	Curriculum Planning
1	June	17	L.1 – The last lesson P.1 – My Mother at Sixty Six S.R.1 – The Third Level
2	July	26	L.2 – Lost Spring S.R.2 – The Tiger King
3	August	23	L.3 – Deep Water P.3 – Keeping Quiet S.R.3 – Journey to the End of the Earth
4	September	23	L.4 – The Rattrap L.5 – Indigo S.R.4 – The Enemy
5	October	21	P.4 – A Thing of beauty P.5 – A roadside stand Revision and first term exam
6	November	12	L.6 – Poets and Pancakes
7	December	25	L.7 – The Interview P.6 – Aunt Jennifer’s Tigers S.R.6 – On the face of it
8	January	24	L.8 – Going Places S.R.8 – Memories of Childhood Revision
9	February	24	Prelim exam and Board Practical exam
10	March	23	Board exam

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MONTHWISE PLANNING FOR THE YEAR 2024-2025

STD - 12 SCIENCE

SUBJECT – COMPUTER

Sr. No.	Month	Working Days	Curriculum Planning
1	June	17	13 – Other useful free tools and services 4 – Introduction to E-commerce 5 – Introduction to M-Commerce
2	July	26	1 – Creating HTML forms using KompoZer 2 – Cascading Style Sheets and JavaScript
3	August	23	3 – Designing simple website using KompoZer 6 – Object -Oriented concepts
4	September	23	7 – Java Basics 8 – Classes and objects in Java
5	October	21	8 – Classes and objects in Java 9 – Working with Array and String First Term Exam
6	November	12	9 – Working with Array and String
7	December	25	10 – Exception handling in Java 11 – File Handling 12 – Publishing documents using LaTeX
8	January	24	Revision
9	February	24	Prelim exam and Board Practical exam
10	March	23	Board exam