Class 12 Biology Academic Planner (Completion

1. Chapter-wise Breakdown (according to NCERT)		
Month	**Dates**	**Chapter/Topic**
Apr-25	1st - 30th April	**Chapter 1: Reproduction in Organisms**
		Chapter 2: Sexual Reproduction in Flowering Plants
May-25	1st - 31st May	**Chapter 3: Human Reproduction**
		Chapter 4: Reproductive Health
Jun-25	1st - 30th June	**Chapter 5: Principles of Inheritance and Variation**
		Chapter 6: Molecular Basis of Inheritance
Jul-25	1st - 31st July	**Chapter 7: Evolution**
		Chapter 8: Human Health and Disease
Aug-25	1st - 31st August	**Chapter 9: Strategies for Enhancement in Food Production**
		Chapter 10: Microbes in Human Welfare
Sep-25	1st - 30th September	**Chapter 11: Biotechnology: Principles and Processes**
		Chapter 12: Biotechnology and Its Applications

Oct-25	1st - 31st October	**Chapter 13: Organisms and Populations**
		Chapter 14: Ecosystem
		Chapter 15: Biodiversity and Conservation
		Revision of all chapters

Class 12 Biology Revision Planner (1st Novemb

Month	**Dates**	**Chapter/Topic**
Nov-25	1st - 15th November	**Chapter 1: Reproduction in Organisms**
		Chapter 2: Sexual Reproduction in Flowering Plants
Nov-25	16th - 30th November	**Chapter 3: Human Reproduction**
		Chapter 4: Reproductive Health
Dec-25	1st - 15th December	**Chapter 5: Principles of Inheritance and Variation**
		Chapter 6: Molecular Basis of Inheritance
Dec-25	16th - 31st December	**Chapter 7: Evolution**
		Chapter 8: Human Health and Disease
Jan-26	1st - 15th January	**Chapter 9: Strategies for Enhancement in Food Production**
		Chapter 10: Microbes in Human Welfare

Jan-26	16th - 31st January	**Chapter 11: Biotechnology: Principles and Processes**
Feb-26	1st - 5th February	**Chapter 12: Biotechnology and Its Applications**
		Chapter 13: Organisms and Populations
Feb-26	6th - 10th February	**Chapter 14: Ecosystem**
		Chapter 15: Biodiversity and Conservation
Feb-26	11th - 15th February	**Mock Tests and Practice Papers**

Key Points for Revision (1st November 2025 to 1

1. Focus on Conceptual Clarity: Ensure you understand the c
For example, focus on photosynthesis, DNA replication, and

2. Diagrams and Labeling: Focus on the important diagrams
flower, male/female reproductive systems, and energy flow

3. Revision of Terms and Definitions: Biological terminology
terms such as "genotype," "phenotype," "gene pool," etc.

4. Solve Previous Year's Question Papers: Solve previous ye
pattern and important questions.

5. Mock Tests: Regularly take mock tests to build exam-takin
identify weak areas.

6. Application-based Questions: Focus on application-based
Biotechnology, Ecosystem, and Evolution.

7. Focus on NCERT Text: Stick to NCERT material, as most of
on it.

8. Group Discussions: Discuss tough concepts with peers or t
Biotechnology and Genetics.

by 31st October 2025)

Key Concepts
Asexual reproduction, Sexual reproduction, Life cycles
Structure of flowers, Pollination, Fertilization, Seed formation
Male and female reproductive systems, Gametogenesis, Pregnancy
Family planning, Birth control methods, Medical termination of pregnancy
Mendelian inheritance, Genetic disorders, Chromosomal theory
DNA structure, Replication, Transcription, Translation
Theories of evolution, Natural selection, Speciation
Health, Immunity, Pathogens, Diseases like AIDS, Cancer, TB
Crop improvement, Animal husbandry, Biotechnology in agriculture
Microbes in industries, Bioremediation, Microbial culture
Biotechnology methods, Genetic engineering, Cloning
Applications of biotechnology in medicine, agriculture, environment

Population growth, Ecological interactions, Biodiversity
Ecosystem structure, Energy flow, Ecological pyramids
Biodiversity loss, Conservation strategies, Endangered species
Revision of key concepts, Diagrams, Definitions, Important facts

ber 2025 to 15th February 2026)

Key Focus
Review types of reproduction, Life cycles, Key definitions
Pollination, Fertilization, Diagrams of flower structures
Male and female reproductive systems, Menstrual cycle, Pregnancy
Contraceptive methods, Medical termination of pregnancy
Mendelian inheritance, Genetic disorders, Test cross
DNA structure, Transcription and translation, Mutations
Natural selection, Hardy-Weinberg equilibrium, Fossil record
Immune response, Diseases and their prevention
Plant breeding, Animal husbandry, GMOs
Applications of microbes, Bioremediation, Biotechnology

Genetic engineering, Cloning, Restriction enzymes
Gene therapy, Biotechnological applications in medicine
Population growth, Ecological interactions, Adaptation
Energy flow, Biogeochemical cycles, Ecosystem dynamics
Biodiversity, Conservation efforts, IUCN Red List
Full-length mock tests, Exam strategy, Time management

5th February 2026)

concepts, processes, and cycles in detail.
the Hardy-Weinberg principle.

in each chapter, such as the structure of a
in ecosystems.

is critical. Make sure to review important

ars' papers to understand the exam

ıg strategies, time management, and

questions, especially in chapters like

the exam questions will be directly based

teachers to get better clarity on topics like

Class 12 Chemistry Academic Planner (Completion

1. Chapter-wise Breakdown (according to NCERT)		
Month	**Dates**	**Chapter/Topic**
Apr-25	1st - 30th April	**Chapter 1: Solid State**
		Chapter 2: Solutions
May-25	1st - 31st May	**Chapter 3: Electrochemistry**
		Chapter 4: Chemical Kinetics
Jun-25	1st - 30th June	**Chapter 5: Surface Chemistry**
		Chapter 6: General Principles and Processes of Isolation of Elements
Jul-25	1st - 31st July	**Chapter 7: p-Block Elements**
		Chapter 8: d- and f-Block Elements
Aug-25	1st - 31st August	**Chapter 9: Coordination Compounds**
		Chapter 10: Haloalkanes and Haloarenes
Sep-25	1st - 30th September	**Chapter 11: Alcohols, Phenols, and Ethers**
		Chapter 12: Aldehydes, Ketones and Carboxylic Acids
Oct-25	1st - 31st October	**Chapter 13: Organic Compounds Containing Nitrogen**
		Chapter 14: Biomolecules
		Chapter 15: Polymers

		Chapter 16: Chemistry in Everyday Life
		Revision

Class 12 Chemistry Revision Planner (1st Novembe

Month	**Dates**	**Chapter/Topic**
Nov-25	1st - 15th November	**Chapter 1: Solid State**
		Chapter 2: Solutions
Nov-25	16th - 30th November	**Chapter 3: Electrochemistry**
		Chapter 4: Chemical Kinetics
Dec-25	1st - 15th December	**Chapter 5: Surface Chemistry**
		Chapter 6: General Principles and Processes of Isolation of Elements
Dec-25	16th - 31st December	**Chapter 7: p-Block Elements**
Jan-26	1st - 15th January	**Chapter 8: d- and f-Block Elements**
		Chapter 9: Coordination Compounds
Jan-26	16th - 31st January	**Chapter 10: Haloalkanes and Haloarenes**
Feb-26	1st - 5th February	**Chapter 11: Alcohols, Phenols, and Ethers**
		Chapter 12: Aldehydes, Ketones and Carboxylic Acids
Feb-26	6th - 10th February	**Chapter 13: Organic Compounds Containing Nitrogen**
Feb-26	11th - 15th February	**Chapter 14: Biomolecules**

		Chapter 15: Polymers and Chapter 16: Chemistry in Everyday Life
		Mock Tests & Practice Papers

Key Points for Revision (1st November 2025 to 15t

1. Conceptual Understanding: Focus on understanding the cor structure of solids, chemical bonding, chemical kinetics, etc. Dc their mechanisms and applications.

2. Important Reactions and Mechanisms: Revise all important substitution, electrophilic addition) and their mechanisms. Ma conditions and products.

3. Equations & Derivations: Revise key equations for topics lik surface chemistry. Practice derivations like Nernst equation, A equilibrium.

4. Properties of Compounds: Focus on the properties, reaction compounds, especially from chapters on p-block, d- and f-bloc acids.

5. Laboratory Techniques: Revise important laboratory techni recrystallization, and preparation of standard solutions.

6. Mock Tests: Regularly take mock tests to simulate exam con identify weaker areas that need more focus.

7. Focus on Weak Areas: Identify areas where you are weak ar Practice numerical problems regularly, especially in chapters li kinetics.

ı by 31st October 2025)

Key Concepts
Types of solids, Packing in solids, Defects in solids, Electrical and magnetic properties
Types of solutions, Colligative properties, Raoult's Law, Osmotic Pressure
Redox reactions, Electrochemical cells, Nernst Equation, Batteries
Rate of reactions, Arrhenius equation, Activation energy
Adsorption, Catalysis, Colloids, Emulsions
Extraction methods, Principles of metallurgy, Types of ores
Group 15 to 18 elements, Properties, and reactions of p-block elements
Transition elements, Lanthanides, Actinides, Coordination compounds
Ligands, Coordination number, Isomerism, Bonding in coordination compounds
Nucleophilic substitution, Reactions of haloalkanes and haloarenes
Preparation, Properties, and uses of Alcohols, Phenols, and Ethers
Nucleophilic addition, Oxidation reactions, Carboxyl group reactions
Amines, Cyanides, Isocyanides, Reactions of Nitrogen compounds
Carbohydrates, Proteins, Enzymes, Nucleic acids
Types of polymers, Polymerization, Biodegradable polymers

Chemistry in food, detergents, medicines, polymers, and environmental issues
Focus on key concepts, Important reactions, Applications

er 2025 to 15th February 2026)

Key Focus
Types of solids, Defects, Electrical properties
Colligative properties, Raoult's Law, Osmotic Pressure
Nernst equation, Redox reactions, Electrochemical cells
Rate laws, Arrhenius equation, Activation energy
Adsorption, Colloids, Catalysis
Metallurgy processes, Extraction of metals, Types of ores
Properties of p-block elements, Chemical reactions
Transition elements, Lanthanides, Actinides
Ligands, Isomerism, Coordination compounds
Nucleophilic substitution, Elimination reactions
Reactions of Alcohols, Phenols, Ethers
Reactions of Aldehydes, Ketones, and Carboxylic acids
Amines, Cyanides, Reactions of Nitrogen compounds
Carbohydrates, Proteins, Enzymes, Nucleic acids

Polymers, Applications in daily life, Environmental issues
Full-length mock tests, Time management, Key problem-solving strategies

th February 2026)

e principles behind each chapter, such as the
on't just memorize reactions but understand

organic reactions (such as nucleophilic
ke a list of key reactions and learn their

e electrochemistry, chemical kinetics, and
rrhenius equation, and derivations related to

ıs, and uses of organic and inorganic
k elements, alcohols, phenols, and carboxylic

ques and methods like fractional distillation,

ıditions, improve time management, and

ıd dedicate extra time to those topics.
ke solutions, electrochemistry, and chemical

Class 12 Mathematics Academic Planner (Comple

1. Chapter-wise Breakdown (according to NCERT)

Month	Dates	Chapter/Topic
Apr-25	1st - 30th April	**Chapter 1: Relations and Functions**
		Chapter 2: Inverse Trigonometric Functions
May-25	1st - 31st May	**Chapter 3: Matrices**
		Chapter 4: Determinants
Jun-25	1st - 30th June	**Chapter 5: Continuity and Differentiability**
		Chapter 6: Application of Derivatives
Jul-25	1st - 31st July	**Chapter 7: Integrals**
		Chapter 8: Application of Integrals
Aug-25	1st - 31st August	**Chapter 9: Differential Equations**
		Chapter 10: Vector Algebra
Sep-25	1st - 30th September	**Chapter 11: Three Dimensional Geometry**
		Chapter 12: Linear Programming
Oct-25	1st - 31st October	**Chapter 13: Probability**

		Revision of all chapters

Class 12 Mathematics Revision Planner (1st Nove

Month	**Dates**	**Chapter/Topic**
Nov-25	1st - 15th November	**Chapter 1: Relations and Functions**
		Chapter 2: Inverse Trigonometric Functions
Nov-25	16th - 30th November	**Chapter 3: Matrices**
		Chapter 4: Determinants
Dec-25	1st - 15th December	**Chapter 5: Continuity and Differentiability**
		Chapter 6: Application of Derivatives
Dec-25	16th - 31st December	**Chapter 7: Integrals**
Jan-26	1st - 15th January	**Chapter 8: Application of Integrals**
		Chapter 9: Differential Equations
Jan-26	16th - 31st January	**Chapter 10: Vector Algebra**
Feb-26	1st - 5th February	**Chapter 11: Three Dimensional Geometry**
		Chapter 12: Linear Programming

Feb-26	6th - 10th February	**Chapter 13: Probability**
Feb-26	11th - 15th February	**Mock Tests and Practice Papers**

Key Points for Revision (1st November 2025 to 15

1. Conceptual Understanding: Focus on understanding the un
such as functions, matrices, and integrals, rather than just mer

2. Formula Sheet: Prepare a formula sheet with all key form
for practice and daily revision.

3. Solve Previous Years' Papers: Solve as many previous yea
will help you familiarize yourself with the exam pattern, imp
management during the exam.

4. Practice Numerical Problems: For chapters like Probabilit
Differential Equations, practice numerical problems regularl

5. Understand Application of Concepts: Apply concepts in r
Application of Derivatives, Integrals, and Vector Algebra.

6. Mock Tests: Regularly take mock tests to gauge your prep
and analyze weaker areas.

7. Identify Weak Areas: Identify topics you find difficult and sp

8. Group Study and Discussion: Consider studying in a group
and improve understanding.

tion by 31st October 2025)

Key Concepts
Types of relations, Functions, Inverse functions, Composition of functions
Inverse trigonometric functions, Graphs, Principal values
Types of matrices, Matrix operations, Determinants, Inverse of matrices
Properties of determinants, Applications, Cramer's Rule
Continuity, Differentiability, Derivatives, Chain rule, Implicit differentiation
Tangents and normals, Rate of change, Maximum and minimum values
Integration techniques, Substitution method, Integration by parts, Definite integrals
Area under curves, Definite integrals as areas
Formation, Order, Degree of differential equations, Solutions of differential equations
Vectors, Scalar product, Vector product, Angle between vectors
Direction ratios, Direction cosines, Equation of a plane, Line and plane intersection
Linear programming problems, Graphical method, Feasible region
Conditional probability, Bayes' Theorem, Random variables, Probability distributions

Revision of key concepts, Important formulas, and applications

mber 2025 to 15th February 2026)

Key Focus
Key types of relations, Inverse functions, Composition
Derivatives of inverse trigonometric functions, Range and domain
Matrix operations, Inverse matrices, Determinants, Cramer's Rule
Properties of determinants, Solving systems of linear equations
Continuity, Differentiability, Chain rule, Implicit differentiation
Tangents, Normal, Rate of change, Maxima and minima problems
Methods of integration, Definite integrals, Substitution method
Area under curves, Definite integrals for geometric areas
Methods of solving first-order differential equations, Application of differential equations
Scalar product, Vector product, Applications of vectors in geometry
Distance between points, Plane and line equations, Angle between lines and planes
Graphical method, Feasible region, Optimization problems

Conditional probability, Bayes' theorem, Random variables
Full-length mock tests, Time management, Problem-solving practice

ıth February 2026)

derlying concepts behind each topic,
ıorizing formulas.

ulas for quick revision. Keep it handy

rs' question papers as possible. This
ortant questions, and time

y, Determinants, Matrices, and
y.

eal-world problems, especially for

ıaration, improve time management,

ɔend extra time on them. For example,

ɔ for difficult topics to clarify doubts

Class 12 Physics Academic Planner (Completion by 3

1. Chapter-wise Breakdown (according to NCERT)

Month	Dates	Chapter/Topic
Apr-25	1st - 30th April	**Chapter 1: Electric Charges and Fields**
		Chapter 2: Electrostatic Potential and Capacitance
May-25	1st - 31st May	**Chapter 3: Current Electricity**
		Chapter 4: Moving Charges and Magnetism
Jun-25	1st - 30th June	**Chapter 5: Magnetism and Matter**
		Chapter 6: Electromagnetic Induction
Jul-25	1st - 31st July	**Chapter 7: Alternating Current**
		Chapter 8: Electromagnetic Waves
Aug-25	1st - 31st August	**Chapter 9: Ray Optics and Optical Instruments**
		Chapter 10: Wave Optics
Sep-25	1st - 30th September	**Chapter 11: Dual Nature of Matter and Radiation**
		Chapter 12: Atoms

Oct-25	1st - 31st October	**Chapter 13: Nuclei**
		Chapter 14: Semiconductor Electronics
		Revision

Class 12 Physics Revision Planner (1st November 20

Month	Dates	Chapter/Topic
Nov-25	1st - 15th November	**Chapter 1: Electric Charges and Fields**
		Chapter 2: Electrostatic Potential and Capacitance
Nov-25	16th - 30th November	**Chapter 3: Current Electricity**
		Chapter 4: Moving Charges and Magnetism
Dec-25	1st - 15th December	**Chapter 5: Magnetism and Matter**
		Chapter 6: Electromagnetic Induction
Dec-25	16th - 31st December	**Chapter 7: Alternating Current**
Jan-26	1st - 15th January	**Chapter 8: Electromagnetic Waves**
		Chapter 9: Ray Optics and Optical Instruments
Jan-26	16th - 31st January	**Chapter 10: Wave Optics**
Feb-26	1st - 5th February	**Chapter 11: Dual Nature of Matter and Radiation**
		Chapter 12: Atoms
Feb-26	6th - 10th February	**Chapter 13: Nuclei**

Feb-26	11th - 15th February	**Chapter 14: Semiconductor Electronics**
		Mock Tests & Practice Papers

Key Points for Revision (1st November 2025 tc

1. Conceptual Understanding: Focus on deep understanding of fu fields, capacitors, magnetism, and wave optics. Don't just memoriz application in real-world problems.

2. Formulas and Derivations: Revise and practice important deriva lenses, magnetic fields, and other key topics.

3. Problem-Solving Practice: Physics involves a lot of practice. Reg different topics and previous years' question papers.

4. Laboratory Experiments: Revise important experimental setups Understand the theoretical background for each experiment.

5. Units and Dimensions: Ensure proper understanding of physical units, as they form the basis for many calculations.

6. Mock Tests: Take full-length mock tests regularly to build exam management, and reduce exam anxiety.

7. Focus on Weak Areas: Identify areas that you find difficult, such problems, and dedicate extra time to them.

1st October 2025)

Key Concepts
Coulomb's Law, Electric Field, Electric Flux, Gauss's Law
Potential Energy, Capacitors, Dielectrics, Energy stored in capacitors
Ohm's Law, Resistivity, Series & Parallel Circuits, Kirchhoff’s Laws
Magnetic Field, Lorentz Force, Ampere's Law, Biot-Savart Law
Earth's Magnetic Field, Magnetic Properties of Materials
Faraday’s Law, Lenz’s Law, Self & Mutual Induction
AC Circuits, Impedance, Resonance, Power in AC Circuits
Propagation, Properties, Spectrum of Electromagnetic Waves
Reflection, Refraction, Lenses, Mirrors, Optical Instruments
Interference, Diffraction, Polarization, Young’s Double Slit Experiment
Photoelectric Effect, de Broglie Waves, Wave-Particle Duality
Bohr’s Model of Atom, Energy Levels, Hydrogen Spectrum

Nuclear Models, Radioactive Decay, Nuclear Fission and Fusion
Semiconductors, Diodes, Transistors, Logic Gates
Focus on key formulas, concepts, and problem-solving strategies

)25 to 15th February 2026)

Key Focus
Coulomb’s Law, Electric Field, Gauss's Law
Energy stored in capacitors, Capacitance formulae
Ohm's Law, Kirchhoff’s Laws, Series/Parallel circuits
Magnetic Field, Ampere's Law, Biot-Savart Law
Earth's Magnetic Field, Magnetic Susceptibility, Hysteresis
Faraday’s Law, Self & Mutual Induction, Induced EMF
AC Circuits, Impedance, Power in AC, Resonance in LC Circuit
Properties of EM Waves, Spectrum, Maxwell's Equations
Refraction, Lenses, Mirrors, Optical Instruments
Interference, Diffraction, Polarization, Young’s Double Slit Experiment
Photoelectric Effect, de Broglie Waves, Quantum Theory
Bohr's Model, Atomic Spectra, Hydrogen Spectrum
Nuclear Models, Radioactive Decay, Nuclear Reactions

Diodes, Transistors, Logic Gates, Applications of Semiconductors
Full-length mock tests, Time management, Key problem-solving strategies

› 15th February 2026)

ndamental principles like electric
ze formulas but understand their

ations for electromagnetic waves,

ularly solve problems from

and their underlying principles.

l quantities, their dimensions, and SI

stamina, improve time

ı as certain concepts or numerical